

**Climate Data Assessment, Zuni Pueblo
Appendix A**

Appendix A

Albuquerque, NM NOAA Weather Station (290234) Average of Maximum Temperature

| Year | Values in Degrees F | | | | | | | | | | | | Annual |
|----------------|---------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | |
| 1948 | 45.5 | 49.3 | 53.6 | 73.9 | 80.8 | 87.9 | 93.4 | 91.6 | 85.1 | 70.6 | 53.3 | 49.3 | 69.5 |
| 1949 | 39.5 | 49.7 | 61.8 | 69.2 | 78.2 | 88.2 | 90.6 | 90.1 | 84.8 | 69.8 | 65.9 | 46.2 | 69.5 |
| 1950 | 50.6 | 58.0 | 62.5 | 73.8 | 80.8 | 91.1 | 89.4 | 90.3 | 80.5 | 80.7 | 62.5 | 55.7 | 73.0 |
| 1951 | 48.5 | 52.5 | 59.4 | 68.9 | 80.6 | 89.6 | 96.2 | 88.8 | 86.8 | 72.3 | 55.3 | 47.4 | 70.5 |
| 1952 | 50.5 | 51.4 | 54.7 | 69.5 | 79.6 | 91.6 | 92.1 | 92.4 | 84.6 | 77.2 | 51.7 | 44.0 | 69.9 |
| 1953 | 54.3 | 51.3 | 61.5 | 69.6 | 75.9 | 93.1 | 93.4 | 91.2 | 88.2 | 72.6 | 58.4 | 42.9 | 71.0 |
| 1954 | 50.3 | 61.4 | 58.9 | 76.8 | 81.0 | 91.1 | 94.7 | 89.9 | 85.6 | 74.3 | 62.1 | 47.6 | 72.8 |
| 1955 | 44.2 | 47.2 | 61.0 | 69.5 | 76.9 | 88.5 | 89.8 | 89.2 | 86.7 | 75.1 | 58.2 | 51.7 | 69.8 |
| 1956 | 52.5 | 48.2 | 64.3 | 69.7 | 85.2 | 93.7 | 91.9 | 90.0 | 89.1 | 74.2 | 55.1 | 49.5 | 72.0 |
| 1957 | 49.4 | 59.1 | 58.9 | 68.0 | 74.6 | 89.8 | 92.7 | 88.0 | 84.9 | 67.0 | 49.8 | 50.0 | 69.3 |
| 1958 | 46.1 | 55.3 | 53.4 | 65.4 | 83.3 | 93.0 | 93.1 | 92.4 | 80.6 | 68.6 | 58.6 | 54.6 | 70.4 |
| 1959 | 45.4 | 51.2 | 59.6 | 70.4 | 78.8 | 90.9 | 92.5 | 88.3 | 84.8 | 69.4 | 56.5 | 47.8 | 69.6 |
| 1960 | 43.9 | 47.6 | 63.4 | 72.7 | 78.2 | 90.8 | 91.4 | 92.1 | 84.7 | 68.1 | 59.2 | 42.9 | 69.6 |
| 1961 | 46.4 | 53.3 | 59.7 | 69.7 | 81.6 | 91.0 | 90.2 | 87.2 | 79.0 | 71.5 | 49.4 | 44.1 | 68.6 |
| 1962 | 42.9 | 55.8 | 55.8 | 73.8 | 81.3 | 88.7 | 89.8 | 92.7 | 81.9 | 71.0 | 58.4 | 48.3 | 70.0 |
| 1963 | 42.1 | 53.6 | 59.3 | 72.8 | 84.2 | 90.3 | 95.2 | 87.9 | 85.0 | 75.4 | 58.0 | 47.6 | 71.0 |
| 1964 | 43.1 | 40.0 | 56.0 | 65.8 | 81.3 | 89.7 | 91.8 | 90.0 | 81.3 | 73.6 | 55.7 | 45.6 | 67.8 |
| 1965 | 50.4 | 52.1 | 57.7 | 70.0 | 77.5 | 85.0 | 91.6 | 88.6 | 79.6 | 73.3 | 61.2 | 46.2 | 69.4 |
| 1966 | 41.6 | 45.4 | 61.5 | 70.2 | 83.3 | 88.7 | 93.7 | 89.3 | 81.9 | 71.3 | 60.3 | 47.0 | 69.5 |
| 1967 | 48.1 | 54.7 | 67.3 | 72.7 | 79.3 | 85.7 | 92.2 | 86.7 | 81.1 | 73.4 | 59.7 | 41.9 | 70.2 |
| 1968 | 49.0 | 55.0 | 59.7 | 67.6 | 77.7 | 91.5 | 89.1 | 84.7 | 82.8 | 73.7 | 54.2 | 42.2 | 68.9 |
| 1969 | 51.0 | 52.1 | 54.9 | 72.1 | 80.6 | 89.3 | 93.8 | 92.5 | 83.4 | 66.2 | 54.3 | 51.7 | 70.2 |
| 1970 | 48.4 | 56.0 | 57.6 | 68.8 | 82.2 | 87.7 | 93.3 | 90.8 | 81.2 | 66.7 | 58.3 | 49.6 | 70.0 |
| 1971 | 48.2 | 53.0 | 64.2 | 69.0 | 77.9 | 90.5 | 92.6 | 87.3 | 80.5 | 67.1 | 57.6 | 41.7 | 69.1 |
| 1972 | 51.2 | 58.7 | 71.1 | 75.2 | 81.2 | 90.3 | 93.1 | 86.4 | 80.6 | 68.3 | 50.9 | 47.3 | 71.2 |
| 1973 | 42.1 | 46.3 | 58.0 | 64.9 | 77.3 | 89.0 | 91.8 | 92.2 | 82.1 | 72.2 | 60.0 | 48.7 | 68.7 |
| 1974 | 45.6 | 53.7 | 69.5 | 73.3 | 85.4 | 96.3 | 90.9 | 85.5 | 78.4 | 68.6 | 58.0 | 43.7 | 70.7 |
| 1975 | 42.9 | 51.2 | 58.8 | 65.8 | 76.8 | 89.8 | 90.3 | 90.4 | 78.9 | 73.1 | 58.7 | 49.1 | 68.8 |
| 1976 | 47.5 | 58.8 | 59.8 | 70.7 | 77.9 | 89.2 | 90.2 | 88.4 | 80.6 | 67.3 | 55.8 | 47.6 | 69.5 |
| 1977 | 41.6 | 55.1 | 57.9 | 70.5 | 79.1 | 91.4 | 91.9 | 89.8 | 82.4 | 73.8 | 61.0 | 53.5 | 70.7 |
| 1978 | 46.4 | 51.6 | 65.4 | 75.0 | 76.6 | 91.9 | 96.8 | 89.9 | 83.2 | 75.3 | 59.3 | 46.0 | 71.4 |
| 1979 | 43.2 | 55.2 | 64.2 | 73.5 | 78.5 | 89.1 | 96.1 | 90.9 | 87.3 | 78.1 | 53.8 | 52.4 | 71.9 |
| 1980 | 51.5 | 58.1 | 60.9 | 68.9 | 78.2 | 96.3 | 99.1 | 91.5 | 84.1 | 70.3 | 59.0 | 54.9 | 72.7 |
| 1981 | 52.9 | 59.7 | 60.4 | 75.6 | 79.5 | 93.7 | 94.3 | 90.1 | 83.4 | 68.9 | 62.2 | 54.4 | 72.9 |
| 1982 | 49.0 | 52.5 | 62.0 | 71.5 | 79.3 | 91.2 | 93.9 | 90.9 | 82.2 | 69.7 | 54.8 | 45.1 | 70.2 |
| 1983 | 46.7 | 52.0 | 60.5 | 65.8 | 79.3 | 89.6 | 94.9 | 92.4 | 87.2 | 70.5 | 56.8 | 47.8 | 70.3 |
| 1984 | 46.2 | 54.9 | 62.0 | 68.2 | 85.7 | 88.3 | 92.4 | 87.6 | 81.9 | 61.6 | 55.3 | 44.6 | 69.1 |
| 1985 | 43.1 | 50.1 | 59.6 | 72.0 | 77.6 | 88.8 | 90.5 | 90.1 | 78.7 | 69.5 | 57.4 | 50.6 | 69.0 |
| 1986 | 54.6 | 54.8 | 64.7 | 70.3 | 77.8 | 85.9 | 87.9 | 88.8 | 79.6 | 66.5 | 52.8 | 46.0 | 69.2 |
| 1987 | 43.8 | 50.3 | 57.5 | 69.1 | 75.4 | 88.0 | 92.6 | 87.8 | 82.4 | 75.4 | 57.6 | 46.5 | 68.9 |
| 1988 | 46.1 | 57.3 | 61.7 | 69.3 | 78.6 | 88.2 | 91.5 | 86.1 | 79.4 | 75.6 | 58.9 | 46.6 | 69.9 |
| 1989 | 47.9 | 54.9 | 68.8 | 77.8 | 85.1 | 90.5 | 92.1 | 86.8 | 82.8 | 69.5 | 60.2 | 47.7 | 72.0 |
| 1990 | 47.2 | 50.9 | 61.6 | 70.6 | 77.8 | 94.7 | 89.7 | 86.4 | 82.7 | 73.0 | 57.9 | 43.9 | 69.7 |
| 1991 | 46.0 | 58.7 | 59.9 | 71.8 | 81.7 | 88.4 | 89.9 | 88.0 | 80.5 | 74.6 | 54.9 | 47.0 | 70.1 |
| 1992 | 42.8 | 54.2 | 62.3 | 75.4 | 77.3 | 87.8 | 90.5 | 88.6 | 85.0 | 75.2 | 51.2 | 42.2 | 69.4 |
| 1993 | 50.0 | 53.9 | 63.4 | 72.5 | 80.9 | 91.0 | 94.8 | 88.5 | 83.6 | 70.1 | 56.4 | 50.2 | 71.3 |
| 1994 | 52.1 | 53.8 | 63.9 | 72.0 | 80.3 | 95.5 | 95.5 | 92.6 | 84.1 | 69.2 | 55.8 | 51.8 | 72.2 |
| 1995 | 49.0 | 62.3 | 63.6 | 67.5 | 78.2 | 89.4 | 94.3 | 92.8 | 81.8 | 74.5 | 63.8 | 52.3 | 72.5 |
| 1996 | 51.7 | 58.7 | 61.1 | 71.9 | 87.2 | 90.0 | 91.2 | 87.9 | 77.1 | 67.5 | 57.2 | 50.3 | 71.0 |
| 1997 | 43.5 | 51.5 | 66.7 | 64.1 | 78.7 | 86.3 | 90.0 | 87.9 | 82.8 | 69.9 | 54.5 | 41.7 | 68.1 |
| 1998 | 49.9 | 49.7 | 59.2 | 65.0 | 80.7 | 89.8 | 88.8 | 89.1 | 86.8 | 69.0 | 58.4 | 50.1 | 69.7 |
| 1999 | 53.2 | 58.5 | 64.3 | 67.3 | 76.9 | 87.1 | 87.9 | 85.3 | 80.1 | 72.5 | 63.4 | 46.9 | 70.3 |
| 2000 | 53.1 | 57.6 | 60.3 | 72.8 | 85.4 | 89.2 | 92.6 | 90.1 | 85.5 | 65.0 | 48.9 | 47.5 | 70.7 |
| 2001 | 43.5 | 54.4 | 60.5 | 71.8 | 83.2 | 91.4 | 91.7 | 87.6 | 84.7 | 73.7 | 57.6 | 46.7 | 70.6 |
| 2002 | 47.3 | 52.6 | 62.7 | 76.3 | 81.9 | 93.2 | 90.7 | 90.0 | 80.2 | 68.0 | 55.5 | 45.6 | 70.3 |
| 2003 | 55.8 | 50.7 | 59.6 | 70.0 | 81.1 | 88.4 | 96.7 | 90.3 | 82.9 | 74.3 | 56.3 | 47.8 | 71.2 |
| 2004 | 48.4 | 48.2 | 65.3 | 65.7 | 81.8 | 88.8 | 90.6 | 86.5 | 80.3 | 67.7 | 54.1 | 47.5 | 68.7 |
| 2005 | 51.6 | 51.4 | 57.1 | 69.3 | 79.6 | 89.2 | 94.1 | 87.9 | 83.3 | 67.9 | 60.4 | 50.5 | 70.2 |
| 2006 | 51.6 | 56.4 | 60.1 | 74.0 | 83.9 | 91.3 | 89.8 | 83.1 | 75.8 | 67.8 | 60.1 | 45.0 | 69.9 |
| 2007 | 41.3 | 53.6 | 64.4 | 68.9 | 76.6 | 89.9 | 91.5 | 91.6 | 83.0 | 73.2 | 60.8 | 45.9 | 70.1 |
| 2008 | 44.2 | 53.8 | 63.3 | 70.5 | 77.7 | 91.0 | 87.7 | 88.1 | 82.2 | 71.0 | 58.9 | 48.4 | 69.7 |
| Average | 47.5 | 53.4 | 61.1 | 70.6 | 80.0 | 90.1 | 92.2 | 89.2 | 82.7 | 71.2 | 57.2 | 47.7 | 70.2 |
| 1948-2004 Av | 47.5 | 53.4 | 61.1 | 70.6 | 80.1 | 90.1 | 92.3 | 89.3 | 82.8 | 71.3 | 57.1 | 47.7 | 70.3 |
| 1991-2005 Av | 49.2 | 54.4 | 62.0 | 70.2 | 81.0 | 89.7 | 92.0 | 88.9 | 82.6 | 70.6 | 56.6 | 47.9 | 70.4 |

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Albuquerque, NM NOAA Weather Station (290234) Average of Minimum Temperature

| Year | Values in Degrees F | | | | | | | | | | | | Annual |
|----------------|---------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | |
| 1948 | 21.9 | 25.8 | 28.2 | 44.7 | 52.6 | 59.8 | 65.8 | 63.7 | 57.6 | 43.7 | 28.0 | 27.0 | 43.2 |
| 1949 | 21.1 | 24.8 | 34.0 | 41.8 | 51.3 | 59.2 | 64.8 | 62.5 | 58.7 | 42.5 | 35.5 | 22.0 | 43.2 |
| 1950 | 24.4 | 31.5 | 33.3 | 43.2 | 50.6 | 61.1 | 64.1 | 62.2 | 55.2 | 50.9 | 34.0 | 28.9 | 44.9 |
| 1951 | 24.6 | 27.0 | 33.1 | 40.6 | 52.3 | 59.8 | 68.9 | 64.4 | 56.9 | 45.3 | 29.1 | 25.0 | 43.9 |
| 1952 | 27.5 | 27.3 | 29.9 | 42.3 | 53.1 | 64.5 | 64.3 | 65.4 | 56.7 | 44.7 | 28.4 | 23.3 | 44.0 |
| 1953 | 30.1 | 26.1 | 36.0 | 40.9 | 47.1 | 63.0 | 66.5 | 64.2 | 57.8 | 45.8 | 34.2 | 22.7 | 44.5 |
| 1954 | 26.5 | 32.2 | 33.1 | 48.7 | 52.9 | 61.6 | 67.8 | 63.3 | 60.0 | 48.5 | 35.2 | 24.6 | 46.2 |
| 1955 | 23.0 | 22.3 | 33.8 | 40.7 | 50.9 | 59.3 | 64.1 | 64.5 | 58.3 | 47.0 | 31.9 | 28.3 | 43.7 |
| 1956 | 29.6 | 23.8 | 34.0 | 40.9 | 54.0 | 64.1 | 64.8 | 62.5 | 59.1 | 46.4 | 26.8 | 23.0 | 44.1 |
| 1957 | 30.3 | 37.1 | 35.6 | 40.4 | 49.2 | 59.8 | 65.4 | 63.9 | 55.6 | 46.2 | 30.7 | 27.0 | 45.1 |
| 1958 | 24.5 | 31.6 | 32.2 | 40.6 | 53.8 | 64.0 | 66.0 | 65.3 | 57.8 | 45.2 | 33.4 | 28.4 | 45.2 |
| 1959 | 23.1 | 27.8 | 32.1 | 43.6 | 51.4 | 63.1 | 64.7 | 64.0 | 56.3 | 44.2 | 31.2 | 28.5 | 44.2 |
| 1960 | 22.0 | 25.4 | 36.4 | 43.1 | 51.2 | 62.3 | 65.9 | 64.7 | 58.9 | 44.9 | 33.7 | 24.9 | 44.5 |
| 1961 | 21.4 | 27.9 | 34.2 | 39.2 | 50.1 | 60.5 | 63.2 | 63.2 | 52.2 | 42.1 | 31.2 | 24.0 | 42.4 |
| 1962 | 20.2 | 28.8 | 26.6 | 42.3 | 46.9 | 56.7 | 62.7 | 62.5 | 56.9 | 45.1 | 35.4 | 25.4 | 42.4 |
| 1963 | 16.6 | 27.3 | 31.1 | 42.6 | 51.7 | 58.8 | 67.6 | 63.9 | 59.9 | 47.5 | 33.3 | 22.0 | 43.5 |
| 1964 | 16.9 | 18.1 | 27.0 | 37.6 | 50.2 | 57.5 | 64.5 | 63.6 | 57.3 | 45.1 | 31.7 | 25.3 | 41.2 |
| 1965 | 27.1 | 26.7 | 31.5 | 39.6 | 45.9 | 53.7 | 64.1 | 62.2 | 53.5 | 42.6 | 35.5 | 25.4 | 42.3 |
| 1966 | 18.6 | 21.0 | 29.6 | 38.9 | 51.0 | 56.9 | 65.9 | 62.0 | 54.8 | 42.3 | 33.1 | 21.6 | 41.3 |
| 1967 | 18.3 | 26.3 | 36.7 | 42.8 | 48.2 | 57.3 | 66.2 | 62.2 | 55.6 | 42.9 | 32.4 | 22.9 | 42.7 |
| 1968 | 24.5 | 31.6 | 33.7 | 39.2 | 47.7 | 58.8 | 63.1 | 60.1 | 53.2 | 42.9 | 31.3 | 17.8 | 42.0 |
| 1969 | 24.9 | 24.8 | 27.2 | 42.7 | 51.7 | 57.8 | 66.6 | 65.5 | 56.6 | 41.4 | 28.5 | 26.5 | 42.8 |
| 1970 | 20.6 | 29.6 | 30.5 | 36.1 | 50.2 | 57.7 | 65.9 | 64.8 | 53.8 | 38.5 | 30.6 | 23.2 | 41.8 |
| 1971 | 18.9 | 24.7 | 31.2 | 37.6 | 45.4 | 57.1 | 63.6 | 60.4 | 52.2 | 40.5 | 32.8 | 22.0 | 40.5 |
| 1972 | 21.0 | 26.2 | 36.1 | 38.5 | 46.7 | 57.1 | 64.1 | 61.8 | 55.5 | 46.9 | 29.3 | 22.6 | 42.2 |
| 1973 | 21.5 | 25.4 | 32.2 | 35.4 | 48.1 | 58.0 | 64.9 | 63.7 | 52.8 | 40.6 | 29.2 | 19.3 | 40.9 |
| 1974 | 21.6 | 22.0 | 36.0 | 39.5 | 51.5 | 63.9 | 63.1 | 59.8 | 53.8 | 47.5 | 31.9 | 20.2 | 42.6 |
| 1975 | 18.7 | 24.8 | 31.1 | 33.9 | 45.1 | 56.2 | 63.2 | 61.7 | 53.6 | 39.8 | 26.5 | 22.1 | 39.7 |
| 1976 | 18.9 | 27.8 | 28.8 | 38.5 | 47.6 | 57.5 | 63.8 | 61.6 | 55.4 | 38.8 | 25.4 | 18.3 | 40.2 |
| 1977 | 18.0 | 26.2 | 28.4 | 42.5 | 49.2 | 59.6 | 65.2 | 65.0 | 56.3 | 44.0 | 31.8 | 27.2 | 42.8 |
| 1978 | 27.1 | 26.9 | 34.9 | 40.4 | 44.3 | 59.0 | 66.3 | 61.0 | 55.0 | 45.3 | 35.7 | 22.5 | 43.2 |
| 1979 | 22.5 | 27.0 | 32.6 | 40.2 | 48.8 | 57.5 | 65.0 | 63.2 | 57.3 | 44.8 | 28.1 | 22.9 | 42.5 |
| 1980 | 28.8 | 30.3 | 31.3 | 35.3 | 44.0 | 58.0 | 66.2 | 63.2 | 55.7 | 38.7 | 28.0 | 26.0 | 42.1 |
| 1981 | 23.1 | 26.1 | 31.9 | 42.4 | 49.4 | 60.2 | 65.3 | 62.6 | 56.0 | 42.5 | 31.7 | 26.5 | 43.1 |
| 1982 | 22.8 | 26.2 | 32.8 | 40.6 | 46.6 | 58.4 | 64.2 | 63.9 | 56.7 | 39.9 | 30.9 | 23.7 | 42.2 |
| 1983 | 23.2 | 27.4 | 33.2 | 34.5 | 46.7 | 57.2 | 65.8 | 66.4 | 59.6 | 46.1 | 33.3 | 25.5 | 43.2 |
| 1984 | 22.0 | 25.3 | 31.6 | 37.4 | 54.1 | 58.8 | 65.4 | 63.7 | 55.7 | 41.5 | 32.1 | 26.5 | 42.8 |
| 1985 | 24.5 | 26.4 | 35.3 | 42.7 | 50.4 | 59.4 | 63.7 | 63.1 | 53.1 | 45.4 | 33.3 | 24.6 | 43.5 |
| 1986 | 27.9 | 31.1 | 37.0 | 42.7 | 49.6 | 59.5 | 61.5 | 63.2 | 53.4 | 42.7 | 31.6 | 26.3 | 43.9 |
| 1987 | 20.8 | 28.0 | 29.9 | 40.4 | 50.1 | 58.0 | 62.9 | 61.5 | 55.1 | 47.2 | 32.7 | 24.1 | 42.6 |
| 1988 | 23.0 | 30.5 | 32.2 | 40.9 | 49.9 | 60.5 | 64.7 | 63.8 | 53.2 | 46.5 | 31.8 | 21.1 | 43.2 |
| 1989 | 23.0 | 28.9 | 36.7 | 45.0 | 52.5 | 60.6 | 65.0 | 61.7 | 56.0 | 43.8 | 32.5 | 22.5 | 44.0 |
| 1990 | 22.0 | 26.1 | 35.5 | 44.0 | 49.4 | 63.2 | 63.9 | 61.1 | 59.0 | 43.6 | 32.0 | 20.2 | 43.3 |
| 1991 | 25.3 | 30.4 | 32.2 | 40.1 | 49.3 | 58.3 | 63.8 | 62.9 | 55.6 | 44.5 | 31.8 | 27.6 | 43.5 |
| 1992 | 22.5 | 30.3 | 35.4 | 44.6 | 51.9 | 56.9 | 61.8 | 61.4 | 55.5 | 46.4 | 28.2 | 23.3 | 43.2 |
| 1993 | 29.3 | 31.0 | 34.1 | 41.7 | 50.5 | 59.2 | 64.9 | 62.7 | 54.6 | 42.2 | 30.2 | 24.3 | 43.7 |
| 1994 | 24.0 | 27.6 | 36.4 | 44.9 | 53.4 | 65.2 | 67.0 | 66.2 | 57.9 | 44.7 | 33.2 | 29.9 | 45.9 |
| 1995 | 29.4 | 36.2 | 37.8 | 40.9 | 50.7 | 60.1 | 65.6 | 66.8 | 57.2 | 44.4 | 37.7 | 29.4 | 46.3 |
| 1996 | 26.9 | 33.5 | 32.4 | 43.0 | 55.8 | 62.9 | 67.7 | 64.5 | 55.3 | 44.3 | 34.0 | 27.0 | 45.6 |
| 1997 | 23.2 | 29.8 | 36.9 | 41.1 | 53.1 | 59.7 | 65.1 | 64.6 | 60.2 | 43.1 | 32.6 | 23.6 | 44.4 |
| 1998 | 25.8 | 27.9 | 34.2 | 39.4 | 50.5 | 58.9 | 65.4 | 65.1 | 61.9 | 46.8 | 34.6 | 26.8 | 44.8 |
| 1999 | 28.2 | 29.4 | 37.0 | 40.1 | 50.4 | 58.5 | 65.4 | 64.0 | 56.2 | 44.7 | 36.2 | 24.3 | 44.5 |
| 2000 | 28.7 | 32.4 | 35.1 | 45.3 | 55.5 | 63.2 | 66.4 | 66.0 | 59.2 | 46.4 | 29.9 | 26.7 | 46.2 |
| 2001 | 24.1 | 30.9 | 36.2 | 43.8 | 54.5 | 62.4 | 67.0 | 64.2 | 60.0 | 47.8 | 38.1 | 25.9 | 46.3 |
| 2002 | 26.7 | 27.5 | 32.3 | 47.2 | 53.0 | 65.0 | 66.6 | 65.2 | 58.2 | 45.9 | 34.2 | 27.5 | 45.8 |
| 2003 | 31.2 | 30.7 | 35.4 | 43.3 | 54.0 | 61.4 | 71.0 | 67.1 | 58.3 | 50.0 | 35.2 | 26.6 | 47.0 |
| 2004 | 28.2 | 27.1 | 41.1 | 43.3 | 54.4 | 61.4 | 65.1 | 62.9 | 57.0 | 45.7 | 35.3 | 26.5 | 45.7 |
| 2005 | 31.8 | 35.0 | 34.7 | 42.8 | 53.4 | 61.0 | 68.5 | 65.3 | 59.8 | 47.6 | 35.2 | 27.1 | 46.9 |
| 2006 | 27.3 | 29.1 | 36.7 | 46.9 | 56.1 | 65.0 | 67.6 | 63.8 | 53.6 | 45.4 | 35.1 | 25.2 | 46.0 |
| 2007 | 22.6 | 29.4 | 37.3 | 42.4 | 52.1 | 61.7 | 67.1 | 67.6 | 60.0 | 46.4 | 36.2 | 27.0 | 45.8 |
| 2008 | 22.7 | 29.7 | 34.2 | 41.2 | 50.4 | 61.5 | 65.4 | 65.1 | 58.5 | 46.4 | 35.3 | 29.2 | 44.9 |
| Average | 24.0 | 28.0 | 33.4 | 41.3 | 50.5 | 60.0 | 65.3 | 63.6 | 56.5 | 44.5 | 32.3 | 24.8 | 43.7 |
| 1948-2004 Av | 23.9 | 27.8 | 33.2 | 41.1 | 50.4 | 59.8 | 65.1 | 63.4 | 56.4 | 44.4 | 32.0 | 24.6 | 43.5 |
| 1991-2005 Av | 27.0 | 30.6 | 35.4 | 42.8 | 52.7 | 60.9 | 66.1 | 64.6 | 57.8 | 45.6 | 33.8 | 26.4 | 45.3 |

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| Year | Values in Degrees F | | | | | | | | | | | | Annual |
|----------------|---------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | |
| 1948 | 33.7 | 37.6 | 40.9 | 59.3 | 66.7 | 73.9 | 79.6 | 77.6 | 71.3 | 57.2 | 40.6 | 38.1 | 56.4 |
| 1949 | 30.3 | 37.2 | 47.9 | 55.5 | 64.8 | 73.7 | 77.7 | 76.3 | 71.8 | 56.1 | 50.7 | 34.1 | 56.3 |
| 1950 | 37.5 | 44.8 | 47.9 | 58.5 | 65.7 | 76.1 | 76.8 | 76.2 | 67.8 | 65.8 | 48.3 | 42.3 | 59.0 |
| 1951 | 36.5 | 39.8 | 46.3 | 54.8 | 66.5 | 74.7 | 82.6 | 76.6 | 71.9 | 58.8 | 42.2 | 36.2 | 57.2 |
| 1952 | 39.0 | 39.4 | 42.3 | 55.9 | 66.3 | 78.1 | 78.2 | 78.9 | 70.7 | 61.0 | 40.1 | 33.6 | 57.0 |
| 1953 | 42.2 | 38.7 | 48.7 | 55.2 | 61.5 | 78.1 | 80.0 | 77.7 | 73.0 | 59.2 | 46.3 | 32.8 | 57.8 |
| 1954 | 38.4 | 46.8 | 46.0 | 62.8 | 66.9 | 76.4 | 81.3 | 76.6 | 72.8 | 61.4 | 48.6 | 36.1 | 59.5 |
| 1955 | 33.6 | 34.7 | 47.4 | 55.1 | 63.9 | 73.9 | 77.0 | 76.8 | 72.5 | 61.1 | 45.1 | 40.0 | 56.8 |
| 1956 | 41.1 | 36.0 | 49.1 | 55.3 | 69.6 | 78.9 | 78.4 | 76.2 | 74.1 | 60.3 | 40.9 | 36.3 | 58.0 |
| 1957 | 39.9 | 48.1 | 47.2 | 54.2 | 61.9 | 74.8 | 79.1 | 76.0 | 70.3 | 56.6 | 40.2 | 38.5 | 57.2 |
| 1958 | 35.3 | 43.4 | 42.8 | 53.0 | 68.6 | 78.5 | 79.5 | 78.9 | 69.2 | 56.9 | 46.0 | 41.5 | 57.8 |
| 1959 | 34.3 | 39.5 | 45.8 | 57.0 | 65.1 | 77.0 | 78.6 | 76.2 | 70.5 | 56.8 | 43.8 | 38.2 | 56.9 |
| 1960 | 33.0 | 36.5 | 49.9 | 57.9 | 64.7 | 76.6 | 78.6 | 78.4 | 71.8 | 56.5 | 46.5 | 33.9 | 57.0 |
| 1961 | 33.9 | 40.6 | 47.0 | 54.4 | 65.9 | 75.7 | 76.7 | 75.2 | 65.6 | 56.8 | 40.3 | 34.0 | 55.5 |
| 1962 | 31.5 | 42.3 | 41.2 | 58.0 | 64.1 | 72.7 | 76.3 | 77.6 | 69.4 | 58.0 | 46.9 | 36.9 | 56.2 |
| 1963 | 29.4 | 40.4 | 45.2 | 57.7 | 68.0 | 74.6 | 81.4 | 75.9 | 72.4 | 61.5 | 45.6 | 34.8 | 57.2 |
| 1964 | 30.0 | 29.1 | 41.5 | 51.7 | 65.7 | 73.6 | 78.2 | 76.8 | 69.3 | 59.3 | 43.7 | 35.5 | 54.5 |
| 1965 | 38.8 | 39.4 | 44.6 | 54.8 | 61.7 | 69.3 | 77.8 | 75.4 | 66.5 | 57.9 | 48.4 | 35.8 | 55.9 |
| 1966 | 30.1 | 33.2 | 45.6 | 54.5 | 67.1 | 72.8 | 79.8 | 75.6 | 68.4 | 56.8 | 46.7 | 34.3 | 55.4 |
| 1967 | 33.2 | 40.5 | 52.0 | 57.8 | 63.7 | 71.5 | 79.2 | 74.4 | 68.4 | 58.1 | 46.1 | 32.4 | 56.4 |
| 1968 | 36.8 | 43.3 | 46.7 | 53.4 | 62.7 | 75.2 | 76.1 | 72.4 | 68.0 | 58.3 | 42.8 | 30.0 | 55.5 |
| 1969 | 38.0 | 38.4 | 41.0 | 57.4 | 66.2 | 73.5 | 80.2 | 79.0 | 70.0 | 53.8 | 41.4 | 39.1 | 56.5 |
| 1970 | 34.5 | 42.8 | 44.0 | 52.5 | 66.2 | 72.7 | 79.6 | 77.8 | 67.5 | 52.6 | 44.5 | 36.4 | 55.9 |
| 1971 | 33.5 | 38.8 | 47.7 | 53.3 | 61.7 | 73.8 | 78.1 | 73.8 | 66.4 | 53.8 | 45.2 | 31.8 | 54.8 |
| 1972 | 36.1 | 42.4 | 53.6 | 56.9 | 64.0 | 73.7 | 78.6 | 74.1 | 68.1 | 57.6 | 40.1 | 34.9 | 56.7 |
| 1973 | 31.8 | 35.8 | 45.1 | 50.2 | 62.7 | 73.5 | 78.3 | 77.9 | 67.5 | 56.4 | 44.6 | 34.0 | 54.8 |
| 1974 | 33.6 | 37.8 | 52.7 | 56.4 | 68.5 | 80.1 | 77.0 | 72.6 | 66.1 | 58.1 | 45.0 | 32.0 | 56.6 |
| 1975 | 30.8 | 38.0 | 45.0 | 49.9 | 61.0 | 73.0 | 76.8 | 76.1 | 66.2 | 56.5 | 42.6 | 35.6 | 54.3 |
| 1976 | 33.2 | 43.3 | 44.3 | 54.6 | 62.8 | 73.4 | 77.0 | 75.0 | 68.0 | 53.0 | 40.6 | 33.0 | 54.8 |
| 1977 | 29.8 | 40.7 | 43.1 | 56.5 | 64.2 | 75.5 | 78.5 | 77.4 | 69.4 | 58.9 | 46.4 | 40.3 | 56.7 |
| 1978 | 36.7 | 39.2 | 50.1 | 57.7 | 60.4 | 75.5 | 81.5 | 75.5 | 69.1 | 60.3 | 47.5 | 34.3 | 57.3 |
| 1979 | 32.9 | 41.1 | 48.4 | 56.9 | 63.6 | 73.3 | 80.5 | 77.0 | 72.3 | 61.5 | 40.9 | 37.6 | 57.2 |
| 1980 | 40.2 | 44.2 | 46.1 | 52.1 | 61.1 | 77.2 | 82.6 | 77.3 | 69.9 | 54.5 | 43.5 | 40.5 | 57.4 |
| 1981 | 38.0 | 42.9 | 46.1 | 59.0 | 64.5 | 76.9 | 79.8 | 76.4 | 69.7 | 55.7 | 47.0 | 40.5 | 58.0 |
| 1982 | 35.9 | 39.4 | 47.4 | 56.1 | 63.0 | 74.8 | 79.0 | 77.4 | 69.4 | 54.8 | 42.9 | 34.4 | 56.2 |
| 1983 | 35.0 | 39.7 | 46.8 | 50.2 | 63.0 | 73.4 | 80.3 | 79.4 | 73.4 | 58.3 | 45.0 | 36.6 | 56.8 |
| 1984 | 34.1 | 40.1 | 46.8 | 52.8 | 69.9 | 73.6 | 78.9 | 75.7 | 68.8 | 51.5 | 43.7 | 35.6 | 55.9 |
| 1985 | 33.8 | 38.2 | 47.5 | 57.4 | 64.0 | 74.1 | 77.1 | 76.6 | 65.9 | 57.4 | 45.3 | 37.6 | 56.2 |
| 1986 | 41.3 | 43.0 | 50.8 | 56.5 | 63.7 | 72.7 | 74.7 | 76.0 | 66.5 | 54.6 | 42.2 | 36.2 | 56.5 |
| 1987 | 32.3 | 39.1 | 43.7 | 54.8 | 62.7 | 73.0 | 77.7 | 74.7 | 68.8 | 61.3 | 45.2 | 35.3 | 55.7 |
| 1988 | 34.5 | 43.9 | 47.0 | 55.1 | 64.3 | 74.3 | 78.1 | 75.0 | 66.3 | 61.0 | 45.4 | 33.9 | 56.6 |
| 1989 | 35.4 | 41.9 | 52.7 | 61.4 | 68.8 | 75.6 | 78.5 | 74.3 | 69.4 | 56.6 | 46.4 | 35.1 | 58.0 |
| 1990 | 34.6 | 38.5 | 48.6 | 57.3 | 63.6 | 78.9 | 76.8 | 73.8 | 70.9 | 58.3 | 44.9 | 32.0 | 56.5 |
| 1991 | 35.6 | 44.6 | 46.0 | 56.0 | 65.5 | 73.3 | 76.9 | 75.5 | 68.1 | 59.6 | 43.3 | 37.3 | 56.8 |
| 1992 | 32.7 | 42.3 | 48.8 | 60.0 | 64.6 | 72.4 | 76.2 | 75.0 | 70.2 | 60.8 | 39.7 | 32.7 | 56.3 |
| 1993 | 39.6 | 42.4 | 48.7 | 57.1 | 65.7 | 75.1 | 79.9 | 75.6 | 69.1 | 56.1 | 43.3 | 37.3 | 57.5 |
| 1994 | 38.0 | 40.7 | 50.2 | 58.4 | 66.8 | 80.4 | 81.3 | 79.4 | 71.0 | 56.9 | 44.5 | 40.8 | 59.0 |
| 1995 | 39.2 | 49.2 | 50.7 | 54.2 | 64.5 | 74.7 | 80.0 | 79.8 | 69.5 | 59.5 | 50.8 | 40.8 | 59.4 |
| 1996 | 39.3 | 46.1 | 46.7 | 57.4 | 71.5 | 76.5 | 79.5 | 76.2 | 66.2 | 55.9 | 45.6 | 38.6 | 58.3 |
| 1997 | 33.3 | 40.6 | 51.8 | 52.6 | 65.9 | 73.0 | 77.5 | 76.3 | 71.5 | 56.5 | 43.6 | 32.7 | 56.3 |
| 1998 | 37.9 | 38.8 | 46.7 | 52.2 | 65.6 | 74.4 | 77.1 | 77.1 | 74.4 | 57.9 | 46.5 | 38.5 | 57.2 |
| 1999 | 40.7 | 43.9 | 50.6 | 53.7 | 63.7 | 72.8 | 76.6 | 74.6 | 68.1 | 58.6 | 49.8 | 35.6 | 57.4 |
| 2000 | 40.9 | 45.0 | 47.7 | 59.0 | 70.4 | 76.2 | 79.5 | 78.0 | 72.4 | 55.7 | 39.4 | 37.1 | 58.4 |
| 2001 | 33.8 | 42.7 | 48.3 | 57.8 | 68.9 | 76.9 | 79.4 | 75.9 | 72.4 | 60.8 | 47.9 | 36.3 | 58.4 |
| 2002 | 37.0 | 40.1 | 47.5 | 61.8 | 67.4 | 79.1 | 78.6 | 77.6 | 69.2 | 57.0 | 44.9 | 36.5 | 58.1 |
| 2003 | 43.5 | 40.7 | 47.5 | 56.7 | 67.6 | 74.9 | 83.8 | 78.7 | 70.6 | 62.2 | 45.7 | 37.2 | 59.1 |
| 2004 | 38.3 | 37.6 | 53.2 | 54.5 | 68.1 | 75.1 | 77.9 | 74.7 | 68.6 | 56.7 | 44.7 | 37.0 | 57.2 |
| 2005 | 41.7 | 43.2 | 45.9 | 56.1 | 66.5 | 75.1 | 81.3 | 76.6 | 71.6 | 57.8 | 47.8 | 38.8 | 58.5 |
| 2006 | 39.5 | 42.8 | 48.4 | 60.5 | 70.0 | 78.1 | 78.7 | 73.5 | 64.7 | 56.6 | 47.6 | 35.1 | 57.9 |
| 2007 | 32.0 | 41.5 | 50.8 | 55.6 | 64.4 | 75.8 | 79.3 | 79.6 | 71.5 | 59.8 | 48.5 | 36.5 | 57.9 |
| 2008 | 33.4 | 41.7 | 48.7 | 55.9 | 64.1 | 76.3 | 76.6 | 76.6 | 70.3 | 58.7 | 47.1 | 38.8 | 57.3 |
| Average | 35.7 | 40.7 | 47.3 | 55.9 | 65.3 | 75.1 | 78.7 | 76.4 | 69.6 | 57.8 | 44.8 | 36.2 | 57.0 |
| 1948-2004 Av | 35.7 | 40.6 | 47.2 | 55.8 | 65.2 | 75.0 | 78.7 | 76.4 | 69.6 | 57.8 | 44.6 | 36.1 | 56.9 |
| 1991-2005 Av | 38.1 | 42.5 | 48.7 | 56.5 | 66.9 | 75.3 | 79.0 | 76.7 | 70.2 | 58.1 | 45.2 | 37.2 | 57.9 |

Appendix A

Albuquerque, NM NOAA Weather Station (290234) Total Monthly Precipitation

| Year | Values in Inches | | | | | | | | | | | | Annual |
|----------------|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | |
| 1948 | 0.18 | 1.42 | 0.41 | 0.33 | 0.94 | 0.57 | 0.46 | 0.51 | 0.8 | 0.6 | 0.11 | 0.11 | 6.44 |
| 1949 | 0.61 | 0.29 | 0.65 | 0.67 | 1.35 | 0.32 | 2.21 | 0.72 | 0.87 | 0.14 | 0.00 | 0.59 | 8.42 |
| 1950 | 0.02 | 0.38 | 0.04 | 0.27 | 0.06 | 0.23 | 2.00 | 0.08 | 1.01 | 0.01 | 0.00 | 0.00 | 4.10 |
| 1951 | 0.41 | 0.27 | 0.29 | 0.38 | 0.10 | 0.02 | 0.85 | 2.22 | 0.05 | 0.37 | 0.14 | 0.28 | 5.38 |
| 1952 | 0.20 | 0.17 | 0.59 | 0.76 | 0.65 | 1.64 | 1.91 | 1.10 | 0.34 | 0.00 | 0.53 | 0.20 | 8.09 |
| 1953 | 0.00 | 0.43 | 0.74 | 0.69 | 0.03 | 0.35 | 0.53 | 0.59 | 0.06 | 0.46 | 0.91 | 0.29 | 5.08 |
| 1954 | 0.20 | 0.07 | 0.24 | 0.00 | 0.51 | 0.01 | 1.45 | 0.65 | 0.77 | 0.25 | 0.22 | 0.14 | 4.51 |
| 1955 | 0.29 | 0.18 | 0.00 | 0.04 | 0.53 | 0.33 | 1.60 | 1.32 | 1.94 | 0.06 | 0.00 | 0.22 | 6.51 |
| 1956 | 0.46 | 0.49 | 0.00 | 0.00 | 0.18 | 0.43 | 1.49 | 0.62 | 0.02 | 0.34 | 0.03 | 0.00 | 4.06 |
| 1957 | 0.78 | 0.59 | 0.52 | 0.38 | 0.35 | 0.04 | 2.48 | 1.32 | 0.00 | 2.59 | 1.24 | 0.32 | 10.61 |
| 1958 | 0.21 | 0.27 | 1.71 | 0.62 | 0.43 | 0.22 | 0.14 | 1.74 | 1.34 | 1.72 | 0.37 | 1.35 | 10.12 |
| 1959 | 0.17 | 0.04 | 0.42 | 0.43 | 0.80 | 0.78 | 0.73 | 2.79 | 0.36 | 1.70 | 0.07 | 1.85 | 10.14 |
| 1960 | 0.34 | 0.38 | 0.44 | 0.19 | 0.71 | 0.91 | 0.47 | 0.78 | 0.56 | 2.88 | 0.07 | 0.39 | 8.12 |
| 1961 | 0.23 | 0.10 | 0.61 | 0.73 | 0.01 | 0.11 | 2.70 | 1.69 | 1.09 | 0.47 | 0.48 | 0.65 | 8.87 |
| 1962 | 1.01 | 0.11 | 0.18 | 0.07 | 0.01 | 0.19 | 1.24 | 0.00 | 0.71 | 0.75 | 0.61 | 0.51 | 5.39 |
| 1963 | 0.29 | 0.24 | 0.55 | 0.14 | 0.03 | 0.11 | 1.43 | 3.00 | 0.63 | 0.76 | 0.29 | 0.00 | 7.47 |
| 1964 | 0.07 | 1.12 | 0.13 | 0.61 | 0.35 | 0.00 | 1.87 | 0.98 | 1.57 | 0.04 | 0.21 | 0.49 | 7.44 |
| 1965 | 0.47 | 0.60 | 0.49 | 0.49 | 0.19 | 0.99 | 1.65 | 0.61 | 1.18 | 0.89 | 0.33 | 1.42 | 9.31 |
| 1966 | 0.42 | 0.30 | 0.00 | 0.04 | 0.02 | 1.66 | 1.63 | 1.06 | 1.04 | 0.54 | 0.09 | 0.01 | 6.81 |
| 1967 | 0.01 | 0.44 | 0.25 | 0.00 | 0.04 | 1.71 | 0.61 | 3.30 | 0.79 | 0.18 | 0.15 | 0.56 | 8.04 |
| 1968 | 0.01 | 0.98 | 1.48 | 0.51 | 0.99 | 0.05 | 3.33 | 1.49 | 0.30 | 0.12 | 0.59 | 0.82 | 10.67 |
| 1969 | 0.08 | 0.34 | 0.41 | 1.76 | 1.31 | 0.59 | 0.94 | 0.95 | 1.08 | 2.37 | 0.01 | 0.72 | 10.56 |
| 1970 | 0.00 | 0.27 | 0.42 | 0.05 | 0.33 | 0.40 | 1.22 | 2.24 | 0.79 | 0.25 | 0.08 | 0.23 | 6.28 |
| 1971 | 0.27 | 0.21 | 0.03 | 0.78 | 0.16 | 0.02 | 1.05 | 0.87 | 1.44 | 1.15 | 0.67 | 1.40 | 8.05 |
| 1972 | 0.12 | 0.12 | 0.08 | 0.00 | 0.18 | 0.55 | 1.00 | 2.93 | 1.00 | 3.08 | 0.69 | 0.36 | 10.11 |
| 1973 | 0.85 | 0.33 | 2.18 | 0.91 | 0.66 | 1.37 | 1.80 | 1.19 | 1.13 | 0.35 | 0.08 | 0.03 | 10.88 |
| 1974 | 0.88 | 0.11 | 0.85 | 0.14 | 0.01 | 0.22 | 2.40 | 0.79 | 1.58 | 1.96 | 0.38 | 0.51 | 9.83 |
| 1975 | 0.26 | 0.99 | 0.95 | 0.10 | 0.66 | 0.00 | 1.43 | 1.40 | 1.66 | 0.00 | 0.28 | 0.28 | 8.01 |
| 1976 | 0.00 | 0.40 | 0.09 | 0.31 | 0.82 | 0.60 | 1.32 | 0.73 | 0.45 | 0.03 | 0.24 | 0.20 | 5.19 |
| 1977 | 0.88 | 0.13 | 0.63 | 1.07 | 0.10 | 0.04 | 0.69 | 2.28 | 0.78 | 0.76 | 0.42 | 0.13 | 7.91 |
| 1978 | 1.32 | 1.02 | 0.54 | 0.05 | 0.69 | 1.05 | 0.24 | 2.49 | 0.59 | 1.22 | 1.00 | 0.76 | 10.97 |
| 1979 | 1.07 | 0.62 | 0.14 | 0.24 | 2.48 | 1.02 | 0.80 | 1.53 | 0.40 | 0.27 | 0.91 | 0.87 | 10.35 |
| 1980 | 0.87 | 0.58 | 0.60 | 0.60 | 0.56 | 0.01 | 0.08 | 2.61 | 1.83 | 0.09 | 0.30 | 0.74 | 8.87 |
| 1981 | 0.05 | 0.67 | 0.80 | 0.30 | 0.53 | 0.35 | 1.07 | 1.68 | 0.41 | 1.43 | 0.37 | 0.00 | 7.66 |
| 1982 | 0.32 | 0.20 | 0.84 | 0.05 | 0.52 | 0.09 | 1.32 | 1.09 | 1.34 | 0.26 | 0.60 | 0.78 | 7.41 |
| 1983 | 1.10 | 0.71 | 0.61 | 0.02 | 0.32 | 1.21 | 0.55 | 0.27 | 0.91 | 1.20 | 0.44 | 0.42 | 7.76 |
| 1984 | 0.33 | 0.00 | 0.62 | 0.50 | 0.16 | 0.48 | 1.13 | 2.70 | 1.13 | 3.04 | 0.63 | 1.36 | 12.08 |
| 1985 | 0.49 | 0.54 | 0.70 | 1.69 | 1.12 | 0.53 | 1.16 | 0.49 | 1.53 | 2.15 | 0.19 | 0.16 | 10.75 |
| 1986 | 0.22 | 1.01 | 0.17 | 0.33 | 1.11 | 2.57 | 1.51 | 2.26 | 0.53 | 1.54 | 1.29 | 0.44 | 12.98 |
| 1987 | 0.66 | 0.61 | 0.07 | 1.00 | 0.58 | 0.13 | 0.91 | 2.98 | 0.20 | 0.44 | 0.42 | 0.34 | 8.34 |
| 1988 | 0.15 | 0.07 | 0.85 | 1.42 | 0.62 | 1.25 | 2.26 | 3.29 | 2.63 | 0.32 | 0.22 | 0.03 | 13.11 |
| 1989 | 0.57 | 0.35 | 0.48 | 0.00 | 0.02 | 0.02 | 1.51 | 0.48 | 0.31 | 0.97 | 0.00 | 0.28 | 4.99 |
| 1990 | 0.21 | 0.49 | 0.41 | 1.71 | 0.45 | 0.27 | 2.36 | 1.79 | 0.96 | 0.15 | 0.86 | 0.59 | 10.25 |
| 1991 | 0.60 | 0.06 | 0.14 | 0.00 | 1.14 | 0.65 | 2.63 | 1.26 | 1.43 | 0.26 | 1.93 | 1.49 | 11.59 |
| 1992 | 0.60 | 0.20 | 0.63 | 0.22 | 1.81 | 0.67 | 2.01 | 2.17 | 0.79 | 0.70 | 1.12 | 1.16 | 12.08 |
| 1993 | 0.94 | 1.82 | 0.22 | 0.00 | 0.20 | 0.44 | 0.23 | 3.05 | 0.49 | 0.64 | 0.97 | 0.03 | 9.03 |
| 1994 | 0.02 | 0.26 | 0.59 | 0.07 | 1.87 | 0.28 | 0.61 | 2.70 | 1.21 | 1.54 | 1.38 | 0.62 | 11.15 |
| 1995 | 0.55 | 0.39 | 0.16 | 0.69 | 0.08 | 0.20 | 0.35 | 0.74 | 2.32 | 0.00 | 0.03 | 0.17 | 5.68 |
| 1996 | 0.17 | 0.19 | 0.02 | 0.00 | 0.02 | 2.86 | 1.03 | 1.54 | 1.45 | 1.52 | 0.95 | 0.00 | 9.75 |
| 1997 | 0.55 | 0.12 | 0.11 | 1.65 | 0.42 | 1.03 | 2.04 | 1.96 | 2.43 | 0.32 | 0.73 | 1.00 | 12.36 |
| 1998 | 0.14 | 0.66 | 2.34 | 0.64 | 0.00 | 0.17 | 2.37 | 0.88 | 0.15 | 1.80 | 0.46 | 0.22 | 9.83 |
| 1999 | 0.12 | 0.00 | 1.10 | 0.59 | 0.54 | 0.60 | 1.47 | 3.04 | 0.54 | 0.26 | 0.00 | 0.03 | 8.29 |
| 2000 | 0.30 | 0.30 | 1.27 | 0.00 | 0.07 | 0.72 | 0.83 | 0.57 | 0.37 | 2.66 | 0.91 | 0.24 | 8.24 |
| 2001 | 0.28 | 0.27 | 0.27 | 0.51 | 0.38 | 0.26 | 1.37 | 1.59 | 0.51 | 0.14 | 0.68 | 0.24 | 6.50 |
| 2002 | 0.34 | 0.07 | 0.00 | 0.39 | 0.02 | 0.18 | 0.88 | 1.59 | 1.53 | 0.54 | 0.49 | 0.36 | 6.39 |
| 2003 | 0.00 | 1.02 | 1.45 | 0.00 | 0.09 | 0.20 | 0.41 | 0.71 | 0.29 | 1.58 | 0.49 | 0.11 | 6.35 |
| 2004 | 0.10 | 1.17 | 0.67 | 3.00 | 0.00 | 0.61 | 2.25 | 0.23 | 0.97 | 1.13 | 1.37 | 0.30 | 11.80 |
| 2005 | 1.38 | 1.78 | 1.12 | 1.17 | 0.40 | 0.09 | 1.03 | 0.49 | 2.83 | 1.03 | 0.00 | 0.10 | 11.42 |
| 2006 | 0.04 | 0.00 | 0.14 | 0.13 | 0.00 | 1.14 | 3.55 | 3.74 | 1.10 | 1.70 | 0.02 | 1.50 | 13.06 |
| 2007 | 0.18 | 0.70 | 0.64 | 1.06 | 2.00 | 0.66 | 1.63 | 1.05 | 0.73 | 0.17 | 0.25 | 1.14 | 10.21 |
| 2008 | 0.39 | 0.41 | 0.00 | 0.11 | 0.18 | 0.50 | 3.38 | 1.04 | 0.08 | 1.38 | 0.23 | 0.65 | 8.35 |
| Average | 0.39 | 0.46 | 0.54 | 0.50 | 0.51 | 0.57 | 1.40 | 1.51 | 0.94 | 0.91 | 0.47 | 0.49 | 8.69 |
| 1948-2004 Av | 0.38 | 0.44 | 0.55 | 0.49 | 0.50 | 0.57 | 1.33 | 1.50 | 0.92 | 0.89 | 0.49 | 0.47 | 8.54 |
| 1991-2005 Av | 0.41 | 0.55 | 0.67 | 0.60 | 0.47 | 0.60 | 1.30 | 1.50 | 1.15 | 0.94 | 0.77 | 0.40 | 9.36 |

Appendix A

Albuquerque, NM NOAA Weather Station (29023) Frost Dates

| Year | Spring 28 | Spring 32 | Fall 32 | Fall 28 |
|----------------|-------------|-------------|--------------|-------------|
| 1948 | 3/22 | 4/2 | 11/5 | 11/9 |
| 1949 | 4/2 | 4/10 | 10/20 | 10/21 |
| 1950 | 3/14 | 3/29 | 11/4 | 11/9 |
| 1951 | 4/11 | 4/13 | 10/24 | 11/2 |
| 1952 | 3/23 | 3/28 | 11/4 | 11/17 |
| 1953 | 4/13 | 4/13 | 11/9 | 11/18 |
| 1954 | 3/19 | 3/27 | 11/7 | 11/29 |
| 1955 | 4/4 | 4/9 | 11/3 | 11/8 |
| 1956 | 3/28 | 4/19 | 10/30 | 11/2 |
| 1957 | 3/25 | 4/8 | 11/7 | 11/18 |
| 1958 | 4/6 | 4/6 | 10/22 | 11/17 |
| 1959 | 3/21 | 4/10 | 11/5 | 11/6 |
| 1960 | 3/18 | 4/3 | 11/9 | 11/10 |
| 1961 | 4/15 | 4/25 | 11/3 | 11/3 |
| 1962 | 3/31 | 4/7 | 11/8 | 11/19 |
| 1963 | 3/19 | 4/19 | 11/17 | 11/17 |
| 1964 | 3/27 | 4/26 | 11/4 | 11/12 |
| 1965 | 4/11 | 4/15 | 11/12 | 11/27 |
| 1966 | 4/5 | 4/21 | 11/1 | 11/10 |
| 1967 | 5/1 | 5/2 | 10/30 | 10/31 |
| 1968 | 3/22 | 4/24 | 10/18 | 10/18 |
| 1969 | 3/26 | 4/27 | 10/13 | 10/30 |
| 1970 | 4/15 | 4/30 | 10/9 | 10/28 |
| 1971 | 4/1 | 4/22 | 10/18 | 10/19 |
| 1972 | 4/15 | 4/27 | 10/31 | 11/1 |
| 1973 | 4/9 | 4/21 | 10/11 | 11/15 |
| 1974 | 4/4 | 4/5 | 10/31 | 11/4 |
| 1975 | 5/7 | 5/7 | 10/24 | 10/24 |
| 1976 | 4/17 | 5/1 | 10/8 | 10/19 |
| 1977 | 4/4 | 4/5 | 11/2 | 11/9 |
| 1978 | 3/17 | 5/2 | 11/13 | 11/28 |
| 1979 | 4/13 | 4/13 | 10/22 | 10/31 |
| 1980 | 4/14 | 4/24 | 10/16 | 10/17 |
| 1981 | 4/5 | 4/6 | 10/26 | 11/19 |
| 1982 | 4/8 | 5/7 | 10/10 | 10/29 |
| 1983 | 4/13 | 4/15 | 11/9 | 11/15 |
| 1984 | 4/26 | 4/27 | 10/16 | 11/10 |
| 1985 | 3/31 | 4/1 | 11/2 | 11/14 |
| 1986 | 3/20 | 4/27 | 10/12 | 11/8 |
| 1987 | 3/31 | 4/7 | 11/12 | 11/17 |
| 1988 | 4/2 | 4/2 | 11/13 | 11/16 |
| 1989 | 4/10 | 4/10 | 10/30 | 10/31 |
| 1990 | 3/17 | 3/18 | 10/22 | 11/5 |
| 1991 | 4/14 | 4/29 | 10/28 | 10/29 |
| 1992 | 2/25 | 3/20 | 11/2 | 11/5 |
| 1993 | 4/9 | 4/20 | 10/28 | 10/29 |
| 1994 | 3/28 | 4/6 | 11/14 | 11/18 |
| 1995 | 3/26 | 4/18 | 11/11 | 11/28 |
| 1996 | 4/6 | 4/6 | 10/21 | 10/21 |
| 1997 | 4/12 | 4/26 | 10/25 | 10/25 |
| 1998 | 4/19 | 4/26 | 11/9 | 11/10 |
| 1999 | 3/13 | 4/16 | 10/18 | 11/23 |
| 2000 | 4/2 | 4/2 | 11/7 | 11/8 |
| 2001 | 2/17 | 3/15 | 11/20 | 11/24 |
| 2002 | 3/17 | 3/25 | 11/7 | 11/16 |
| 2003 | 3/29 | 3/30 | 10/26 | 11/23 |
| 2004 | 3/1 | 3/6 | 11/2 | 11/27 |
| 2005 | 4/1 | 4/10 | 11/16 | 11/16 |
| 2006 | 3/21 | 3/23 | 11/11 | 11/29 |
| 2007 | 3/6 | 4/14 | 11/22 | 11/24 |
| 2008 | 3/18 | 5/2 | 10/23 | 11/15 |
| Average | 3/31 | 4/12 | 10/30 | 11/9 |
| 1948-2004 Av | 3/31 | 4/12 | 10/29 | 11/8 |
| 1991-2005 Av | 3/25 | 4/6 | 11/3 | 11/11 |

Appendix A

Black Rock, NM NOAA Weather Station (291018) Average of Maximum Temperature

| Year | Values in Degrees F | | | | | | | | | | | | Annual |
|----------------|---------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | |
| 1914 | 43.4 | 48.4 | 55.3 | 60.2 | 72.9 | 81.9 | 80.2 | 83.5 | 77.9 | 64.8 | 60.1 | 40.5 | 64.1 |
| 1915 | 39.3 | 44.1 | 51.7 | 62.3 | 68.0 | 79.5 | 82.3 | 83.6 | 75.8 | 71.1 | 55.6 | 44.8 | 63.2 |
| 1916 | 41.9 | 51.7 | 60.1 | 64.9 | 72.4 | 84.3 | 84.0 | 81.4 | 77.6 | 65.2 | 54.6 | 44.3 | 65.2 |
| 1917 | 54.0 | 50.7 | 58.6 | 66.6 | 71.6 | 86.5 | 88.9 | 87.0 | 81.9 | 74.0 | 62.0 | 55.1 | 69.7 |
| 1918 | 40.5 | 48.1 | 56.9 | 63.1 | 71.6 | 87.4 | 85.4 | 83.2 | 81.5 | 67.7 | 50.5 | 38.9 | 64.6 |
| 1919 | 39.7 | 40.7 | 53.0 | 66.2 | 75.6 | 89.6 | 88.4 | 88.1 | 78.9 | 64.0 | 56.9 | 50.4 | 66.0 |
| 1920 | 48.4 | 50.2 | 54.3 | 59.1 | 74.1 | 83.6 | 86.5 | 84.3 | 79.4 | 65.3 | 56.4 | 44.6 | 65.5 |
| 1921 | 49.2 | 52.3 | 60.7 | 62.7 | 73.3 | 83.6 | 83.9 | 81.7 | 81.6 | 73.1 | 61.9 | 51.2 | 67.9 |
| 1922 | 43.5 | 48.2 | 54.5 | 59.9 | 74.1 | 88.0 | 88.2 | 84.6 | 80.3 | 64.9 | 49.0 | 47.5 | 65.2 |
| 1923 | 49.9 | 47.7 | 50.1 | 61.8 | 74.6 | 83.8 | 87.5 | 80.0 | 74.2 | 63.8 | 52.2 | 42.6 | 64.0 |
| 1924 | 44.4 | 53.0 | 48.9 | 61.2 | 75.0 | 87.7 | 86.1 | 87.6 | 81.4 | 68.8 | 60.8 | 40.2 | 66.3 |
| 1925 | 40.3 | 52.8 | 60.1 | 68.5 | 77.5 | 80.5 | 86.7 | 81.3 | 76.4 | 66.4 | 52.1 | 45.9 | 65.7 |
| 1926 | 41.0 | 52.4 | 54.1 | 60.3 | 70.4 | 84.8 | 84.5 | 87.7 | 79.7 | 71.8 | 58.4 | 42.2 | 65.6 |
| 1927 | 49.5 | 50.7 | 54.0 | 64.5 | 74.9 | 81.5 | 88.0 | 83.8 | 75.4 | 69.8 | 60.2 | 42.0 | 66.2 |
| 1928 | 50.8 | 47.3 | 59.1 | 63.2 | 73.6 | 83.9 | 88.9 | 85.1 | 76.6 | 70.5 | 53.8 | 46.2 | 66.6 |
| 1929 | 44.6 | 42.4 | 54.0 | 62.1 | 73.4 | 86.0 | 84.8 | 82.0 | 77.5 | 68.4 | 54.2 | 54.5 | 65.3 |
| 1930 | 40.6 | 53.9 | 54.4 | 69.7 | 69.7 | 87.6 | 85.8 | 86.2 | 79.9 | 71.1 | 52.2 | 44.7 | 66.3 |
| 1931 | 44.1 | 48.0 | 57.0 | 65.5 | 74.6 | 85.6 | 89.6 | 86.1 | 79.9 | 71.2 | 57.8 | 37.2 | 66.4 |
| 1932 | 36.7 | 49.4 | 54.7 | 67.3 | 73.3 | 83.5 | 86.2 | 85.3 | 80.2 | 69.0 | 62.7 | 39.9 | 65.7 |
| 1933 | 37.8 | 42.5 | 59.5 | 60.3 | 70.4 | 85.6 | 88.0 | 81.0 | 77.4 | 63.2 | 51.8 | 45.0 | 63.5 |
| 1934 | 43.4 | 50.3 | 59.2 | 65.1 | 76.0 | 80.5 | 83.8 | 79.3 | 73.6 | 72.8 | 55.5 | 49.9 | 65.8 |
| 1935 | 46.3 | 48.8 | 54.1 | 63.6 | 65.8 | 84.7 | 87.5 | 84.0 | 78.3 | 69.6 | 55.8 | 47.0 | 65.4 |
| 1936 | 45.2 | 46.2 | 57.1 | 67.1 | 77.0 | 86.6 | 87.4 | 84.5 | 73.9 | 66.7 | 56.8 | 46.8 | 66.3 |
| 1937 | 33.7 | 44.4 | 52.8 | 65.2 | 75.8 | 82.1 | 86.2 | 87.7 | 81.8 | 71.5 | 59.3 | 49.4 | 65.8 |
| 1938 | 48.6 | 48.6 | 54.6 | 66.5 | 72.3 | 84.0 | 86.9 | 86.1 | 78.2 | 70.6 | 53.8 | 49.5 | 66.7 |
| 1939 | 42.4 | 38.3 | 55.9 | 67.3 | 76.3 | 85.4 | 88.7 | 87.5 | 79.5 | 65.9 | 56.2 | 48.5 | 66.0 |
| 1940 | 41.3 | 45.8 | 58.3 | 63.3 | 75.7 | 83.8 | 86.4 | 80.0 | 72.3 | 64.5 | 47.9 | 43.9 | 63.6 |
| 1941 | 39.0 | 46.7 | 50.8 | 53.5 | 68.3 | 74.8 | 80.0 | 78.9 | 73.1 | 58.5 | 49.6 | 40.9 | 59.5 |
| 1942 | 38.4 | 42.8 | 51.0 | 63.7 | 71.7 | 83.9 | 86.7 | 79.3 | 79.0 | 64.3 | 56.9 | 50.2 | 64.0 |
| 1943 | 47.6 | 55.9 | 56.9 | 70.7 | 76.2 | 83.2 | 87.7 | 85.1 | 80.2 | 69.0 | 59.9 | 47.4 | 68.3 |
| 1944 | 45.5 | 49.4 | 54.3 | 61.5 | 72.9 | 83.8 | 86.1 | 87.3 | 79.8 | 70.4 | 53.3 | 47.2 | 66.0 |
| 1945 | 45.5 | 51.5 | 52.2 | 65.0 | 75.8 | 83.0 | 88.8 | 87.1 | 82.3 | 70.3 | 57.7 | 43.4 | 66.9 |
| 1946 | 41.1 | 50.8 | 58.5 | 72.0 | 73.8 | 87.9 | 88.0 | 79.6 | 78.6 | 65.6 | 55.3 | 52.9 | 67.0 |
| 1947 | 43.2 | 55.0 | 58.7 | 65.7 | 77.1 | 82.9 | 90.0 | 78.5 | 82.5 | 71.2 | 49.1 | 46.2 | 66.7 |
| 1948 | 48.6 | 46.1 | 47.9 | 68.4 | 76.8 | 84.4 | 89.4 | 87.5 | 82.3 | 68.2 | 53.3 | 47.5 | 66.7 |
| 1949 | 37.0 | 44.6 | 56.0 | 65.9 | 74.5 | 83.2 | | | | | | | |
| Average | 43.5 | 48.3 | 55.3 | 64.3 | 73.5 | 84.1 | 86.5 | 83.9 | 78.5 | 68.1 | 55.5 | 46.0 | 65.6 |

Appendix A

Black Rock, NM NOAA Weather Station (291018) Average of Minimum Temperature

| Year | Values in Degrees F | | | | | | | | | | | | Annual |
|----------------|---------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | |
| 1914 | 13.5 | 20.3 | 25.0 | 34.2 | 41.7 | 50.0 | 54.9 | 54.2 | 48.9 | 37.4 | 27.7 | 20.2 | 35.7 |
| 1915 | 12.7 | 20.2 | 23.9 | 36.0 | 37.4 | 45.3 | 54.5 | 53.1 | 45.4 | 32.5 | 24.3 | 16.3 | 33.5 |
| 1916 | 18.7 | 21.3 | 29.3 | 34.3 | 36.0 | 44.6 | 55.5 | 54.9 | 47.0 | 37.0 | 20.0 | 13.4 | 34.3 |
| 1917 | 15.1 | 19.9 | 21.3 | 29.1 | 35.5 | 45.4 | 56.1 | 51.1 | 46.1 | 30.9 | 21.5 | 13.7 | 32.1 |
| 1918 | 2.4 | 17.2 | 27.5 | 29.2 | 33.5 | 49.1 | 53.1 | 50.3 | 43.6 | 35.2 | 21.5 | 12.1 | 31.2 |
| 1919 | -2.9 | 6.4 | 17.3 | 25.8 | 33.8 | 41.0 | 50.1 | 47.4 | 42.2 | 26.0 | 16.0 | 12.2 | 26.3 |
| 1920 | 13.2 | 18.9 | 16.9 | 19.2 | 30.6 | 43.3 | 54.6 | 45.1 | 45.3 | 32.7 | 24.0 | 12.2 | 29.7 |
| 1921 | 21.4 | 17.9 | 29.2 | 27.9 | 37.2 | 47.1 | 56.5 | 55.9 | 47.3 | 38.2 | 23.5 | 24.0 | 35.5 |
| 1922 | 15.0 | 20.6 | 23.7 | 30.4 | 38.8 | 49.8 | 56.3 | 57.0 | 48.7 | 34.6 | 24.3 | 24.3 | 35.3 |
| 1923 | 21.0 | 22.6 | 24.8 | 32.7 | 39.1 | 43.1 | 56.0 | 54.6 | 45.7 | 33.8 | 28.2 | 21.2 | 35.2 |
| 1924 | 12.3 | 22.8 | 23.9 | 31.2 | 38.8 | 47.9 | 56.1 | 53.1 | 46.5 | 33.9 | 23.8 | 12.7 | 33.6 |
| 1925 | 4.8 | 24.3 | 26.9 | 33.2 | 40.5 | 48.8 | 56.7 | 53.7 | 47.4 | 37.7 | 24.4 | 18.4 | 34.7 |
| 1926 | 10.7 | 23.0 | 28.9 | 36.4 | 41.5 | 48.8 | 54.2 | 53.5 | 49.2 | 37.9 | 25.6 | 13.9 | 35.3 |
| 1927 | 22.2 | 28.9 | 26.4 | 32.7 | 38.1 | 47.4 | 57.2 | 53.9 | 50.4 | 35.2 | 28.2 | 14.3 | 36.2 |
| 1928 | 16.1 | 22.5 | 28.5 | 30.4 | 43.6 | 46.5 | 55.5 | 54.2 | 46.7 | 37.6 | 28.2 | 16.5 | 35.5 |
| 1929 | 16.7 | 16.5 | 25.5 | 30.2 | 40.5 | 46.5 | 57.0 | 56.1 | 49.9 | 38.1 | 19.8 | 16.4 | 34.4 |
| 1930 | 14.1 | 23.1 | 25.3 | 35.0 | 37.2 | 48.4 | 56.8 | 54.6 | 45.1 | 33.0 | 22.7 | 13.9 | 34.1 |
| 1931 | 9.8 | 28.0 | 24.5 | 35.1 | 40.1 | 48.6 | 56.7 | 54.4 | 50.3 | 37.4 | 25.0 | 5.4 | 34.6 |
| 1932 | 2.7 | 22.0 | 26.1 | 31.3 | 39.8 | 45.3 | 55.5 | 55.3 | 45.1 | 33.5 | 20.8 | 9.9 | 32.3 |
| 1933 | 8.1 | 8.1 | 24.9 | 26.8 | 33.8 | 48.5 | 57.5 | 56.5 | 51.6 | 40.3 | 24.7 | 21.4 | 33.5 |
| 1934 | 18.3 | 27.3 | 29.1 | 35.4 | 45.8 | 45.4 | 56.5 | 56.7 | 45.6 | 37.9 | 23.2 | 20.3 | 36.8 |
| 1935 | 21.9 | 23.6 | 26.9 | 33.4 | 38.5 | 47.1 | 55.4 | 56.6 | 46.0 | 34.6 | 22.2 | 20.1 | 35.5 |
| 1936 | 12.6 | 24.4 | 26.1 | 33.8 | 40.7 | 48.5 | 54.9 | 54.4 | 47.4 | 35.1 | 24.1 | 14.9 | 34.7 |
| 1937 | 1.2 | 15.8 | 24.7 | 27.7 | 37.5 | 44.9 | 52.5 | 53.7 | 48.0 | 35.7 | 22.7 | 21.2 | 32.1 |
| 1938 | 17.7 | 24.6 | 26.6 | 29.8 | 35.5 | 47.4 | 52.5 | 51.3 | 46.6 | 34.8 | 14.1 | 18.3 | 33.3 |
| 1939 | 14.2 | 5.7 | 23.8 | 34.4 | 40.6 | 45.0 | 51.2 | 51.1 | 48.4 | 29.3 | 25.2 | 16.2 | 32.1 |
| 1940 | 18.4 | 21.9 | 26.4 | 31.2 | 37.9 | 47.4 | 54.1 | 52.5 | 48.4 | 37.9 | 25.2 | 24.4 | 35.5 |
| 1941 | 22.0 | 27.2 | 27.0 | 30.5 | 40.0 | 44.4 | 52.1 | 51.0 | 43.5 | 35.5 | 23.0 | 22.7 | 34.9 |
| 1942 | 15.6 | 18.5 | 22.7 | 33.7 | 36.7 | 43.5 | 53.5 | 52.4 | 43.4 | 32.8 | 25.0 | 22.8 | 33.4 |
| 1943 | 20.4 | 23.8 | 27.5 | 33.4 | 39.1 | 45.3 | 53.4 | 55.9 | 45.2 | 33.3 | 22.2 | 18.3 | 34.8 |
| 1944 | 12.0 | 21.4 | 22.0 | 28.4 | 37.0 | 44.1 | 51.8 | 51.0 | 43.4 | 38.0 | 24.0 | 17.0 | 32.5 |
| 1945 | 16.5 | 23.0 | 23.5 | 26.3 | 35.3 | 39.1 | 52.3 | 54.2 | 41.5 | 35.4 | 20.7 | 12.1 | 31.7 |
| 1946 | 13.2 | 14.7 | 27.7 | 36.0 | 37.2 | 46.8 | 51.3 | 54.1 | 48.4 | 32.0 | 22.5 | 18.5 | 33.5 |
| 1947 | 10.0 | 21.0 | 23.3 | 26.8 | 39.1 | 43.2 | 52.7 | 53.3 | 45.4 | 33.4 | 17.6 | 18.0 | 32.0 |
| 1948 | 10.6 | 14.7 | 15.3 | 28.7 | 36.5 | 47.8 | 53.6 | 53.2 | 46.2 | 35.8 | 17.6 | 14.8 | 31.2 |
| 1949 | 12.2 | 14.0 | 25.0 | 32.0 | 38.1 | 46.8 | | | | | | | |
| Average | 13.5 | 20.2 | 24.9 | 31.2 | 38.1 | 46.2 | 54.5 | 53.4 | 46.6 | 35.0 | 23.0 | 16.9 | 33.6 |

Appendix A

Black Rock, NM NOAA Weather Station (291018) Average Monthly Temperature

| Year | Values in Degrees F | | | | | | | | | | | | Annual |
|----------------|---------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | |
| 1914 | 28.4 | 34.3 | 40.2 | 47.2 | 57.3 | 65.9 | 67.5 | 68.9 | 63.4 | 51.1 | 43.9 | 30.4 | 49.9 |
| 1915 | 26.0 | 32.1 | 37.8 | 49.2 | 52.7 | 62.4 | 68.4 | 68.4 | 60.6 | 51.8 | 40.0 | 30.5 | 48.3 |
| 1916 | 30.3 | 36.5 | 44.7 | 49.6 | 54.2 | 64.4 | 69.8 | 68.1 | 62.3 | 51.1 | 37.3 | 28.9 | 49.8 |
| 1917 | 34.5 | 35.3 | 39.9 | 47.8 | 53.6 | 66.0 | 72.5 | 69.0 | 64.0 | 52.4 | 41.8 | 34.4 | 50.9 |
| 1918 | 21.5 | 32.6 | 42.2 | 46.1 | 52.5 | 68.3 | 69.3 | 66.7 | 62.5 | 51.5 | 36.0 | 25.5 | 47.9 |
| 1919 | 18.4 | 23.6 | 35.1 | 46.0 | 54.7 | 65.3 | 69.2 | 67.7 | 60.5 | 45.0 | 36.5 | 31.3 | 46.1 |
| 1920 | 30.8 | 34.6 | 35.6 | 39.2 | 52.4 | 63.4 | 70.6 | 64.7 | 62.4 | 49.0 | 40.2 | 28.4 | 47.6 |
| 1921 | 35.3 | 35.1 | 44.9 | 45.3 | 55.3 | 65.4 | 70.2 | 68.8 | 64.5 | 55.6 | 42.7 | 37.6 | 51.7 |
| 1922 | 29.3 | 34.4 | 39.1 | 45.2 | 56.4 | 68.9 | 72.2 | 70.8 | 64.5 | 49.8 | 36.6 | 35.9 | 50.3 |
| 1923 | 35.5 | 35.1 | 37.5 | 47.2 | 56.8 | 63.5 | 71.7 | 67.3 | 59.9 | 48.8 | 40.2 | 31.9 | 49.6 |
| 1924 | 28.3 | 37.9 | 36.4 | 46.2 | 56.9 | 67.8 | 71.1 | 70.4 | 63.9 | 51.4 | 42.3 | 26.5 | 49.9 |
| 1925 | 22.5 | 38.5 | 43.5 | 50.8 | 59.0 | 64.7 | 71.7 | 67.5 | 61.9 | 52.0 | 38.2 | 32.1 | 50.2 |
| 1926 | 25.9 | 37.7 | 41.5 | 48.4 | 55.9 | 66.8 | 69.4 | 70.6 | 64.5 | 54.9 | 42.0 | 28.0 | 50.5 |
| 1927 | 35.8 | 39.8 | 40.2 | 48.6 | 56.5 | 64.5 | 72.6 | 68.9 | 62.9 | 52.5 | 44.2 | 28.1 | 51.2 |
| 1928 | 33.4 | 34.9 | 43.8 | 46.8 | 58.6 | 65.2 | 72.2 | 69.6 | 61.7 | 54.1 | 41.0 | 31.3 | 51.1 |
| 1929 | 30.6 | 29.5 | 39.8 | 46.2 | 57.0 | 66.3 | 70.9 | 69.1 | 63.7 | 53.2 | 37.0 | 35.4 | 49.9 |
| 1930 | 27.4 | 38.5 | 39.9 | 52.3 | 53.4 | 68.0 | 71.3 | 70.4 | 62.5 | 52.1 | 37.5 | 29.3 | 50.2 |
| 1931 | 27.0 | 38.0 | 40.8 | 50.3 | 57.3 | 67.1 | 73.2 | 70.2 | 65.1 | 54.3 | 41.4 | 21.3 | 50.5 |
| 1932 | 19.7 | 35.7 | 40.4 | 49.3 | 56.6 | 64.4 | 70.8 | 70.3 | 62.7 | 51.2 | 41.8 | 24.9 | 49.0 |
| 1933 | 23.0 | 25.3 | 42.2 | 43.5 | 52.1 | 67.1 | 72.7 | 68.8 | 64.5 | 51.8 | 38.3 | 33.2 | 48.5 |
| 1934 | 30.9 | 38.8 | 44.1 | 50.2 | 60.9 | 63.0 | 70.2 | 68.0 | 59.6 | 55.4 | 39.3 | 35.1 | 51.3 |
| 1935 | 34.1 | 36.2 | 40.5 | 48.5 | 52.1 | 65.9 | 71.4 | 70.3 | 62.1 | 52.1 | 39.0 | 33.6 | 50.5 |
| 1936 | 28.9 | 35.3 | 41.6 | 50.5 | 58.9 | 67.6 | 71.1 | 69.4 | 60.7 | 50.9 | 40.5 | 30.8 | 50.5 |
| 1937 | 17.5 | 30.1 | 38.8 | 46.5 | 56.7 | 63.5 | 69.3 | 70.7 | 64.9 | 53.6 | 41.0 | 35.3 | 49.0 |
| 1938 | 33.2 | 36.6 | 40.6 | 48.1 | 53.9 | 65.7 | 69.7 | 68.7 | 62.4 | 52.7 | 34.0 | 33.9 | 50.0 |
| 1939 | 28.3 | 22.0 | 39.9 | 50.9 | 58.5 | 65.2 | 70.0 | 69.3 | 64.0 | 47.6 | 40.7 | 32.3 | 49.0 |
| 1940 | 29.9 | 33.9 | 42.3 | 47.3 | 56.8 | 65.6 | 70.2 | 66.2 | 60.4 | 51.2 | 36.5 | 34.1 | 49.5 |
| 1941 | 30.5 | 36.9 | 38.9 | 42.0 | 54.2 | 59.6 | 66.1 | 64.9 | 58.3 | 47.0 | 36.3 | 31.8 | 47.2 |
| 1942 | 27.0 | 30.6 | 36.9 | 48.7 | 54.2 | 63.7 | 70.1 | 65.8 | 61.2 | 48.6 | 41.0 | 36.5 | 48.7 |
| 1943 | 34.0 | 39.8 | 42.2 | 52.0 | 57.7 | 64.3 | 70.6 | 70.5 | 62.7 | 51.2 | 41.1 | 32.9 | 51.6 |
| 1944 | 28.7 | 35.4 | 38.1 | 44.9 | 55.0 | 64.0 | 69.0 | 69.1 | 61.6 | 54.2 | 38.7 | 32.1 | 49.2 |
| 1945 | 31.0 | 37.3 | 37.9 | 45.7 | 55.5 | 61.1 | 70.5 | 70.7 | 61.9 | 52.9 | 39.2 | 27.7 | 49.3 |
| 1946 | 27.2 | 32.8 | 43.1 | 54.0 | 55.5 | 67.4 | 69.7 | 66.9 | 63.5 | 48.8 | 38.9 | 35.7 | 50.3 |
| 1947 | 26.6 | 38.0 | 41.0 | 46.3 | 58.1 | 63.1 | 71.4 | 65.9 | 63.9 | 52.3 | 33.3 | 32.1 | 49.3 |
| 1948 | 29.6 | 30.4 | 31.6 | 48.5 | 56.6 | 66.1 | 71.5 | 70.3 | 64.3 | 52.0 | 35.5 | 31.2 | 49.0 |
| 1949 | 24.6 | 29.3 | 40.5 | 49.0 | 56.3 | 65.0 | | | | | | | |
| Average | 28.5 | 34.2 | 40.1 | 47.7 | 55.8 | 65.2 | 70.5 | 68.7 | 62.6 | 51.5 | 39.2 | 31.4 | 49.6 |

Appendix A

Black Rock, NM NOAA Weather Station (291018) Total Monthly Precipitation

B

| Year | Values in Inches | | | | | | | | | | | | Annual |
|----------------|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | |
| 1914 | 0.02 | 0.40 | 0.40 | 0.98 | 1.01 | 0.58 | 5.29 | 3.78 | 0.68 | 1.69 | 0.14 | 2.41 | 17.38 |
| 1915 | 1.24 | 0.87 | 1.21 | 2.15 | 2.18 | 1.28 | 3.70 | 2.51 | 1.40 | 0.01 | 0.78 | 1.18 | 18.51 |
| 1916 | 3.40 | 0.33 | 1.60 | 0.33 | 0.42 | 0.02 | 3.38 | 2.12 | 1.71 | 3.91 | 0.00 | 0.30 | 17.52 |
| 1917 | 1.09 | 0.56 | 0.11 | 0.68 | 1.19 | 0.07 | 1.55 | 0.24 | 0.77 | 0.12 | 0.00 | 0.00 | 6.38 |
| 1918 | 1.45 | 0.87 | 0.40 | 0.25 | 0.13 | 0.49 | 2.16 | 2.00 | 0.09 | 1.14 | 0.94 | 0.64 | 10.56 |
| 1919 | 0.05 | 0.85 | 1.38 | 0.67 | 0.79 | 0.00 | 5.39 | 0.92 | 3.57 | 0.41 | 1.17 | 1.74 | 16.94 |
| 1920 | 1.28 | 1.29 | 1.54 | 0.75 | 0.37 | 0.67 | 0.15 | 0.72 | 0.80 | 0.73 | 0.10 | 0.65 | 9.05 |
| 1921 | 0.36 | 0.61 | 0.26 | 0.40 | 0.15 | 1.04 | 5.84 | 2.55 | 0.28 | 0.46 | 0.00 | 1.45 | 13.40 |
| 1922 | 0.89 | 0.34 | 0.41 | 0.82 | 0.38 | 0.14 | 0.98 | 2.61 | 0.26 | 0.19 | 1.16 | 1.00 | 9.18 |
| 1923 | 0.89 | 0.52 | 1.65 | 0.67 | 0.46 | 0.00 | 1.71 | 3.19 | 3.41 | 0.63 | 1.76 | 1.30 | 16.19 |
| 1924 | 0.12 | 0.54 | 1.65 | 0.65 | 0.01 | 0.04 | 1.33 | 0.76 | 0.61 | 0.47 | 0.16 | 1.05 | 7.39 |
| 1925 | 0.20 | 0.48 | 1.28 | 0.49 | 0.14 | 0.83 | 2.65 | 1.91 | 1.98 | 1.19 | 0.47 | 0.18 | 11.80 |
| 1926 | 0.62 | 0.48 | 2.44 | 1.33 | 1.78 | 0.23 | 1.98 | 0.45 | 1.89 | 0.39 | 0.15 | 1.95 | 13.69 |
| 1927 | 0.33 | 2.36 | 1.26 | 0.45 | 0.20 | 1.31 | 2.18 | 1.51 | 3.64 | 0.19 | 0.20 | 1.21 | 14.84 |
| 1928 | 0.09 | 0.80 | 0.17 | 0.49 | 1.60 | 0.13 | 2.04 | 1.52 | 0.50 | 1.35 | 0.59 | 0.58 | 9.86 |
| 1929 | 0.44 | 0.90 | 0.42 | 0.56 | 0.21 | 0.00 | 6.25 | 2.59 | 3.01 | 1.30 | 0.15 | 0.01 | 15.84 |
| 1930 | 0.75 | 0.61 | 1.03 | 1.16 | 0.77 | 0.55 | 1.71 | 1.70 | 0.10 | 0.22 | 1.58 | 0.19 | 10.37 |
| 1931 | 0.51 | 1.09 | 0.85 | 1.10 | 0.12 | 0.82 | 3.29 | 1.75 | 2.17 | 1.33 | 2.97 | 0.84 | 16.84 |
| 1932 | 1.23 | 1.73 | 0.82 | 1.19 | 0.08 | 0.08 | 3.64 | 1.98 | 0.28 | 0.67 | 0.00 | 1.09 | 12.79 |
| 1933 | 1.15 | 0.05 | 0.05 | 0.80 | 0.25 | 0.77 | 2.94 | 0.92 | 1.70 | 2.22 | 1.44 | 0.17 | 12.46 |
| 1934 | 0.39 | 1.95 | 0.02 | 1.13 | 1.70 | 0.33 | 1.18 | 3.68 | 1.01 | 0.23 | 1.02 | 1.57 | 14.21 |
| 1935 | 1.65 | 1.31 | 0.76 | 0.53 | 1.27 | 0.02 | 1.15 | 2.14 | 0.61 | 0.05 | 0.96 | 0.98 | 11.43 |
| 1936 | 0.69 | 1.77 | 0.80 | 0.14 | 0.68 | 0.49 | 1.14 | 4.15 | 1.13 | 1.15 | 0.43 | 1.32 | 13.89 |
| 1937 | 1.07 | 0.96 | 1.19 | 0.29 | 0.77 | 0.89 | 3.15 | 0.61 | 1.19 | 0.98 | 0.06 | 0.44 | 11.60 |
| 1938 | 0.23 | 1.51 | 1.35 | 0.78 | 0.42 | 1.36 | 0.35 | 0.80 | 1.30 | 0.21 | 0.05 | 0.51 | 8.87 |
| 1939 | 0.99 | 0.81 | 0.27 | 0.88 | 0.02 | 0.00 | 0.75 | 0.66 | 1.39 | 0.54 | 1.13 | 0.40 | 7.84 |
| 1940 | 1.02 | 1.54 | 0.93 | 0.81 | 0.49 | 0.67 | 1.00 | 2.09 | 2.89 | 1.46 | 1.64 | 2.72 | 17.26 |
| 1941 | 2.14 | 1.69 | 3.01 | 1.86 | 1.19 | 0.35 | 1.09 | 1.16 | 3.34 | 2.06 | 0.85 | 0.79 | 19.53 |
| 1942 | 0.70 | 0.93 | 0.64 | 0.71 | 0.00 | 0.00 | 0.99 | 1.59 | 1.26 | 1.32 | 0.17 | 1.29 | 9.60 |
| 1943 | 0.73 | 0.26 | 1.02 | 0.48 | 0.48 | 1.17 | 1.02 | 1.64 | 0.54 | 1.26 | 0.00 | 0.78 | 9.38 |
| 1944 | 0.32 | 0.74 | 0.39 | 0.26 | 0.49 | 0.06 | 1.62 | 1.89 | 1.48 | 0.75 | 1.00 | 0.43 | 9.43 |
| 1945 | 0.73 | 0.37 | 1.04 | 0.17 | 0.00 | 0.10 | 1.53 | 2.27 | 0.05 | 0.98 | 0.00 | 1.39 | 8.63 |
| 1946 | 0.69 | 0.18 | 0.41 | 0.19 | 0.00 | 0.00 | 1.07 | 4.90 | 1.82 | 0.46 | 1.16 | 0.39 | 11.27 |
| 1947 | 0.51 | 0.29 | 0.08 | 0.12 | 1.40 | 0.52 | 1.43 | 2.28 | 0.36 | 1.24 | 0.02 | 0.16 | 8.41 |
| 1948 | 0.30 | 1.17 | 1.57 | 0.30 | 0.34 | 0.64 | 1.27 | 0.73 | 1.49 | 1.55 | 0.10 | 1.14 | 10.60 |
| 1949 | 1.63 | 0.43 | 0.77 | 0.50 | 0.11 | 1.21 | | | | | | | |
| Average | 0.83 | 0.88 | 0.92 | 0.70 | 0.60 | 0.47 | 2.20 | 1.89 | 1.39 | 0.94 | 0.64 | 0.92 | 12.37 |

Appendix A

Black Rock, NM NOAA Weather Station (29101) Frost Dates

| Year | Spring 28 | Spring 32 | Fall 32 | Fall 28 |
|----------------|------------|-------------|-------------|--------------|
| 1914 | 4/23 | 5/3 | 10/14 | 11/12 |
| 1915 | 5/3 | 5/8 | 9/26 | 10/12 |
| 1916 | 4/20 | 5/27 | 10/16 | 10/20 |
| 1917 | 4/30 | 6/2 | 9/27 | 10/18 |
| 1918 | 5/31 | 5/31 | 9/25 | 10/26 |
| 1919 | 6/3 | 6/5 | 10/1 | 10/2 |
| 1920 | 5/16 | 6/1 | 10/11 | 10/11 |
| 1921 | 5/19 | 6/1 | 10/18 | 10/26 |
| 1922 | 5/12 | 5/13 | 10/16 | 10/16 |
| 1923 | 5/1 | 5/2 | 9/28 | 10/18 |
| 1924 | 4/27 | 5/16 | 9/27 | 10/3 |
| 1925 | 5/12 | 6/7 | 10/14 | 10/25 |
| 1926 | 3/30 | 5/11 | 10/23 | 10/24 |
| 1927 | 5/9 | 5/24 | 10/2 | 11/3 |
| 1928 | 4/26 | 4/26 | 10/15 | 10/15 |
| 1929 | 5/2 | 5/29 | 10/22 | 10/24 |
| 1930 | 5/10 | 5/17 | 10/3 | 10/12 |
| 1931 | 4/10 | 5/20 | 10/12 | 10/27 |
| 1932 | 4/28 | 6/2 | 10/5 | 10/19 |
| 1933 | 5/15 | 5/23 | 10/17 | 11/2 |
| 1934 | 4/9 | 4/10 | 10/20 | 10/24 |
| 1935 | 4/26 | 5/4 | 10/17 | 10/20 |
| 1936 | 6/1 | 6/5 | 10/4 | 11/2 |
| 1937 | 5/1 | 5/11 | 10/17 | 10/19 |
| 1938 | 5/7 | 5/28 | 10/9 | 10/10 |
| 1939 | 4/18 | 6/18 | 10/4 | 10/5 |
| 1940 | 4/28 | 5/7 | 10/29 | 10/29 |
| 1941 | 4/23 | 6/9 | 9/23 | 10/25 |
| 1942 | 5/3 | 5/17 | 10/4 | 10/15 |
| 1943 | 5/17 | 5/19 | 10/5 | 10/13 |
| 1944 | 5/5 | 6/4 | 10/1 | 11/9 |
| 1945 | 5/21 | 6/1 | 9/25 | 9/30 |
| 1946 | 4/10 | 5/31 | 10/7 | 10/7 |
| 1947 | 4/28 | 5/13 | 10/15 | 10/22 |
| 1948 | 5/2 | 5/12 | 10/7 | 10/7 |
| 1949 | 4/18 | 5/21 | | |
| Average | 5/2 | 5/21 | 10/8 | 10/19 |

Appendix A

El Morro Nat'l Monument, NM NOAA Weather Station (292785) Average of Maximum Temperature

| Year | Values in Degrees F | | | | | | | | | | | | Annual |
|----------------|---------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | |
| 1938 | 43.2 | 46.7 | 51.9 | 63.5 | 69.7 | 81.8 | 84.4 | 84.1 | 74.2 | 68.5 | 51.9 | 47.6 | 64.0 |
| 1939 | 40.2 | 35.5 | 51.9 | 64.4 | 73.1 | 82.4 | 86.2 | 84.2 | 76.2 | 65.7 | 54.6 | 48.6 | 63.6 |
| 1940 | 41.5 | 44.4 | 55.6 | 62.6 | 75.3 | 83.3 | 86.5 | 82.4 | 72.9 | 67.4 | 52.2 | 48.2 | 64.4 |
| 1941 | 41.3 | 45.9 | 50.1 | 53.8 | 70.0 | 76.6 | 83.4 | 80.3 | 75.1 | 62.2 | 54.5 | 42.2 | 61.3 |
| 1942 | 44.5 | 44.8 | 50.5 | 63.7 | 75.3 | 83.7 | 89.0 | 82.9 | 80.0 | 65.7 | 60.7 | 48.4 | 65.8 |
| 1943 | 46.6 | 54.0 | 54.7 | 69.4 | 74.3 | 82.2 | 86.5 | 82.7 | 78.2 | 66.8 | 58.2 | 45.4 | 66.6 |
| 1944 | 44.4 | 46.6 | 52.2 | 60.1 | 72.1 | 82.2 | 85.7 | 86.1 | 76.8 | 67.1 | 49.2 | 45.7 | 64.0 |
| 1945 | 42.8 | 49.5 | 49.9 | 62.7 | 73.9 | 80.9 | 87.0 | 85.5 | 79.0 | 67.8 | 56.7 | 41.5 | 64.8 |
| 1946 | 39.8 | 46.2 | 55.8 | 69.7 | 71.0 | 86.0 | 84.9 | 79.6 | 75.9 | 64.0 | 53.3 | 51.1 | 64.8 |
| 1947 | 42.1 | 51.8 | 55.8 | 62.9 | 75.0 | 79.9 | 87.8 | 78.0 | 78.7 | 68.9 | 49.1 | 42.3 | 64.4 |
| 1948 | 47.9 | 45.3 | 46.9 | 67.3 | 74.7 | 82.5 | 88.8 | 83.4 | 80.1 | 66.6 | 49.5 | 46.9 | 65.0 |
| 1949 | 36.7 | 42.2 | 54.3 | 65.3 | 73.4 | 81.0 | 83.0 | 83.7 | 79.0 | 64.2 | 62.7 | 43.2 | 64.1 |
| 1950 | 44.3 | 49.6 | 55.7 | 66.7 | 72.7 | 84.9 | 82.2 | 84.5 | 74.4 | 75.7 | 59.9 | 53.3 | 67.0 |
| 1951 | 44.0 | 46.1 | 53.1 | 61.4 | 73.3 | 82.5 | 88.8 | 82.1 | 80.4 | 65.6 | 51.6 | 41.6 | 64.2 |
| 1952 | 43.4 | 43.6 | 45.2 | 61.6 | 72.9 | 83.1 | 85.0 | 83.4 | 79.4 | 73.6 | 47.0 | 40.8 | 63.2 |
| 1953 | 46.4 | 45.9 | 54.1 | 61.3 | 67.3 | 85.3 | 86.3 | 83.7 | 82.6 | 67.6 | 55.7 | 39.8 | 64.7 |
| 1954 | 45.5 | 54.5 | 51.0 | 69.4 | 73.8 | 84.1 | 86.2 | 80.6 | 77.3 | 69.6 | 59.3 | 46.4 | 66.5 |
| 1955 | 38.1 | 40.0 | 54.4 | 62.6 | 70.0 | 81.0 | 83.4 | 79.1 | 80.7 | 70.8 | 54.0 | 47.3 | 63.5 |
| 1956 | 47.7 | 38.9 | 56.7 | 61.3 | 76.2 | 85.0 | 84.7 | 81.6 | 83.3 | 68.6 | 51.5 | 46.3 | 65.1 |
| 1957 | 43.5 | 52.8 | 50.9 | 59.4 | 66.2 | 82.1 | 82.9 | 78.6 | 79.0 | 61.1 | 45.4 | 47.5 | 62.4 |
| 1958 | 43.3 | 48.4 | 45.7 | 60.1 | 76.3 | 85.3 | 85.8 | 84.6 | 76.4 | 66.5 | 53.6 | 52.2 | 64.8 |
| 1959 | 46.3 | 46.0 | 54.3 | 64.6 | 73.5 | 85.5 | 88.3 | 79.4 | 77.0 | 64.4 | 54.2 | 45.6 | 64.9 |
| 1960 | 37.5 | 39.0 | 55.2 | 64.7 | 71.5 | 83.9 | 85.9 | 86.2 | 80.4 | 62.5 | 55.2 | 39.6 | 63.5 |
| 1961 | 45.0 | 47.4 | 52.7 | 63.0 | 74.5 | 86.7 | 86.4 | 81.2 | 73.8 | 64.4 | 47.5 | 39.9 | 63.5 |
| 1962 | 39.8 | 46.5 | 46.9 | 66.9 | 72.3 | 81.6 | 84.6 | 86.2 | 75.9 | 65.8 | 55.1 | 46.8 | 64.0 |
| 1963 | 37.4 | 47.6 | 52.8 | 63.9 | 76.0 | 82.0 | 87.4 | 77.7 | 76.6 | 69.3 | 52.7 | 45.7 | 64.1 |
| 1964 | 40.4 | 38.4 | 45.6 | 57.7 | 72.1 | 81.0 | 85.5 | 79.7 | 73.5 | 69.9 | 51.7 | 40.2 | 61.3 |
| 1965 | 43.5 | 43.2 | 48.6 | 60.5 | 68.1 | 76.5 | 82.1 | 83.4 | 72.9 | 70.2 | 56.0 | 44.0 | 62.4 |
| 1966 | 39.4 | 39.2 | 54.7 | 63.2 | 74.5 | 80.7 | 87.2 | 82.1 | 74.6 | 67.0 | 57.7 | 43.2 | 63.6 |
| 1967 | 43.7 | 50.1 | 59.1 | 63.4 | 71.1 | 77.8 | 84.3 | 79.0 | 74.7 | 69.8 | 57.1 | 36.9 | 63.9 |
| 1968 | 41.7 | 48.3 | 52.4 | 58.7 | 69.7 | 82.3 | 82.5 | 77.4 | 74.8 | 68.3 | 49.5 | 41.3 | 62.2 |
| 1969 | 44.5 | 44.9 | 47.2 | 64.9 | 73.7 | 81.4 | 86.1 | 84.9 | 76.6 | 62.6 | 51.8 | 47.5 | 63.9 |
| 1970 | 43.8 | 50.8 | 49.8 | 57.8 | 74.2 | 82.1 | 86.6 | 83.5 | 76.3 | 60.2 | 56.0 | 47.6 | 64.0 |
| 1971 | 46.3 | 47.4 | 57.0 | 62.9 | 70.6 | 83.7 | 88.6 | 80.3 | 75.9 | 61.6 | 53.4 | 41.1 | 64.1 |
| 1972 | 47.3 | 54.0 | 64.2 | 66.6 | 73.7 | 81.0 | 87.5 | 81.2 | 74.8 | 62.6 | 45.8 | 43.3 | 65.2 |
| 1973 | 39.8 | 42.5 | 45.1 | 55.1 | 69.1 | 80.8 | 84.4 | 83.7 | 76.5 | 70.1 | 55.8 | 47.1 | 62.5 |
| 1974 | 41.5 | 47.6 | 59.5 | 63.8 | 77.3 | 87.8 | 84.2 | 81.2 | 75.6 | 63.2 | 53.6 | 42.3 | 64.8 |
| 1975 | 42.6 | 42.7 | 51.4 | 57.0 | 69.2 | 81.2 | 83.2 | 83.1 | 71.9 | 69.1 | 56.6 | 43.6 | 62.6 |
| 1976 | 42.8 | 53.1 | 54.2 | 63.3 | 72.1 | 83.5 | 85.4 | 82.5 | 76.3 | 66.6 | 54.9 | 48.1 | 65.2 |
| 1977 | 40.0 | 48.1 | 51.9 | 65.3 | 71.2 | 85.4 | 84.2 | 85.4 | 77.7 | 69.7 | 56.0 | 50.7 | 65.5 |
| 1978 | 42.2 | 44.6 | 56.7 | 65.5 | 70.8 | 84.5 | 88.8 | 84.3 | 79.1 | 71.2 | 52.5 | 41.5 | 65.2 |
| 1979 | 36.7 | 45.0 | 49.7 | 63.4 | 68.0 | 80.6 | 87.5 | 81.6 | 81.7 | 72.0 | 47.7 | 48.9 | 63.6 |
| 1980 | 42.7 | 48.6 | 51.1 | 62.5 | 70.4 | 87.1 | 89.5 | 83.6 | 79.6 | 69.5 | 56.7 | 55.1 | 66.4 |
| 1981 | 50.0 | 52.7 | 50.0 | 67.1 | 71.0 | 85.9 | 84.7 | 83.9 | 77.3 | 65.4 | 59.8 | 50.4 | 66.5 |
| 1982 | 41.9 | 45.1 | 52.7 | 63.3 | 70.7 | 82.2 | 84.2 | 80.5 | 76.1 | 66.4 | 50.7 | 41.9 | 63.0 |
| 1983 | 44.8 | 46.0 | 48.7 | 55.7 | 71.8 | 79.8 | 85.0 | 83.7 | 79.1 | 65.5 | 52.3 | 44.5 | 63.1 |
| 1984 | 45.3 | 49.7 | 56.0 | 59.8 | 79.1 | 82.0 | 85.7 | 80.1 | 76.0 | 55.5 | 52.5 | 44.5 | 63.8 |
| 1985 | 41.3 | 43.7 | 52.1 | 66.5 | 73.1 | 86.4 | 86.6 | 84.7 | 74.2 | 66.8 | 52.3 | 48.0 | 64.6 |
| 1986 | 54.8 | 50.7 | 57.5 | 63.2 | 72.5 | 80.8 | 80.5 | 83.0 | 74.0 | 63.3 | 51.3 | 43.0 | 64.6 |
| 1987 | 42.5 | 43.8 | 49.0 | 64.8 | 68.3 | 81.4 | 83.6 | 80.0 | 75.5 | 69.1 | 51.2 | 42.0 | 62.6 |
| 1988 | 41.1 | 49.2 | 55.0 | 62.6 | 72.2 | 81.3 | 83.2 | 77.8 | 75.1 | 70.8 | 52.5 | 44.1 | 63.8 |
| 1989 | 41.9 | 49.3 | 61.4 | 70.8 | 76.7 | 84.0 | 85.6 | 80.2 | 78.4 | 65.4 | 54.4 | 47.0 | 66.3 |
| 1990 | 44.2 | 45.6 | 55.0 | 63.4 | 71.3 | 87.0 | 81.2 | 79.5 | 77.2 | 66.3 | 54.0 | 39.7 | 63.7 |
| 1991 | 39.9 | 50.7 | 49.3 | 63.1 | 74.1 | 78.6 | 82.6 | 81.1 | 75.9 | 68.6 | 50.2 | 41.8 | 63.0 |
| 1992 | 39.7 | 46.0 | 54.2 | 67.1 | 67.5 | 78.9 | 81.1 | 80.0 | 77.9 | 68.3 | 45.8 | 41.1 | 62.3 |
| 1993 | 43.1 | 44.8 | 55.2 | 64.3 | 71.6 | 81.9 | 84.8 | 78.5 | 76.7 | 63.6 | 50.0 | 46.3 | 63.4 |
| 1994 | 47.2 | 45.4 | 56.2 | 62.4 | 72.5 | 85.3 | 86.5 | 84.4 | 75.6 | 62.9 | 49.9 | 46.6 | 64.6 |
| 1995 | 41.7 | 53.6 | 55.7 | 59.5 | 68.7 | 80.2 | 85.4 | 84.7 | 75.9 | 69.5 | 58.0 | 47.0 | 65.0 |
| 1996 | 46.9 | 51.9 | 55.9 | 65.6 | 78.7 | 84.3 | 85.6 | 83.1 | 71.8 | 63.9 | 53.3 | 45.6 | 65.6 |
| 1997 | 39.9 | 46.8 | 59.6 | 58.2 | 73.5 | 79.7 | 83.0 | 80.9 | 77.2 | 64.8 | 50.7 | 38.9 | 62.8 |
| 1998 | 43.9 | 39.6 | 50.8 | 59.2 | 72.9 | 80.8 | 83.1 | 81.5 | 79.8 | 65.5 | 55.2 | 47.6 | 63.3 |
| 1999 | 49.1 | 54.0 | 60.2 | 60.8 | 71.3 | 80.6 | 80.2 | 79.8 | 75.8 | 70.4 | 68.7 | 44.8 | 66.3 |
| 2000 | 46.9 | 53.5 | 54.8 | 67.9 | 79.7 | 83.5 | 86.7 | 84.8 | 80.3 | 61.6 | 43.7 | 46.2 | 65.8 |
| 2001 | 39.8 | 50.4 | 54.1 | 64.9 | 75.1 | 84.5 | 84.4 | 80.7 | 79.3 | 69.5 | 53.5 | 43.0 | 64.9 |
| 2002 | 42.5 | 48.9 | 56.2 | 69.1 | 75.6 | 87.0 | 84.6 | 83.7 | 74.4 | 62.8 | 53.1 | 39.7 | 64.8 |
| 2003 | 50.3 | 44.7 | 52.1 | 63.9 | 74.7 | 82.9 | 90.7 | 82.0 | 78.5 | 71.8 | 52.3 | 47.2 | 65.9 |
| 2004 | 43.2 | 42.9 | 60.9 | 60.3 | 75.5 | 82.8 | 84.6 | 79.8 | 74.8 | 64.2 | 48.9 | 45.5 | 63.6 |
| 2005 | 46.2 | 44.3 | 50.3 | 63.7 | 74.5 | 81.4 | 88.3 | 80.2 | 77.9 | 66.6 | 57.5 | 47.9 | 64.9 |
| 2006 | 48.6 | 53.5 | 52.5 | 68.5 | 78.0 | 86.1 | 84.3 | 76.1 | 67.7 | 59.5 | 52.5 | 39.6 | 63.9 |
| 2007 | 37.1 | 43.0 | 55.3 | 60.4 | 67.6 | 82.8 | 86.0 | 82.6 | 77.5 | 68.4 | 60.4 | 40.6 | 63.5 |
| 2008 | 38.8 | 44.7 | 55.5 | 63.8 | 71.1 | 83.3 | 82.5 | 81.8 | 76.3 | 67.3 | 55.8 | 43.8 | 63.7 |
| Average | 43.2 | 46.8 | 53.3 | 63.2 | 72.7 | 82.6 | 85.3 | 81.9 | 76.8 | 66.6 | 53.5 | 44.9 | 64.2 |
| 1991-2005 Av | 44.0 | 47.8 | 55.0 | 63.3 | 73.7 | 82.2 | 84.8 | 81.7 | 76.8 | 66.3 | 52.7 | 44.6 | 64.4 |

Appendix A

El Morro Nat'l Monument, NM NOAA Weather Station (292785) Average of Minimum Temperature

| Year | Values in Degrees F | | | | | | | | | | | | Annual |
|----------------|---------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | |
| 1938 | 13.3 | 17.7 | 25.2 | 28.8 | 33.6 | 46.0 | 50.2 | 48.9 | 43.6 | 33.4 | 12.4 | 17.2 | 30.9 |
| 1939 | 10.6 | 3.6 | 22.8 | 32.0 | 35.9 | 43.8 | 52.0 | 51.0 | 46.8 | 29.3 | 25.7 | 16.5 | 30.8 |
| 1940 | 14.6 | 20.3 | 24.5 | 30.0 | 36.2 | 46.1 | 52.4 | 50.4 | 45.6 | 35.3 | 22.9 | 22.2 | 33.4 |
| 1941 | 18.8 | 23.4 | 26.1 | 29.0 | 38.5 | 41.2 | 48.5 | 49.7 | 42.4 | 34.2 | 22.3 | 21.7 | 33.0 |
| 1942 | 13.0 | 16.1 | 19.8 | 33.7 | 32.2 | 39.0 | 49.5 | 49.2 | 40.6 | 32.1 | 21.4 | 18.9 | 30.5 |
| 1943 | 17.5 | 20.7 | 24.1 | 28.4 | 33.5 | 42.9 | 51.2 | 51.9 | 41.8 | 30.6 | 17.9 | 17.0 | 31.5 |
| 1944 | 9.5 | 19.4 | 20.0 | 26.3 | 33.1 | 40.4 | 49.2 | 49.0 | 41.8 | 37.2 | 21.0 | 14.5 | 30.1 |
| 1945 | 14.5 | 21.7 | 21.7 | 24.9 | 32.1 | 36.7 | 50.8 | 52.3 | 40.8 | 33.9 | 16.2 | 7.7 | 29.4 |
| 1946 | 6.5 | 11.2 | 24.1 | 31.5 | 33.0 | 42.8 | 50.7 | 54.1 | 52.9 | 30.3 | 21.2 | 12.7 | 30.9 |
| 1947 | 4.5 | 18.7 | 22.5 | 27.1 | 39.0 | 42.4 | 52.4 | 53.4 | 45.1 | 33.4 | 16.6 | 14.5 | 30.8 |
| 1948 | 10.8 | 17.9 | 16.5 | 28.8 | 36.7 | 43.5 | 51.4 | 50.8 | 42.6 | 32.5 | 13.5 | 13.2 | 29.9 |
| 1949 | 9.1 | 9.0 | 21.3 | 25.8 | 31.8 | 43.6 | 52.4 | 47.1 | 45.2 | 30.0 | 20.5 | 8.3 | 28.7 |
| 1950 | 14.4 | 20.2 | 22.8 | 29.6 | 32.6 | 40.6 | 51.3 | 44.6 | 38.7 | 35.9 | 21.5 | 15.4 | 30.6 |
| 1951 | 13.3 | 18.0 | 21.5 | 28.8 | 35.8 | 39.0 | 53.1 | 52.0 | 40.8 | 32.9 | 21.1 | 13.7 | 30.8 |
| 1952 | 21.9 | 17.4 | 20.3 | 31.0 | 38.3 | 45.1 | 49.3 | 51.9 | 44.2 | 29.6 | 18.7 | 14.8 | 31.9 |
| 1953 | 18.7 | 15.6 | 24.1 | 28.4 | 32.2 | 45.4 | 53.6 | 47.8 | 42.1 | 32.3 | 22.2 | 7.8 | 30.8 |
| 1954 | 15.7 | 20.6 | 21.0 | 30.4 | 37.9 | 42.8 | 53.5 | 50.2 | 45.3 | 33.4 | 21.5 | 14.3 | 32.2 |
| 1955 | 10.6 | 6.3 | 21.9 | 26.4 | 36.1 | 43.3 | 51.5 | 53.8 | 41.3 | 32.9 | 20.8 | 20.0 | 30.4 |
| 1956 | 21.8 | 6.9 | 21.1 | 26.6 | 36.1 | 46.9 | 49.8 | 46.2 | 41.6 | 33.2 | 13.5 | 8.6 | 29.4 |
| 1957 | 23.1 | 27.0 | 25.5 | 27.2 | 36.4 | 45.1 | 53.3 | 51.2 | 39.6 | 35.2 | 21.2 | 17.9 | 33.5 |
| 1958 | 15.5 | 22.8 | 23.0 | 28.1 | 37.7 | 46.3 | 50.0 | 51.2 | 44.9 | 32.9 | 19.2 | 14.9 | 32.2 |
| 1959 | 12.0 | 17.8 | 18.1 | 29.7 | 33.7 | 47.3 | 51.5 | 51.4 | 40.2 | 30.5 | 20.8 | 19.4 | 31.0 |
| 1960 | 5.1 | 12.3 | 25.0 | 28.5 | 34.2 | 44.2 | 51.1 | 50.5 | 43.3 | 31.1 | 21.1 | 13.9 | 30.0 |
| 1961 | 11.5 | 17.4 | 23.7 | 26.9 | 33.8 | 45.4 | 51.5 | 51.7 | 40.4 | 30.3 | 23.5 | 10.1 | 30.5 |
| 1962 | 8.5 | 20.0 | 18.9 | 30.8 | 31.9 | 40.8 | 50.0 | 47.2 | 44.1 | 32.2 | 24.8 | 14.4 | 30.3 |
| 1963 | 3.1 | 17.5 | 21.8 | 26.7 | 36.2 | 40.8 | 52.9 | 51.2 | 46.8 | 35.5 | 25.0 | 11.6 | 30.7 |
| 1964 | 6.5 | 4.4 | 16.4 | 25.3 | 34.1 | 41.3 | 52.6 | 49.7 | 43.3 | 30.8 | 20.6 | 13.3 | 28.2 |
| 1965 | 19.2 | 13.0 | 21.0 | 28.4 | 33.7 | 39.8 | 52.3 | 49.8 | 39.8 | 28.5 | 24.7 | 15.2 | 30.5 |
| 1966 | 9.0 | 7.3 | 20.8 | 28.1 | 37.7 | 43.6 | 52.0 | 50.3 | 44.0 | 31.2 | 24.5 | 13.5 | 30.2 |
| 1967 | 8.4 | 17.6 | 24.8 | 27.7 | 33.2 | 44.6 | 54.7 | 49.5 | 43.9 | 29.5 | 22.8 | 10.5 | 30.6 |
| 1968 | 7.9 | 22.6 | 24.3 | 26.9 | 33.6 | 42.0 | 51.1 | 48.3 | 39.1 | 30.9 | 22.5 | 9.2 | 29.9 |
| 1969 | 20.2 | 19.4 | 17.6 | 29.0 | 36.5 | 40.7 | 53.5 | 53.1 | 45.3 | 32.2 | 21.8 | 20.4 | 32.5 |
| 1970 | 14.2 | 21.3 | 22.6 | 23.1 | 33.6 | 43.1 | 52.6 | 50.9 | 41.2 | 27.8 | 21.8 | 13.9 | 30.5 |
| 1971 | 10.0 | 15.1 | 21.9 | 26.2 | 31.1 | 42.3 | 51.7 | 49.0 | 40.0 | 32.2 | 22.2 | 16.4 | 29.8 |
| 1972 | 15.1 | 16.7 | 24.0 | 25.2 | 32.3 | 44.5 | 51.5 | 50.0 | 42.2 | 38.5 | 22.5 | 12.8 | 31.3 |
| 1973 | 8.9 | 18.5 | 24.5 | 26.0 | 36.2 | 41.8 | 49.7 | 48.9 | 38.8 | 29.8 | 21.4 | 15.4 | 30.0 |
| 1974 | 15.1 | 13.6 | 25.7 | 26.3 | 34.8 | 46.8 | 51.0 | 47.7 | 42.4 | 37.5 | 22.2 | 10.0 | 31.1 |
| 1975 | 10.5 | 17.1 | 22.1 | 24.2 | 31.7 | 38.5 | 52.5 | 48.0 | 43.4 | 29.5 | 15.9 | 10.5 | 28.7 |
| 1976 | 7.2 | 21.7 | 20.8 | 28.0 | 37.0 | 41.4 | 52.1 | 49.2 | 44.7 | 27.9 | 16.7 | 10.9 | 29.8 |
| 1977 | 5.4 | 15.3 | 19.0 | 27.7 | 32.9 | 42.7 | 51.9 | 51.0 | 44.6 | 32.4 | 21.9 | 18.2 | 30.3 |
| 1978 | 18.2 | 19.5 | 26.5 | 28.7 | 33.0 | 41.6 | 48.6 | 44.8 | 40.3 | 32.5 | 25.9 | 12.2 | 31.0 |
| 1979 | 11.5 | 10.8 | 22.2 | 29.8 | 35.9 | 43.8 | 49.2 | 46.9 | 43.8 | 31.5 | 20.6 | 13.8 | 30.0 |
| 1980 | 21.6 | 22.6 | 23.8 | 26.9 | 32.4 | 41.8 | 51.3 | 50.1 | 42.7 | 27.0 | 18.0 | 19.3 | 31.5 |
| 1981 | 19.2 | 16.2 | 24.0 | 30.9 | 35.9 | 46.6 | 52.0 | 50.5 | 43.4 | 32.6 | 20.8 | 15.6 | 32.3 |
| 1982 | 11.3 | 17.9 | 25.1 | 27.9 | 33.7 | 38.7 | 49.7 | 52.4 | 46.0 | 27.2 | 25.0 | 16.5 | 31.0 |
| 1983 | 12.5 | 18.5 | 27.3 | 26.6 | 33.1 | 39.4 | 49.4 | 49.9 | 45.7 | 35.2 | 20.9 | 22.1 | 31.7 |
| 1984 | 13.6 | 16.3 | 20.6 | 25.9 | 36.5 | 44.5 | 52.2 | 51.0 | 43.9 | 31.2 | 22.0 | 21.7 | 31.6 |
| 1985 | 16.2 | 9.9 | 25.9 | 30.5 | 36.5 | 43.3 | 52.7 | 49.1 | 39.2 | 32.4 | 23.3 | 14.5 | 31.1 |
| 1986 | 18.8 | 22.9 | 26.1 | 31.0 | 34.7 | 44.9 | 51.5 | 52.0 | 40.2 | 31.9 | 24.8 | 19.6 | 33.2 |
| 1987 | 11.9 | 19.2 | 19.3 | 29.4 | 36.2 | 43.2 | 46.4 | 50.6 | 39.2 | 32.8 | 22.4 | 14.5 | 30.4 |
| 1988 | 9.9 | 20.6 | 20.9 | 27.7 | 36.3 | 46.6 | 52.1 | 52.9 | 39.6 | 32.5 | 20.4 | 14.3 | 31.1 |
| 1989 | 11.6 | 22.3 | 23.6 | 29.5 | 36.3 | 40.7 | 51.6 | 49.0 | 41.3 | 31.4 | 18.2 | 8.7 | 30.4 |
| 1990 | 8.7 | 17.8 | 25.1 | 33.0 | 34.5 | 45.1 | 52.7 | 47.6 | 47.0 | 30.1 | 21.9 | 8.2 | 31.0 |
| 1991 | 10.9 | 20.4 | 23.2 | 24.9 | 32.6 | 40.6 | 51.3 | 51.1 | 43.7 | 30.5 | 23.1 | 19.4 | 31.0 |
| 1992 | 10.8 | 23.7 | 26.0 | 30.5 | 40.5 | 41.1 | 48.4 | 48.9 | 41.4 | 32.0 | 15.2 | 13.5 | 31.0 |
| 1993 | 21.1 | 23.8 | 25.3 | 26.5 | 37.1 | 41.5 | 48.2 | 51.0 | 39.2 | 31.1 | 20.2 | 13.7 | 31.6 |
| 1994 | 10.8 | 17.0 | 25.7 | 29.8 | 35.8 | 44.5 | 50.6 | 52.2 | 42.6 | 29.4 | 22.5 | 20.2 | 31.7 |
| 1995 | 15.2 | 24.9 | 25.3 | 26.3 | 32.7 | 39.4 | 48.1 | 54.3 | 43.7 | 27.8 | 23.0 | 15.4 | 31.3 |
| 1996 | 13.7 | 24.0 | 20.9 | 27.8 | 35.0 | 45.3 | 51.9 | 49.8 | 39.9 | 31.8 | 23.4 | 15.9 | 31.6 |
| 1997 | 14.0 | 19.2 | 22.1 | 28.8 | 37.6 | 41.7 | 49.9 | 51.7 | 49.4 | 30.0 | 22.9 | 12.6 | 31.7 |
| 1998 | 17.5 | 19.5 | 23.2 | 27.1 | 33.4 | 38.9 | 54.0 | 51.6 | 47.3 | 33.3 | 24.4 | 17.1 | 32.3 |
| 1999 | 16.1 | 18.8 | 24.4 | 26.7 | 35.2 | 42.3 | 52.9 | 51.8 | 42.6 | 28.0 | 24.1 | 10.8 | 31.1 |
| 2000 | 14.8 | 21.9 | 23.6 | 29.7 | 32.9 | 46.4 | 50.7 | 50.5 | 42.0 | 35.7 | 19.2 | 15.3 | 31.9 |
| 2001 | 12.2 | 18.2 | 25.8 | 30.0 | 37.3 | 44.0 | 52.9 | 52.0 | 44.0 | 32.8 | 24.6 | 12.9 | 32.2 |
| 2002 | 13.6 | 16.3 | 19.4 | 31.0 | 34.0 | 44.5 | 52.5 | 48.7 | 44.4 | 33.0 | 22.7 | 14.8 | 31.2 |
| 2003 | 21.8 | 20.8 | 23.1 | 24.8 | 37.2 | 44.9 | 52.8 | 53.6 | 43.0 | 34.9 | 23.0 | 15.5 | 33.0 |
| 2004 | 17.9 | 16.5 | 27.1 | 30.6 | 34.8 | 42.7 | 49.1 | 47.7 | 41.7 | 31.5 | 24.8 | 16.2 | 31.7 |
| 2005 | 24.4 | 25.6 | 25.4 | 28.2 | 36.2 | 41.1 | 49.0 | 50.3 | 44.4 | 34.5 | 19.9 | 12.6 | 32.6 |
| 2006 | 13.5 | 14.1 | 22.6 | 29.1 | 36.6 | 47.2 | 53.6 | 51.0 | 35.5 | 28.2 | 15.9 | 7.3 | 29.6 |
| 2007 | 7.2 | 15.0 | 21.3 | 26.4 | 35.0 | 44.4 | 52.1 | 52.6 | 44.4 | 31.4 | 23.4 | 15.6 | 30.7 |
| 2008 | 9.9 | 17.1 | 22.7 | 23.6 | 32.8 | 43.6 | 52.8 | 51.0 | 41.4 | 29.7 | 22.1 | 14.7 | 30.1 |
| Average | 13.3 | 17.7 | 22.8 | 28.1 | 34.9 | 42.9 | 51.3 | 50.3 | 42.8 | 31.9 | 21.2 | 14.6 | 31.0 |
| 1991-2005 Av | 15.7 | 20.7 | 24.0 | 28.2 | 35.5 | 42.6 | 50.8 | 51.0 | 43.3 | 31.7 | 22.2 | 15.1 | 31.7 |

Appendix A

El Morro Nat'l Monument, NM NOAA Weather Station (292785)

Average Monthly Temperature

| Year | Values in Degrees F | | | | | | | | | | | | Annual |
|----------------|---------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | |
| 1938 | 28.25 | 32.20 | 38.57 | 46.13 | 51.65 | 63.90 | 67.29 | 66.53 | 58.92 | 50.90 | 32.15 | 32.44 | 47.4 |
| 1939 | 25.39 | 19.55 | 37.37 | 48.17 | 54.52 | 63.08 | 69.11 | 67.61 | 61.48 | 47.52 | 40.13 | 32.58 | 47.2 |
| 1940 | 28.10 | 32.38 | 40.06 | 46.30 | 55.71 | 64.73 | 69.48 | 66.42 | 59.22 | 51.37 | 37.53 | 35.19 | 48.9 |
| 1941 | 30.06 | 34.64 | 38.10 | 41.42 | 54.24 | 58.93 | 65.92 | 65.02 | 58.75 | 48.23 | 38.38 | 31.97 | 47.1 |
| 1942 | 28.77 | 30.41 | 35.15 | 48.72 | 53.73 | 61.35 | 69.27 | 66.02 | 60.33 | 48.90 | 41.05 | 33.65 | 48.1 |
| 1943 | 32.06 | 37.36 | 39.39 | 48.92 | 53.87 | 62.53 | 68.84 | 67.34 | 60.02 | 48.71 | 38.03 | 31.23 | 49.0 |
| 1944 | 26.92 | 33.00 | 36.06 | 43.18 | 52.60 | 61.33 | 67.44 | 67.53 | 59.32 | 52.13 | 35.08 | 30.08 | 47.1 |
| 1945 | 28.68 | 35.61 | 35.81 | 43.82 | 52.98 | 58.78 | 68.92 | 68.94 | 59.92 | 50.82 | 36.45 | 24.61 | 47.1 |
| 1946 | 23.16 | 28.71 | 39.95 | 50.63 | 52.03 | 64.37 | 67.81 | 66.85 | 64.40 | 47.13 | 37.24 | 31.91 | 47.8 |
| 1947 | 23.29 | 35.23 | 39.19 | 44.97 | 56.98 | 61.13 | 70.06 | 65.67 | 61.92 | 51.13 | 32.87 | 28.37 | 47.6 |
| 1948 | 29.37 | 31.60 | 31.69 | 48.08 | 55.69 | 62.98 | 70.06 | 67.10 | 61.34 | 49.58 | 31.48 | 30.06 | 47.4 |
| 1949 | 22.93 | 25.58 | 37.82 | 45.52 | 52.56 | 62.30 | 67.68 | 65.37 | 62.12 | 47.08 | 41.60 | 25.78 | 46.4 |
| 1950 | 29.35 | 34.89 | 39.24 | 48.15 | 52.66 | 62.72 | 66.74 | 64.55 | 56.57 | 55.81 | 40.70 | 34.35 | 48.8 |
| 1951 | 28.65 | 32.04 | 37.32 | 45.08 | 54.53 | 60.72 | 70.95 | 67.05 | 60.60 | 49.26 | 36.33 | 27.66 | 47.5 |
| 1952 | 32.66 | 30.48 | 32.73 | 46.33 | 55.60 | 64.12 | 67.15 | 67.61 | 61.82 | 51.61 | 32.85 | 27.82 | 47.6 |
| 1953 | 32.56 | 30.77 | 39.11 | 44.87 | 49.76 | 65.32 | 69.94 | 65.76 | 62.32 | 49.94 | 38.95 | 23.79 | 47.8 |
| 1954 | 30.56 | 37.55 | 35.98 | 49.92 | 55.85 | 63.47 | 69.87 | 65.42 | 61.27 | 51.50 | 40.38 | 30.34 | 49.3 |
| 1955 | 24.34 | 23.11 | 38.13 | 44.53 | 53.03 | 62.13 | 67.47 | 66.48 | 60.97 | 51.85 | 37.43 | 33.68 | 46.9 |
| 1956 | 34.76 | 22.88 | 38.87 | 43.97 | 56.15 | 65.92 | 67.24 | 63.90 | 62.43 | 50.89 | 32.48 | 27.42 | 47.2 |
| 1957 | 33.31 | 39.86 | 38.19 | 43.27 | 51.27 | 63.58 | 68.10 | 64.87 | 59.28 | 48.11 | 33.32 | 32.69 | 48.0 |
| 1958 | 29.37 | 35.55 | 34.35 | 44.12 | 57.02 | 65.78 | 67.90 | 67.89 | 60.67 | 49.71 | 36.38 | 33.56 | 48.5 |
| 1959 | 29.16 | 31.93 | 36.21 | 47.15 | 53.63 | 66.38 | 69.92 | 65.37 | 58.60 | 47.40 | 37.48 | 32.48 | 48.0 |
| 1960 | 21.31 | 25.66 | 40.11 | 46.58 | 52.84 | 64.07 | 68.52 | 68.34 | 61.85 | 46.79 | 38.13 | 26.74 | 46.7 |
| 1961 | 28.24 | 32.43 | 38.23 | 44.97 | 54.11 | 66.02 | 68.95 | 66.44 | 57.10 | 47.32 | 35.48 | 25.02 | 47.0 |
| 1962 | 24.15 | 33.25 | 32.89 | 48.85 | 52.13 | 61.20 | 67.27 | 66.69 | 60.02 | 48.98 | 39.92 | 30.58 | 47.2 |
| 1963 | 20.26 | 32.54 | 37.27 | 45.32 | 56.06 | 61.40 | 70.15 | 64.42 | 61.68 | 52.39 | 38.88 | 28.66 | 47.4 |
| 1964 | 23.42 | 21.45 | 31.00 | 41.53 | 53.10 | 61.15 | 69.05 | 64.73 | 58.42 | 50.37 | 36.15 | 26.76 | 44.8 |
| 1965 | 31.39 | 28.11 | 34.79 | 44.45 | 50.94 | 58.15 | 67.18 | 66.60 | 56.37 | 49.34 | 40.35 | 29.61 | 46.4 |
| 1966 | 24.19 | 23.25 | 37.73 | 45.68 | 56.10 | 62.12 | 69.60 | 66.19 | 59.30 | 49.08 | 41.12 | 28.39 | 46.9 |
| 1967 | 26.03 | 33.84 | 41.95 | 45.55 | 52.15 | 61.23 | 69.52 | 64.23 | 59.30 | 49.66 | 39.97 | 23.68 | 47.3 |
| 1968 | 24.77 | 35.45 | 38.34 | 42.82 | 51.66 | 62.17 | 66.84 | 62.82 | 56.95 | 49.58 | 35.98 | 25.27 | 46.1 |
| 1969 | 32.32 | 32.18 | 32.37 | 46.97 | 55.11 | 61.07 | 69.81 | 69.00 | 60.95 | 47.42 | 36.80 | 33.93 | 48.2 |
| 1970 | 29.03 | 36.00 | 36.23 | 40.43 | 53.87 | 62.58 | 69.60 | 67.19 | 58.72 | 43.98 | 38.90 | 30.77 | 47.3 |
| 1971 | 28.15 | 31.23 | 39.44 | 44.57 | 50.85 | 63.02 | 70.18 | 64.65 | 57.93 | 46.87 | 37.80 | 28.76 | 47.0 |
| 1972 | 31.21 | 35.33 | 44.10 | 45.90 | 53.00 | 62.73 | 69.50 | 65.58 | 58.47 | 50.53 | 34.15 | 28.03 | 48.2 |
| 1973 | 24.34 | 30.52 | 34.77 | 40.55 | 52.65 | 61.28 | 67.05 | 66.31 | 57.68 | 49.97 | 38.60 | 31.24 | 46.2 |
| 1974 | 28.31 | 30.63 | 42.60 | 45.05 | 56.06 | 67.30 | 67.56 | 64.42 | 58.97 | 50.35 | 37.87 | 26.11 | 47.9 |
| 1975 | 26.55 | 29.93 | 36.73 | 40.62 | 50.45 | 59.83 | 67.87 | 65.52 | 57.65 | 49.31 | 36.25 | 27.05 | 45.6 |
| 1976 | 24.97 | 37.38 | 37.52 | 45.65 | 54.56 | 62.45 | 68.71 | 65.85 | 60.52 | 47.26 | 35.82 | 29.50 | 47.5 |
| 1977 | 22.71 | 31.68 | 35.47 | 46.52 | 52.06 | 64.05 | 68.05 | 68.19 | 61.17 | 51.06 | 38.95 | 34.45 | 47.9 |
| 1978 | 30.21 | 32.02 | 41.61 | 47.10 | 51.92 | 63.05 | 68.74 | 64.53 | 59.73 | 51.82 | 39.23 | 26.89 | 48.1 |
| 1979 | 24.11 | 27.91 | 35.97 | 46.58 | 51.95 | 62.22 | 68.35 | 64.24 | 62.72 | 51.76 | 34.13 | 31.39 | 46.8 |
| 1980 | 32.16 | 35.57 | 37.47 | 44.70 | 51.35 | 64.48 | 70.42 | 66.87 | 61.15 | 48.26 | 37.35 | 37.21 | 48.9 |
| 1981 | 34.61 | 34.45 | 37.00 | 48.98 | 53.47 | 66.22 | 68.35 | 67.21 | 60.35 | 49.00 | 40.32 | 33.00 | 49.4 |
| 1982 | 26.61 | 31.52 | 38.94 | 45.58 | 52.19 | 60.45 | 66.92 | 66.44 | 61.05 | 46.79 | 37.85 | 29.18 | 47.0 |
| 1983 | 28.61 | 32.25 | 38.02 | 41.13 | 52.44 | 59.58 | 67.21 | 66.77 | 62.37 | 50.37 | 36.58 | 33.26 | 47.4 |
| 1984 | 29.44 | 32.98 | 38.29 | 42.87 | 57.77 | 63.25 | 68.97 | 65.55 | 59.95 | 43.39 | 37.27 | 33.10 | 47.7 |
| 1985 | 28.74 | 26.80 | 39.00 | 48.48 | 54.77 | 64.88 | 69.68 | 66.90 | 56.68 | 49.60 | 37.78 | 31.26 | 47.9 |
| 1986 | 36.81 | 36.77 | 41.77 | 47.12 | 53.63 | 62.83 | 66.02 | 67.50 | 57.12 | 47.61 | 38.07 | 31.27 | 48.9 |
| 1987 | 27.23 | 31.48 | 34.16 | 47.12 | 52.26 | 62.28 | 65.00 | 65.27 | 57.37 | 50.95 | 36.78 | 28.26 | 46.5 |
| 1988 | 25.52 | 34.90 | 37.97 | 45.15 | 54.26 | 63.95 | 67.61 | 65.39 | 57.38 | 51.61 | 36.43 | 29.21 | 47.4 |
| 1989 | 26.79 | 35.80 | 42.48 | 50.12 | 56.48 | 62.37 | 68.61 | 64.61 | 59.85 | 48.39 | 36.30 | 27.82 | 48.3 |
| 1990 | 26.45 | 31.71 | 40.05 | 48.20 | 52.90 | 66.03 | 66.94 | 63.53 | 62.07 | 48.16 | 37.93 | 23.97 | 47.3 |
| 1991 | 25.39 | 35.57 | 36.23 | 44.02 | 53.35 | 59.63 | 66.95 | 66.08 | 59.82 | 49.56 | 36.62 | 30.60 | 47.0 |
| 1992 | 25.26 | 34.81 | 40.11 | 48.80 | 53.95 | 60.00 | 64.73 | 64.44 | 59.65 | 50.16 | 30.47 | 27.26 | 46.6 |
| 1993 | 32.06 | 34.27 | 40.24 | 45.43 | 54.35 | 61.72 | 66.50 | 64.74 | 57.93 | 47.39 | 35.10 | 29.97 | 47.5 |
| 1994 | 28.97 | 31.18 | 40.94 | 46.10 | 54.16 | 64.92 | 68.56 | 68.26 | 59.10 | 46.15 | 36.20 | 33.42 | 48.2 |
| 1995 | 28.45 | 39.25 | 40.50 | 42.92 | 50.69 | 59.78 | 66.76 | 69.48 | 59.80 | 48.61 | 40.50 | 31.18 | 48.2 |
| 1996 | 30.31 | 37.97 | 38.37 | 46.70 | 56.85 | 64.78 | 68.77 | 66.47 | 55.87 | 47.84 | 38.37 | 30.77 | 48.6 |
| 1997 | 26.97 | 33.02 | 40.82 | 43.50 | 55.55 | 60.73 | 66.44 | 66.29 | 63.28 | 47.37 | 36.80 | 25.76 | 47.2 |
| 1998 | 30.69 | 29.54 | 37.00 | 43.15 | 53.11 | 59.83 | 68.55 | 66.60 | 63.55 | 49.39 | 39.78 | 32.37 | 47.8 |
| 1999 | 32.61 | 36.38 | 42.32 | 43.77 | 53.24 | 61.42 | 66.53 | 65.81 | 59.20 | 49.19 | 46.38 | 27.82 | 48.7 |
| 2000 | 30.85 | 37.71 | 39.19 | 48.77 | 56.31 | 64.97 | 68.74 | 67.66 | 61.17 | 48.65 | 31.47 | 30.74 | 48.9 |
| 2001 | 25.98 | 34.30 | 39.92 | 47.47 | 56.21 | 64.25 | 68.65 | 66.35 | 61.62 | 51.11 | 39.03 | 27.92 | 48.6 |
| 2002 | 28.10 | 32.63 | 37.76 | 50.07 | 54.81 | 65.75 | 68.60 | 66.19 | 59.37 | 47.89 | 37.90 | 27.27 | 48.0 |
| 2003 | 36.02 | 32.73 | 37.58 | 44.35 | 55.98 | 63.87 | 71.76 | 67.82 | 60.73 | 53.34 | 37.67 | 31.37 | 49.4 |
| 2004 | 30.56 | 29.72 | 43.98 | 45.45 | 55.18 | 62.75 | 66.82 | 63.73 | 58.23 | 47.81 | 36.87 | 30.85 | 47.7 |
| 2005 | 35.31 | 34.96 | 37.81 | 45.93 | 55.34 | 61.23 | 68.65 | 65.26 | 61.15 | 50.55 | 38.70 | 30.26 | 48.8 |
| 2006 | 31.10 | 33.77 | 37.55 | 48.78 | 57.31 | 66.65 | 68.95 | 63.55 | 51.58 | 43.84 | 34.20 | 23.45 | 46.7 |
| 2007 | 22.15 | 29.04 | 38.27 | 43.38 | 51.31 | 63.60 | 69.02 | 67.63 | 60.98 | 49.89 | 41.90 | 28.10 | 47.1 |
| 2008 | 24.34 | 30.91 | 39.06 | 43.72 | 51.97 | 63.42 | 67.69 | 66.42 | 58.85 | 48.47 | 38.98 | 29.26 | 46.9 |
| Average | 28.2 | 32.2 | 38.0 | 45.6 | 53.8 | 62.8 | 68.3 | 66.1 | 59.8 | 49.2 | 37.4 | 29.7 | 47.6 |
| 1991-2005 Av | 29.8 | 34.3 | 39.5 | 45.8 | 54.6 | 62.4 | 67.8 | 66.3 | 60.0 | 49.0 | 37.5 | 29.8 | 48.1 |

Appendix A

El Morro Nat'l Monument, NM NOAA Weather Station (292785)

Total Monthly Precipitation

| Year | Values in Inches | | | | | | | | | | | | Annual |
|----------------|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | |
| 1938 | 0.05 | 0.79 | 1.72 | 0.81 | 0.46 | 1.03 | 1.01 | 1.91 | 1.90 | 0.04 | 0.07 | 0.63 | 10.42 |
| 1939 | 1.82 | 1.11 | 1.43 | 0.75 | 0.05 | 0.01 | 1.20 | 0.98 | 1.31 | 0.87 | 1.39 | 0.66 | 11.58 |
| 1940 | 1.40 | 1.35 | 1.00 | 1.05 | 0.38 | 0.54 | 2.92 | 3.20 | 2.17 | 0.95 | 1.46 | 2.49 | 18.91 |
| 1941 | 1.72 | 1.66 | 2.11 | 1.84 | 1.49 | 0.64 | 1.35 | 2.18 | 3.12 | 1.23 | 0.79 | 0.79 | 18.92 |
| 1942 | 0.44 | 0.70 | 0.45 | 0.73 | 0.03 | 0.00 | 0.96 | 2.53 | 0.70 | 1.10 | 0.03 | 2.09 | 9.76 |
| 1943 | 0.68 | 0.64 | 1.22 | 0.48 | 0.37 | 0.74 | 2.70 | 3.08 | 0.81 | 1.46 | 0.31 | 0.56 | 13.05 |
| 1944 | 0.46 | 0.95 | 0.72 | 0.47 | 0.57 | 0.84 | 1.28 | 1.12 | 1.12 | 1.79 | 0.70 | 0.88 | 10.90 |
| 1945 | 0.65 | 0.62 | 1.70 | 0.42 | 0.04 | 0.09 | 1.70 | 3.12 | 0.53 | 0.86 | 0.01 | 1.69 | 11.43 |
| 1946 | 0.95 | 0.11 | 0.45 | 0.15 | 0.17 | 0.15 | 1.80 | 4.90 | 1.30 | 0.54 | 1.16 | 0.15 | 11.83 |
| 1947 | 0.54 | 0.12 | 0.20 | 0.00 | 1.25 | 0.61 | 2.23 | 8.93 | 0.93 | 1.79 | 0.98 | 0.40 | 17.98 |
| 1948 | 0.24 | 1.29 | 2.33 | 0.06 | 0.58 | 1.29 | 2.01 | 2.20 | 2.10 | 1.55 | 0.08 | 0.63 | 14.36 |
| 1949 | 1.36 | 0.70 | 0.38 | 0.60 | 0.09 | 0.85 | 1.83 | 1.03 | 1.68 | 0.89 | 0.21 | 0.96 | 10.58 |
| 1950 | 0.87 | 0.77 | 0.82 | 0.01 | 0.07 | 0.07 | 2.78 | 0.76 | 1.31 | 0.12 | 0.16 | 0.04 | 7.78 |
| 1951 | 0.71 | 0.22 | 0.44 | 1.21 | 0.40 | 0.00 | 0.92 | 3.19 | 0.42 | 0.44 | 0.62 | 1.57 | 10.14 |
| 1952 | 1.11 | 0.51 | 1.32 | 1.27 | 0.24 | 1.11 | 1.73 | 3.12 | 0.92 | 0.00 | 1.42 | 0.64 | 13.39 |
| 1953 | 0.63 | 0.30 | 1.40 | 1.01 | 0.30 | 0.15 | 2.51 | 1.52 | 0.00 | 0.53 | 0.56 | 0.95 | 9.86 |
| 1954 | 0.43 | 0.27 | 1.61 | 0.00 | 1.32 | 0.60 | 2.28 | 2.82 | 3.05 | 0.65 | 0.11 | 0.45 | 13.59 |
| 1955 | 1.19 | 0.73 | 0.11 | 0.26 | 0.40 | 0.90 | 4.18 | 3.29 | 0.03 | 0.15 | 0.38 | 0.80 | 12.42 |
| 1956 | 2.77 | 0.51 | 0.07 | 0.49 | 0.59 | 0.38 | 1.49 | 1.23 | 0.07 | 0.61 | 0.12 | 0.17 | 8.50 |
| 1957 | 1.29 | 1.26 | 1.15 | 0.55 | 1.17 | 0.65 | 3.05 | 2.72 | 0.02 | 2.18 | 0.76 | 0.65 | 15.45 |
| 1958 | 0.31 | 0.79 | 1.69 | 1.04 | 0.01 | 0.50 | 1.26 | 1.86 | 1.56 | 0.74 | 0.80 | 0.22 | 10.78 |
| 1959 | 0.47 | 0.22 | 0.17 | 0.84 | 0.02 | 0.64 | 0.88 | 4.80 | 0.14 | 2.32 | 0.03 | 1.19 | 11.72 |
| 1960 | 1.12 | 0.81 | 0.39 | 0.44 | 0.61 | 0.52 | 0.87 | 0.59 | 0.32 | 1.78 | 0.13 | 0.45 | 8.03 |
| 1961 | 0.95 | 0.30 | 2.11 | 0.65 | 0.34 | 0.27 | 1.75 | 3.43 | 0.34 | 2.15 | 0.52 | 1.46 | 14.27 |
| 1962 | 1.03 | 0.57 | 0.69 | 0.30 | 0.03 | 0.25 | 1.06 | 0.51 | 3.49 | 1.72 | 1.09 | 0.48 | 11.22 |
| 1963 | 0.20 | 1.13 | 0.99 | 0.13 | 0.00 | 0.06 | 1.52 | 3.71 | 3.13 | 1.35 | 1.36 | 0.18 | 13.76 |
| 1964 | 0.66 | 0.98 | 0.87 | 1.24 | 0.15 | 0.23 | 1.98 | 4.04 | 1.90 | 0.25 | 0.65 | 1.18 | 14.13 |
| 1965 | 1.49 | 1.46 | 0.51 | 1.80 | 0.77 | 1.37 | 3.59 | 1.52 | 0.74 | 0.29 | 1.25 | 2.39 | 17.18 |
| 1966 | 0.66 | 0.82 | 0.43 | 1.16 | 0.21 | 0.66 | 1.87 | 2.06 | 2.01 | 0.20 | 0.40 | 1.05 | 11.53 |
| 1967 | 0.22 | 0.19 | 0.43 | 0.08 | 0.21 | 1.52 | 4.03 | 2.47 | 0.72 | 0.46 | 0.34 | 2.06 | 12.73 |
| 1968 | 0.08 | 0.71 | 1.06 | 0.77 | 0.51 | 0.12 | 2.19 | 1.79 | 0.10 | 0.37 | 0.67 | 1.26 | 9.63 |
| 1969 | 1.38 | 0.60 | 1.18 | 0.58 | 1.15 | 0.02 | 2.40 | 3.55 | 1.11 | 1.75 | 0.76 | 0.35 | 14.83 |
| 1970 | 0.18 | 0.63 | 1.26 | 0.40 | 0.35 | 0.77 | 1.09 | 2.49 | 0.80 | 0.94 | 0.11 | 0.61 | 9.63 |
| 1971 | 0.22 | 1.08 | 0.23 | 0.69 | 0.08 | 0.00 | 1.67 | 4.49 | 2.05 | 1.72 | 0.51 | 1.12 | 13.86 |
| 1972 | 0.08 | 0.06 | 0.06 | 0.10 | 0.27 | 1.20 | 1.50 | 3.85 | 1.24 | 4.75 | 1.07 | 1.04 | 15.22 |
| 1973 | 0.93 | 1.01 | 2.29 | 0.51 | 1.04 | 0.35 | 1.47 | 1.90 | 0.93 | 0.02 | 1.59 | 0.75 | 12.79 |
| 1974 | 1.70 | 0.45 | 0.05 | 0.36 | 0.00 | 0.01 | 1.17 | 3.61 | 0.88 | 4.40 | 0.09 | 0.54 | 13.26 |
| 1975 | 0.58 | 1.29 | 1.88 | 1.20 | 0.21 | 0.11 | 1.31 | 1.75 | 3.40 | 0.02 | 1.58 | 1.53 | 14.86 |
| 1976 | 0.18 | 0.64 | 0.83 | 0.16 | 1.09 | 0.28 | 1.89 | 1.87 | 1.01 | 1.04 | 0.36 | 0.46 | 9.81 |
| 1977 | 2.65 | 0.04 | 0.65 | 2.13 | 0.57 | 0.36 | 3.72 | 2.72 | 2.64 | 0.75 | 0.74 | 0.70 | 17.67 |
| 1978 | 1.12 | 1.61 | 2.53 | 0.19 | 1.46 | 0.29 | 0.98 | 0.89 | 0.22 | 0.86 | 1.92 | 1.44 | 13.51 |
| 1979 | 4.37 | 1.95 | 0.93 | 0.44 | 2.56 | 0.63 | 1.14 | 2.98 | 0.10 | 0.93 | 1.66 | 1.93 | 19.62 |
| 1980 | 1.82 | 2.23 | 1.17 | 0.64 | 0.41 | 0.00 | 0.42 | 1.48 | 2.87 | 0.52 | 0.16 | 0.56 | 12.28 |
| 1981 | 0.34 | 0.90 | 3.14 | 1.64 | 0.42 | 1.31 | 2.50 | 1.42 | 1.91 | 0.79 | 0.31 | 0.05 | 14.73 |
| 1982 | 2.06 | 1.30 | 1.63 | 0.14 | 0.91 | 0.00 | 2.23 | 3.57 | 1.65 | 0.20 | 0.94 | 1.72 | 16.35 |
| 1983 | 1.78 | 1.17 | 2.37 | 0.42 | 0.82 | 0.40 | 2.03 | 2.56 | 3.85 | 1.37 | 1.06 | 1.98 | 19.81 |
| 1984 | 0.39 | 0.06 | 1.64 | 1.18 | 0.23 | 0.56 | 2.13 | 4.17 | 3.54 | 2.33 | 1.45 | 1.33 | 19.01 |
| 1985 | 2.04 | 0.81 | 1.71 | 1.43 | 0.60 | 0.12 | 3.06 | 1.61 | 1.40 | 1.49 | 1.51 | 0.46 | 16.24 |
| 1986 | 0.00 | 1.10 | 1.27 | 0.88 | 0.84 | 1.60 | 3.78 | 1.93 | 1.13 | 1.91 | 2.43 | 2.68 | 19.55 |
| 1987 | 1.62 | 1.84 | 1.00 | 0.42 | 1.35 | 1.18 | 2.20 | 3.74 | 0.30 | 0.71 | 0.98 | 1.13 | 16.47 |
| 1988 | 0.64 | 0.82 | 0.07 | 2.20 | 0.51 | 2.65 | 1.39 | 3.27 | 0.27 | 0.14 | 0.68 | 0.47 | 13.11 |
| 1989 | 1.29 | 1.54 | 0.29 | 0.00 | 0.14 | 0.01 | 3.13 | 1.64 | 1.36 | 1.35 | 0.02 | 0.09 | 10.86 |
| 1990 | 0.58 | 0.56 | 0.93 | 1.38 | 1.42 | 0.91 | 2.22 | 1.74 | 2.29 | 0.93 | 0.86 | 2.73 | 16.55 |
| 1991 | 1.04 | 0.17 | 1.86 | 0.00 | 0.00 | 0.85 | 1.24 | 2.27 | 1.45 | 1.12 | 1.39 | 1.73 | 13.12 |
| 1992 | 0.96 | 0.86 | 1.39 | 0.00 | 3.82 | 0.44 | 1.78 | 3.01 | 0.59 | 0.90 | 1.20 | 1.10 | 16.05 |
| 1993 | 3.65 | 1.38 | 1.25 | 0.04 | 1.11 | 0.18 | 0.08 | 7.68 | 0.35 | 1.38 | 0.87 | 0.17 | 18.14 |
| 1994 | 0.21 | 1.16 | 1.16 | 1.60 | 1.57 | 0.69 | 1.56 | 1.40 | 1.84 | 2.75 | 1.74 | 0.88 | 16.56 |
| 1995 | 1.65 | 0.87 | 1.04 | 1.37 | 0.49 | 0.24 | 0.57 | 2.77 | 2.14 | 0.00 | 0.50 | 0.77 | 12.41 |
| 1996 | 1.32 | 1.67 | 0.85 | 0.87 | 0.00 | 0.87 | 2.10 | 3.00 | 3.01 | 1.92 | 1.38 | 0.79 | 17.78 |
| 1997 | 2.74 | 0.04 | 0.71 | 1.10 | 0.50 | 1.70 | 2.18 | 3.00 | 2.17 | 0.99 | 1.44 | 1.56 | 18.13 |
| 1998 | 0.69 | 1.82 | 2.84 | 1.26 | 0.00 | 0.00 | 4.41 | 3.01 | 0.49 | 3.33 | 0.91 | 0.49 | 19.25 |
| 1999 | 0.05 | 0.00 | 0.72 | 1.47 | 1.30 | 0.46 | 2.74 | 3.79 | 0.66 | 0.00 | 0.00 | 0.18 | 11.37 |
| 2000 | 0.38 | 0.61 | 3.10 | 0.07 | 0.00 | 0.75 | 0.49 | 2.60 | 0.93 | 2.66 | 0.63 | 0.67 | 12.89 |
| 2001 | 1.07 | 1.07 | 0.83 | 0.74 | 0.79 | 0.37 | 1.90 | 3.12 | 1.16 | 0.36 | 0.77 | 0.83 | 13.01 |
| 2002 | 1.11 | 0.23 | 0.52 | 0.49 | 0.01 | 0.00 | 2.32 | 1.64 | 3.86 | 2.02 | 0.41 | 1.75 | 14.36 |
| 2003 | 0.08 | 1.98 | 1.96 | 0.34 | 0.11 | 0.08 | 0.96 | 2.63 | 0.77 | 0.91 | 1.00 | 0.83 | 11.65 |
| 2004 | 0.88 | 0.94 | 0.63 | 1.86 | 0.00 | 0.45 | 1.07 | 2.33 | 1.14 | 0.58 | 0.84 | 0.86 | 11.58 |
| 2005 | 1.53 | 2.06 | 1.62 | 1.30 | 0.23 | 0.35 | 0.47 | 2.13 | 1.26 | 0.73 | 0.22 | 0.13 | 12.03 |
| 2006 | 0.44 | 0.00 | 1.67 | 0.15 | 0.24 | 1.00 | 5.08 | 4.79 | 0.83 | 2.03 | 0.43 | 1.60 | 18.26 |
| 2007 | 1.03 | 1.10 | 0.31 | 0.91 | 1.26 | 0.53 | 1.72 | 4.39 | 0.56 | 0.36 | 0.41 | 1.81 | 14.39 |
| 2008 | 0.84 | 1.49 | 0.09 | 0.16 | 1.34 | 0.31 | 3.73 | 1.91 | 0.73 | 1.09 | 0.60 | 1.98 | 14.27 |
| Average | 1.02 | 0.87 | 1.12 | 0.72 | 0.59 | 0.55 | 1.95 | 2.72 | 1.36 | 1.15 | 0.76 | 1.00 | 13.82 |
| 1991-2005 Av | 1.16 | 0.99 | 1.37 | 0.83 | 0.66 | 0.50 | 1.59 | 2.96 | 1.45 | 1.31 | 0.89 | 0.85 | 14.56 |

Appendix A

El Morro Nat'l Monument, NM NOAA Weather Station (292785)

Frost Dates

| Year | Spring 28 | Spring 32 | Fall 32 | Fall 28 |
|----------------|-------------|------------|-------------|-------------|
| 1938 | 5/23 | 6/14 | 10/8 | 10/9 |
| 1939 | 5/25 | 5/26 | 9/29 | 10/5 |
| 1940 | 4/28 | 5/30 | 10/14 | 10/22 |
| 1941 | 5/20 | 6/9 | 9/9 | 9/9 |
| 1942 | 5/13 | 6/1 | 9/24 | 10/4 |
| 1943 | 5/20 | 6/15 | 10/5 | 10/13 |
| 1944 | 6/4 | 6/18 | 10/2 | 10/3 |
| 1945 | 5/31 | 6/18 | 9/14 | 9/30 |
| 1946 | 5/31 | 6/1 | 10/7 | 10/7 |
| 1947 | 4/28 | 5/17 | 10/15 | 10/16 |
| 1948 | 5/12 | 5/23 | 10/5 | 10/7 |
| 1949 | 5/20 | 6/2 | 10/9 | 10/9 |
| 1950 | 6/9 | 6/9 | 9/12 | 9/15 |
| 1951 | 6/2 | 6/10 | 9/13 | 10/6 |
| 1952 | 5/23 | 5/23 | 9/13 | 9/13 |
| 1953 | 5/30 | 6/4 | 9/26 | 9/29 |
| 1954 | 6/7 | 6/7 | 10/12 | 10/15 |
| 1955 | 6/2 | 6/4 | 9/21 | 9/30 |
| 1956 | 5/15 | 5/27 | 10/13 | 10/14 |
| 1957 | 4/28 | 5/25 | 9/15 | 9/19 |
| 1958 | 5/14 | 6/13 | 9/25 | 10/19 |
| 1959 | 5/22 | 6/2 | 9/18 | 9/25 |
| 1960 | 5/26 | 6/1 | 9/23 | 10/13 |
| 1961 | 5/13 | 6/3 | 9/4 | 9/4 |
| 1962 | 5/22 | 6/17 | 10/1 | 10/7 |
| 1963 | 5/13 | 6/9 | 10/14 | 10/14 |
| 1964 | 5/29 | 5/30 | 10/7 | 10/7 |
| 1965 | 5/26 | 6/2 | 9/21 | 9/21 |
| 1966 | 5/1 | 5/14 | 10/8 | 10/14 |
| 1967 | 5/15 | 5/29 | 9/14 | 10/8 |
| 1968 | 6/10 | 6/11 | 9/17 | 9/24 |
| 1969 | 5/2 | 6/9 | 10/5 | 10/5 |
| 1970 | 5/8 | 6/16 | 9/15 | 9/23 |
| 1971 | 6/4 | 6/5 | 9/5 | 9/19 |
| 1972 | 5/23 | 5/26 | 9/26 | 9/30 |
| 1973 | 5/28 | 6/6 | 9/24 | 9/28 |
| 1974 | 5/21 | 6/10 | 9/28 | 9/29 |
| 1975 | 5/9 | 6/26 | 9/23 | 10/9 |
| 1976 | 5/9 | 6/26 | 10/5 | 10/6 |
| 1977 | 5/27 | 5/30 | 10/1 | 10/11 |
| 1978 | 5/18 | 6/22 | 9/20 | 9/21 |
| 1979 | 5/13 | 6/20 | 10/6 | 10/15 |
| 1980 | 6/2 | 6/5 | 10/4 | 10/16 |
| 1981 | 5/18 | 6/15 | 10/4 | 10/17 |
| 1982 | 6/9 | 6/9 | 9/29 | 9/29 |
| 1983 | 5/18 | 6/5 | 9/21 | 9/21 |
| 1984 | 5/8 | 6/17 | 9/30 | 10/13 |
| 1985 | 5/14 | 6/4 | 9/12 | 9/30 |
| 1986 | 5/13 | 5/18 | 9/11 | 9/11 |
| 1987 | 5/27 | 5/30 | 9/15 | 10/16 |
| 1988 | 6/1 | 6/1 | 9/15 | 9/23 |
| 1989 | 5/13 | 6/3 | 9/14 | 9/21 |
| 1990 | 5/20 | 6/17 | 10/9 | 10/9 |
| 1991 | 5/23 | 6/1 | 10/3 | 10/5 |
| 1992 | 4/24 | 4/24 | 9/26 | 10/8 |
| 1993 | 6/7 | 6/8 | 9/14 | 9/26 |
| 1994 | 5/21 | 5/21 | 9/23 | 10/2 |
| 1995 | 6/18 | 6/18 | 9/30 | 10/3 |
| 1996 | 5/27 | 6/1 | 9/19 | 9/28 |
| 1997 | 5/2 | 5/28 | 10/8 | 10/9 |
| 1998 | 5/15 | 6/19 | 9/26 | 10/6 |
| 1999 | 6/5 | 6/7 | 9/30 | 10/9 |
| 2000 | 5/17 | 5/21 | 9/24 | 9/24 |
| 2001 | 6/13 | 6/14 | 9/9 | 9/9 |
| 2002 | 5/22 | 5/24 | 10/4 | 10/4 |
| 2003 | 5/12 | 5/19 | 9/21 | 10/14 |
| 2004 | 5/2 | 5/31 | 9/6 | 9/22 |
| 2005 | 5/13 | 5/14 | 9/14 | 10/12 |
| 2006 | 5/29 | 5/29 | 9/17 | 9/17 |
| 2007 | 5/24 | 6/8 | 9/25 | 9/25 |
| 2008 | 5/12 | 6/13 | 10/1 | 10/12 |
| Average | 5/20 | 6/4 | 9/25 | 10/2 |
| 1991-2005 Av | 5/21 | 5/29 | 9/23 | 10/2 |

Appendix A

Fence Lake, NM NOAA Weather Station (293180) Average of Maximum Temperature

| Year | Values in Degrees F | | | | | | | | | | | | Annual |
|----------------|---------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | |
| 1964 | | | | | 72.1 | 81.0 | 86.1 | 82.5 | 75.3 | 73.1 | 55.1 | 42.6 | |
| 1965 | 45.5 | 45.9 | 49.1 | 60.6 | 68.6 | 78.1 | 82.2 | 82.9 | 73.1 | 71.2 | 58.7 | 47.8 | 63.6 |
| 1966 | 41.2 | 41.8 | 55.9 | 61.5 | 79.2 | 83.8 | 90.9 | 83.8 | 78.3 | 70.7 | 61.2 | 44.5 | 66.1 |
| 1967 | 42.3 | 49.8 | 58.5 | 60.4 | 69.5 | 80.9 | 87.1 | 82.6 | 76.5 | 70.2 | 58.2 | 40.2 | 64.7 |
| 1968 | 40.8 | 47.0 | 49.5 | 56.6 | 71.6 | 84.6 | 87.4 | 78.7 | 75.1 | 68.8 | 52.7 | 43.0 | 63.0 |
| 1969 | 47.2 | 48.1 | 50.4 | 66.5 | 75.0 | 81.7 | 85.6 | 84.5 | 80.1 | 65.2 | 52.7 | 48.8 | 65.5 |
| 1970 | 43.4 | 51.9 | 51.2 | 58.8 | 75.7 | 82.6 | 87.0 | 85.4 | 76.3 | 60.8 | 58.3 | 49.8 | 65.1 |
| 1971 | 45.1 | 47.7 | 59.0 | 63.0 | 71.2 | 84.6 | 89.0 | 81.9 | 76.5 | 61.4 | 56.0 | 40.6 | 64.7 |
| 1972 | 49.3 | 54.4 | 64.9 | 67.4 | 74.9 | 81.5 | 88.7 | 83.3 | 76.9 | 63.9 | 46.7 | 44.3 | 66.3 |
| 1973 | 40.6 | 43.5 | 46.6 | 56.2 | 70.2 | 80.8 | 85.9 | 84.7 | 78.5 | 71.2 | 56.1 | 47.5 | 63.5 |
| 1974 | 42.9 | 47.9 | 60.9 | 65.8 | 78.8 | 89.9 | 86.6 | 81.5 | 76.8 | 64.8 | 54.6 | 42.7 | 66.1 |
| 1975 | 42.9 | 43.9 | 51.5 | 58.9 | 70.8 | 83.8 | 83.8 | 84.3 | 73.0 | 69.2 | 57.2 | 44.4 | 63.6 |
| 1976 | 44.3 | 54.3 | 54.6 | 64.6 | 73.6 | 85.2 | 85.1 | 83.3 | 76.9 | 63.2 | 54.6 | 47.0 | 65.6 |
| 1977 | 40.1 | 49.6 | 54.0 | 66.0 | 74.4 | 85.8 | 84.8 | 84.8 | 79.3 | 70.4 | 56.0 | 51.3 | 66.4 |
| 1978 | 44.3 | 45.3 | 57.0 | 66.5 | 73.4 | 86.3 | 88.8 | 84.0 | 78.2 | 71.1 | 52.8 | 42.1 | 65.8 |
| 1979 | 38.2 | 45.8 | 51.7 | 64.7 | 70.3 | 81.2 | 87.5 | 83.3 | 82.2 | 72.6 | 50.0 | 49.8 | 64.8 |
| 1980 | 45.0 | 50.4 | 52.9 | 63.2 | 71.5 | 89.0 | 88.7 | 82.5 | 79.4 | 67.8 | 55.8 | 54.7 | 66.7 |
| 1981 | 50.5 | 53.6 | 51.1 | 69.3 | 71.6 | 86.5 | 84.6 | 84.3 | 78.2 | 66.3 | 60.5 | 51.6 | 67.4 |
| 1982 | 42.5 | 46.4 | 54.5 | 64.5 | 71.3 | 83.9 | 85.1 | 80.6 | 76.0 | 66.9 | 52.1 | 42.3 | 63.8 |
| 1983 | 45.2 | 48.1 | 51.7 | 57.1 | 71.4 | 81.2 | 85.5 | 81.9 | 78.9 | 66.4 | 53.1 | 47.3 | 64.0 |
| 1984 | 45.9 | 51.1 | 56.9 | 61.7 | 79.3 | 83.5 | 86.6 | 80.9 | 76.9 | 56.7 | 53.5 | 45.4 | 64.9 |
| 1985 | 41.1 | 44.2 | 54.8 | 66.9 | 73.8 | 85.8 | 86.4 | 82.8 | 73.4 | 66.4 | 51.8 | 46.5 | 64.5 |
| 1986 | 54.7 | 51.1 | 58.1 | 66.0 | 75.0 | 82.4 | 83.2 | 84.9 | 75.9 | 64.5 | 53.1 | 44.3 | 66.1 |
| 1987 | 45.0 | 46.2 | 50.8 | 66.9 | 71.9 | 84.3 | 85.2 | 79.7 | 77.1 | 70.7 | 53.0 | 44.9 | 64.6 |
| 1988 | 43.5 | 52.4 | 57.7 | 64.5 | 74.9 | 83.6 | 84.9 | 79.3 | 75.4 | 72.6 | 55.0 | 47.7 | 66.0 |
| 1989 | 44.7 | 54.3 | 63.8 | 72.9 | 78.5 | 86.3 | 88.6 | 83.3 | 80.3 | 66.4 | 56.2 | 48.2 | 68.6 |
| 1990 | 46.5 | 49.3 | 57.8 | 66.0 | 73.3 | 89.2 | 82.7 | 82.0 | 78.1 | 69.1 | 56.2 | 42.5 | 66.1 |
| 1991 | 42.5 | 54.8 | 52.4 | 65.1 | 75.6 | 81.3 | 84.5 | 82.4 | 78.7 | 69.3 | 52.5 | 44.5 | 65.3 |
| 1992 | 40.1 | 48.6 | 56.2 | 70.0 | 69.8 | 80.7 | 83.6 | 82.6 | 80.3 | 71.5 | 48.1 | 44.2 | 64.6 |
| 1993 | 46.4 | 48.1 | 58.0 | 66.4 | 75.4 | 84.2 | 87.5 | 81.1 | 78.8 | 65.6 | 52.3 | 47.7 | 66.0 |
| 1994 | 48.8 | 48.5 | 58.8 | 65.0 | 74.9 | 88.7 | 88.3 | 85.6 | 77.5 | 64.4 | 51.9 | 48.8 | 66.8 |
| 1995 | 43.7 | 55.8 | 57.6 | 62.1 | 69.8 | 81.8 | 88.2 | 86.6 | 79.2 | 71.8 | 60.3 | 49.8 | 67.2 |
| 1996 | 50.1 | 55.7 | 57.9 | 68.0 | 81.1 | 87.1 | 88.4 | 85.2 | 73.5 | 65.5 | 56.1 | 49.5 | 68.2 |
| 1997 | 42.5 | 49.6 | 62.7 | 62.1 | 76.5 | 81.7 | 85.4 | 83.1 | 79.7 | 66.6 | 55.5 | 41.7 | 65.6 |
| 1998 | 46.4 | 43.4 | 54.1 | 61.1 | 75.3 | 83.1 | 85.5 | 84.4 | 82.8 | 69.1 | 58.4 | 49.5 | 66.1 |
| 1999 | 51.6 | 57.0 | 63.7 | 62.9 | 74.9 | 83.6 | 82.3 | 82.2 | 78.7 | 73.9 | 66.2 | 47.8 | 68.7 |
| 2000 | 51.8 | 57.9 | 58.1 | 71.2 | 81.7 | 86.4 | 89.3 | 86.4 | 83.5 | 64.6 | 47.3 | 51.4 | 69.1 |
| 2001 | 43.5 | 50.2 | 58.7 | 68.4 | 78.3 | 87.9 | 87.6 | 82.9 | 82.2 | 72.5 | 57.6 | 46.6 | 68.0 |
| 2002 | 46.5 | 52.6 | 60.2 | 73.1 | 79.3 | 90.6 | 88.2 | 86.2 | 77.5 | 66.9 | 56.8 | 43.8 | 68.5 |
| 2003 | 53.9 | 49.1 | 55.9 | 67.7 | 79.3 | 85.8 | 93.6 | 85.6 | 81.7 | 75.1 | 56.6 | 49.7 | 69.5 |
| 2004 | 48.0 | 47.0 | 65.0 | 63.7 | 79.5 | 86.9 | 88.4 | 82.5 | 77.6 | 65.5 | 50.8 | 47.1 | 66.8 |
| 2005 | 48.4 | 47.6 | 52.5 | 66.1 | 76.3 | 82.7 | 89.8 | 81.6 | 78.9 | 68.8 | 59.4 | 50.3 | 66.9 |
| 2006 | 51.3 | 55.4 | 53.3 | 69.3 | 79.5 | 87.3 | 85.9 | 78.0 | 73.2 | 64.6 | 58.3 | 45.0 | 66.8 |
| 2007 | 42.2 | 48.4 | 60.3 | 66.1 | 72.9 | 85.7 | 87.0 | 83.5 | 78.9 | 75.3 | 66.3 | 46.3 | 67.8 |
| 2008 | | | | | | | | | | | | | |
| Average | 45.4 | 49.6 | 56.1 | 64.8 | 74.6 | 84.4 | 86.6 | 83.0 | 77.8 | 68.0 | 55.4 | 46.5 | 66.0 |
| 991-2005 Av | 46.9 | 51.1 | 58.1 | 66.2 | 76.5 | 84.8 | 87.4 | 83.9 | 79.4 | 68.7 | 55.3 | 47.5 | 67.2 |

Appendix A

Fence Lake, NM NOAA Weather Station (293180) Average of Minimum Temperature

| Year | Values in Degrees F | | | | | | | | | | | | Annual | |
|----------------|---------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--|
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | | |
| 1964 | 15.4 | 18.9 | 23.2 | 28.0 | 36.0 | 42.0 | 51.8 | 51.0 | 44.7 | 32.5 | 21.5 | 12.5 | | |
| 1965 | 19.4 | 14.4 | 11.1 | 19.1 | 33.8 | 41.1 | 52.8 | 48.0 | 41.9 | 30.2 | 24.1 | 10.4 | 28.9 | |
| 1966 | 2.0 | 3.7 | 21.4 | 30.7 | 44.0 | 43.6 | 56.2 | 52.8 | 46.7 | 36.3 | 28.8 | 15.8 | 31.8 | |
| 1967 | 10.1 | 18.0 | 27.7 | 28.0 | 35.3 | 51.5 | 58.1 | 51.7 | 44.8 | 33.2 | 22.7 | 8.7 | 32.5 | |
| 1968 | 8.3 | 21.1 | 27.2 | 32.7 | 36.2 | 45.4 | 54.4 | 47.5 | 41.6 | 35.0 | 25.9 | 10.7 | 32.2 | |
| 1969 | 23.4 | 23.8 | 21.1 | 32.4 | 39.5 | 42.0 | 53.7 | 54.1 | 44.9 | 31.7 | 21.2 | 21.0 | 34.1 | |
| 1970 | 12.7 | 20.8 | 21.0 | 20.6 | 32.8 | 42.1 | 52.6 | 52.5 | 40.4 | 26.5 | 17.8 | 13.5 | 29.5 | |
| 1971 | 8.0 | 16.2 | 20.4 | 24.1 | 29.0 | 43.1 | 53.4 | 50.8 | 41.3 | 31.6 | 21.6 | 16.1 | 29.6 | |
| 1972 | 15.4 | 17.5 | 22.9 | 23.6 | 30.9 | 43.7 | 52.4 | 49.8 | 43.9 | 37.3 | 20.2 | 12.7 | 30.9 | |
| 1973 | 8.6 | 16.2 | 25.2 | 26.3 | 34.7 | 42.4 | 50.4 | 48.0 | 39.4 | 28.2 | 21.3 | 15.3 | 29.7 | |
| 1974 | 15.9 | 11.9 | 24.1 | 23.8 | 32.3 | 46.5 | 49.5 | 47.5 | 41.9 | 36.2 | 20.3 | 8.6 | 29.9 | |
| 1975 | 12.4 | 15.7 | 22.3 | 22.9 | 31.7 | 39.8 | 52.1 | 47.6 | 43.4 | 29.4 | 15.0 | 12.7 | 28.7 | |
| 1976 | 12.3 | 21.5 | 18.1 | 26.8 | 36.0 | 41.5 | 51.2 | 47.3 | 42.6 | 28.3 | 17.2 | 11.7 | 29.5 | |
| 1977 | 10.3 | 17.5 | 17.9 | 27.4 | 32.1 | 44.1 | 52.7 | 51.7 | 44.0 | 33.8 | 22.3 | 19.8 | 31.1 | |
| 1978 | 19.8 | 19.5 | 27.7 | 28.8 | 34.7 | 43.9 | 50.6 | 46.7 | 41.2 | 33.5 | 26.4 | 14.1 | 32.3 | |
| 1979 | 12.2 | 15.7 | 23.6 | 27.8 | 35.2 | 43.7 | 48.8 | 46.6 | 43.8 | 31.0 | 19.1 | 13.0 | 30.0 | |
| 1980 | 22.4 | 20.8 | 20.7 | 25.8 | 29.6 | 40.3 | 51.6 | 50.5 | 41.9 | 27.0 | 18.2 | 19.9 | 30.7 | |
| 1981 | 18.9 | 17.3 | 22.3 | 29.0 | 37.2 | 47.5 | 52.3 | 50.1 | 44.0 | 31.9 | 21.3 | 17.1 | 32.4 | |
| 1982 | 14.3 | 20.1 | 24.5 | 27.4 | 33.1 | 38.8 | 49.4 | 52.1 | 44.6 | 25.6 | 23.5 | 17.5 | 30.9 | |
| 1983 | 16.7 | 21.4 | 26.1 | 24.1 | 34.1 | 40.5 | 51.2 | 51.1 | 47.5 | 35.7 | 24.0 | 22.9 | 32.9 | |
| 1984 | 15.7 | 12.8 | 20.4 | 25.4 | 39.0 | 44.1 | 51.3 | 50.5 | 45.0 | 31.6 | 22.4 | 22.3 | 31.7 | |
| 1985 | 16.3 | 13.4 | 25.4 | 28.9 | 36.2 | 43.8 | 51.8 | 49.1 | 40.1 | 32.0 | 22.2 | 14.8 | 31.2 | |
| 1986 | 21.2 | 21.1 | 25.1 | 29.9 | 34.7 | 44.9 | 50.5 | 52.2 | 38.9 | 30.5 | 25.4 | 19.7 | 32.8 | |
| 1987 | 13.9 | 19.5 | 20.7 | 29.2 | 35.1 | 44.4 | 46.8 | 49.6 | 40.5 | 34.3 | 21.6 | 14.6 | 30.8 | |
| 1988 | 12.4 | 21.9 | 19.3 | 28.4 | 35.1 | 45.8 | 52.9 | 52.7 | 40.1 | 35.4 | 21.9 | 13.8 | 31.6 | |
| 1989 | 12.8 | 22.2 | 24.2 | 31.2 | 36.8 | 42.6 | 52.4 | 49.6 | 42.6 | 32.2 | 19.5 | 11.8 | 31.5 | |
| 1990 | 11.7 | 16.3 | 25.9 | 31.0 | 35.1 | 45.0 | 52.1 | 48.2 | 45.5 | 30.3 | 21.5 | 8.0 | 30.9 | |
| 1991 | 18.0 | 20.8 | 21.7 | 24.4 | 31.8 | 40.1 | 51.3 | 50.9 | 43.2 | 30.3 | 23.6 | 19.8 | 31.3 | |
| 1992 | 12.0 | 23.2 | 25.6 | 31.5 | 40.7 | 43.1 | 49.8 | 48.5 | 42.7 | 33.4 | 16.3 | 15.6 | 31.9 | |
| 1993 | 23.5 | 23.1 | 22.6 | 28.2 | 36.7 | 42.1 | 48.6 | 51.5 | 39.6 | 31.2 | 19.3 | 13.5 | 31.7 | |
| 1994 | 11.4 | 17.5 | 24.7 | 29.5 | 34.8 | 45.7 | 51.2 | 53.9 | 44.0 | 30.8 | 22.5 | 19.8 | 32.2 | |
| 1995 | 17.6 | 24.4 | 25.1 | 25.7 | 33.8 | 40.9 | 49.1 | 54.7 | 44.4 | 28.1 | 24.6 | 16.9 | 32.1 | |
| 1996 | 15.2 | 24.0 | 21.3 | 29.7 | 37.8 | 44.4 | 54.3 | 51.5 | 43.2 | 34.4 | 25.1 | 17.8 | 33.2 | |
| 1997 | 17.7 | 20.6 | 22.9 | 29.3 | 38.6 | 43.5 | 49.9 | 51.8 | 48.9 | 30.9 | 22.6 | 13.0 | 32.5 | |
| 1998 | 20.3 | 19.6 | 24.0 | 25.6 | 34.3 | 42.3 | 54.1 | 52.1 | 47.7 | 34.4 | 24.1 | 17.6 | 33.0 | |
| 1999 | 15.9 | 18.6 | 25.5 | 30.1 | 35.9 | 44.1 | 54.8 | 51.7 | 44.2 | 29.1 | 21.3 | 12.5 | 32.0 | |
| 2000 | 16.6 | 22.0 | 24.0 | 30.0 | 37.0 | 46.6 | 51.6 | 50.6 | 43.9 | 35.0 | 19.1 | 15.6 | 32.7 | |
| 2001 | 15.3 | 19.8 | 23.4 | 28.3 | 37.4 | 42.1 | 52.4 | 51.8 | 43.2 | 33.5 | 24.1 | 13.5 | 32.1 | |
| 2002 | 16.0 | 16.2 | 16.5 | 30.5 | 32.3 | 43.6 | 51.9 | 49.4 | 45.3 | 32.5 | 22.9 | 14.2 | 30.9 | |
| 2003 | 22.2 | 21.1 | 21.8 | 24.4 | 36.6 | 43.6 | 52.5 | 52.8 | 42.9 | 35.5 | 21.6 | 16.2 | 32.6 | |
| 2004 | 16.4 | 16.6 | 27.2 | 28.7 | 33.8 | 40.2 | 48.3 | 49.5 | 44.1 | 34.1 | 26.4 | 17.9 | 31.9 | |
| 2005 | 25.0 | 27.4 | 26.5 | 30.1 | 38.4 | 44.3 | 51.6 | 51.6 | 47.7 | 36.0 | 24.7 | 16.4 | 35.0 | |
| 2006 | 15.3 | 16.5 | 23.4 | 31.2 | 39.0 | 49.6 | 55.8 | 53.2 | 41.5 | 34.3 | 22.8 | 5.3 | 32.3 | |
| 2007 | 7.8 | 19.3 | 23.3 | 29.2 | 39.3 | 45.3 | 52.3 | 53.8 | 46.9 | 27.2 | 20.9 | 18.6 | 32.0 | |
| 2008 | | | | | | | | | | | | | | |
| Average | 15.2 | 18.9 | 22.9 | 27.7 | 35.4 | 43.5 | 51.9 | 50.7 | 43.4 | 32.1 | 22.0 | 15.1 | 31.6 | |
| 1991-2005 Av | 17.5 | 21.0 | 23.5 | 28.4 | 36.0 | 43.1 | 51.4 | 51.5 | 44.3 | 32.6 | 22.5 | 16.0 | 32.3 | |

Appendix A

Fence Lake, NM NOAA Weather Station (293180) Average Monthly Temperature

| Year | Values in Degrees F | | | | | | | | | | | | Annual |
|----------------|---------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | |
| 1964 | 30.3 | 34.0 | 39.6 | 46.2 | 54.0 | 61.5 | 68.9 | 66.8 | 60.0 | 52.8 | 38.3 | 27.5 | 48.3 |
| 1965 | 32.4 | 30.1 | 30.1 | 39.9 | 51.2 | 59.6 | 67.5 | 65.5 | 57.5 | 50.7 | 41.4 | 29.1 | 46.2 |
| 1966 | 21.6 | 22.8 | 38.6 | 46.1 | 61.6 | 63.7 | 73.5 | 68.3 | 62.5 | 53.5 | 45.0 | 30.2 | 49.0 |
| 1967 | 26.2 | 33.9 | 43.1 | 44.2 | 52.4 | 66.2 | 72.6 | 67.2 | 60.6 | 51.7 | 40.4 | 24.4 | 48.6 |
| 1968 | 24.5 | 34.1 | 38.4 | 44.7 | 53.9 | 65.0 | 70.9 | 63.1 | 58.4 | 51.9 | 39.3 | 26.9 | 47.6 |
| 1969 | 35.3 | 35.9 | 35.7 | 49.5 | 57.3 | 61.8 | 69.7 | 69.3 | 62.5 | 48.5 | 37.0 | 34.9 | 49.8 |
| 1970 | 28.1 | 36.4 | 36.1 | 39.7 | 54.3 | 62.4 | 69.8 | 69.0 | 58.4 | 43.7 | 38.1 | 31.7 | 47.3 |
| 1971 | 26.5 | 31.9 | 39.7 | 43.6 | 50.1 | 63.9 | 71.2 | 66.3 | 58.9 | 46.5 | 38.8 | 28.3 | 47.1 |
| 1972 | 32.3 | 35.9 | 43.9 | 45.5 | 52.9 | 62.6 | 70.5 | 66.6 | 60.4 | 50.6 | 33.5 | 28.5 | 48.6 |
| 1973 | 24.6 | 29.8 | 35.9 | 41.3 | 52.5 | 61.6 | 68.1 | 66.4 | 58.9 | 49.7 | 38.7 | 31.4 | 46.6 |
| 1974 | 29.4 | 29.9 | 42.5 | 44.8 | 55.6 | 68.2 | 68.0 | 64.5 | 59.4 | 50.5 | 37.4 | 25.7 | 48.0 |
| 1975 | 27.7 | 29.8 | 36.9 | 40.9 | 51.2 | 61.8 | 68.0 | 66.0 | 58.2 | 49.3 | 36.1 | 28.5 | 46.2 |
| 1976 | 28.3 | 37.9 | 36.4 | 45.7 | 54.8 | 63.4 | 68.1 | 65.3 | 59.7 | 45.7 | 35.9 | 29.4 | 47.6 |
| 1977 | 25.2 | 33.6 | 35.9 | 46.7 | 53.2 | 64.9 | 68.8 | 68.2 | 61.7 | 52.1 | 39.1 | 35.5 | 48.8 |
| 1978 | 32.0 | 32.4 | 42.4 | 47.7 | 54.0 | 65.1 | 69.7 | 65.4 | 59.7 | 52.3 | 39.6 | 28.1 | 49.0 |
| 1979 | 25.2 | 30.8 | 37.6 | 46.3 | 52.7 | 62.5 | 68.2 | 65.0 | 63.0 | 51.8 | 34.6 | 31.4 | 47.4 |
| 1980 | 33.7 | 35.6 | 36.8 | 44.5 | 50.6 | 64.6 | 70.1 | 66.5 | 60.6 | 47.4 | 37.0 | 37.3 | 48.7 |
| 1981 | 34.7 | 35.4 | 36.7 | 49.2 | 54.4 | 67.0 | 68.5 | 67.2 | 61.1 | 49.1 | 40.9 | 34.4 | 49.9 |
| 1982 | 28.4 | 33.3 | 39.5 | 45.9 | 52.2 | 61.3 | 67.2 | 66.4 | 60.3 | 46.2 | 37.8 | 29.9 | 47.4 |
| 1983 | 31.0 | 34.7 | 38.9 | 40.6 | 52.7 | 60.8 | 68.3 | 66.5 | 63.2 | 51.1 | 38.5 | 35.1 | 48.5 |
| 1984 | 30.8 | 32.0 | 38.6 | 43.6 | 59.1 | 63.8 | 68.9 | 65.7 | 60.9 | 44.2 | 38.0 | 33.9 | 48.3 |
| 1985 | 28.7 | 28.8 | 40.1 | 47.9 | 55.0 | 64.8 | 69.1 | 66.0 | 56.8 | 49.2 | 37.0 | 30.7 | 47.8 |
| 1986 | 38.0 | 36.1 | 41.6 | 48.0 | 54.9 | 63.6 | 66.8 | 68.6 | 57.4 | 47.5 | 39.3 | 32.0 | 49.5 |
| 1987 | 29.5 | 32.8 | 35.7 | 48.1 | 53.5 | 64.4 | 66.0 | 64.6 | 58.8 | 52.5 | 37.3 | 29.8 | 47.7 |
| 1988 | 28.0 | 37.1 | 38.5 | 46.5 | 55.0 | 64.7 | 68.9 | 66.0 | 57.8 | 54.0 | 38.5 | 30.8 | 48.8 |
| 1989 | 28.7 | 38.2 | 44.0 | 52.0 | 57.7 | 64.5 | 70.5 | 66.4 | 61.5 | 49.3 | 37.9 | 30.0 | 50.1 |
| 1990 | 29.1 | 32.8 | 41.8 | 48.5 | 54.2 | 67.1 | 67.4 | 65.1 | 61.8 | 49.7 | 38.8 | 25.3 | 48.5 |
| 1991 | 30.2 | 37.8 | 37.1 | 44.7 | 53.7 | 60.7 | 67.9 | 66.7 | 60.9 | 49.8 | 38.1 | 32.1 | 48.3 |
| 1992 | 26.0 | 35.9 | 40.9 | 50.7 | 55.2 | 61.9 | 66.7 | 65.6 | 61.5 | 52.4 | 32.2 | 29.9 | 48.2 |
| 1993 | 35.0 | 35.6 | 40.3 | 47.3 | 56.0 | 63.2 | 68.0 | 66.3 | 59.2 | 48.4 | 35.8 | 30.6 | 48.8 |
| 1994 | 30.1 | 33.0 | 41.8 | 47.3 | 54.9 | 67.2 | 69.7 | 69.8 | 60.7 | 47.6 | 37.2 | 34.3 | 49.5 |
| 1995 | 30.7 | 40.1 | 41.4 | 43.9 | 51.8 | 61.3 | 68.7 | 70.6 | 61.8 | 49.9 | 42.4 | 33.3 | 49.7 |
| 1996 | 32.6 | 39.8 | 39.6 | 48.9 | 59.4 | 65.7 | 71.3 | 68.3 | 58.4 | 49.9 | 40.6 | 33.6 | 50.7 |
| 1997 | 30.1 | 35.1 | 42.8 | 45.7 | 57.6 | 62.6 | 67.7 | 67.5 | 64.3 | 48.7 | 39.1 | 27.4 | 49.0 |
| 1998 | 33.4 | 31.5 | 39.1 | 43.3 | 54.8 | 62.7 | 69.8 | 68.3 | 65.3 | 51.8 | 41.3 | 33.6 | 49.6 |
| 1999 | 33.7 | 37.8 | 44.6 | 46.5 | 55.4 | 63.9 | 68.6 | 67.0 | 61.5 | 51.5 | 43.8 | 30.2 | 50.4 |
| 2000 | 34.2 | 40.0 | 41.1 | 50.6 | 59.4 | 66.5 | 70.4 | 68.5 | 63.7 | 49.8 | 33.2 | 33.5 | 50.9 |
| 2001 | 29.4 | 35.0 | 41.0 | 48.4 | 57.8 | 65.0 | 70.0 | 67.4 | 62.7 | 53.0 | 40.9 | 30.0 | 50.1 |
| 2002 | 31.3 | 34.4 | 38.4 | 51.8 | 55.8 | 67.1 | 70.0 | 67.8 | 61.4 | 49.7 | 39.8 | 29.0 | 49.7 |
| 2003 | 38.0 | 35.1 | 38.8 | 46.1 | 58.0 | 64.7 | 73.1 | 69.2 | 62.3 | 55.3 | 39.1 | 33.0 | 51.1 |
| 2004 | 32.2 | 31.8 | 46.1 | 46.2 | 56.6 | 63.5 | 68.4 | 66.0 | 60.9 | 49.8 | 38.6 | 32.5 | 49.4 |
| 2005 | 36.7 | 37.5 | 39.5 | 48.1 | 57.3 | 63.5 | 70.7 | 66.6 | 63.3 | 52.4 | 42.1 | 33.3 | 50.9 |
| 2006 | 33.3 | 36.0 | 38.3 | 50.3 | 59.3 | 68.5 | 70.8 | 65.6 | 57.4 | 49.4 | 40.6 | 25.1 | 49.5 |
| 2007 | 25.0 | 33.8 | 41.8 | 47.7 | 56.1 | 65.5 | 69.6 | 68.6 | 62.9 | 51.2 | 43.6 | 32.5 | 49.9 |
| 2008 | | | | | | | | | | | | | |
| Average | 30.3 | 34.2 | 39.5 | 46.2 | 55.0 | 64.0 | 69.2 | 66.8 | 60.6 | 50.1 | 38.7 | 30.8 | 48.8 |
| 1991-2005 Av | 32.2 | 36.0 | 40.8 | 47.3 | 56.3 | 64.0 | 69.4 | 67.7 | 61.9 | 50.7 | 38.9 | 31.8 | 49.7 |

Appendix A

Fence Lake, NM NOAA Weather Station (293180) Total Monthly Precipitation

| Year | Values in Inches | | | | | | | | | | | | Annual |
|----------------|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | |
| 1964 | 0.66 | 0.98 | 0.87 | 1.24 | 0.00 | 0.00 | 1.38 | 1.19 | 2.44 | 0.09 | 0.74 | 1.18 | 10.77 |
| 1965 | 1.87 | 2.01 | 0.52 | 0.78 | 0.64 | 0.91 | 5.16 | 1.57 | 2.53 | 0.72 | 0.70 | 2.39 | 19.80 |
| 1966 | 0.83 | 0.96 | 0.28 | 0.46 | 0.00 | 0.05 | 0.64 | 2.12 | 1.72 | 0.16 | 0.49 | 1.05 | 8.76 |
| 1967 | 0.22 | 0.20 | 0.92 | 0.54 | 0.26 | 1.01 | 4.90 | 1.87 | 1.19 | 0.36 | 0.63 | 2.06 | 14.16 |
| 1968 | 0.05 | 0.81 | 0.83 | 1.12 | 0.45 | 0.42 | 1.59 | 2.88 | 0.61 | 0.70 | 0.99 | 1.26 | 11.71 |
| 1969 | 1.64 | 0.79 | 1.88 | 0.47 | 1.26 | 0.00 | 2.22 | 4.59 | 1.59 | 1.65 | 0.60 | 0.35 | 17.02 |
| 1970 | 0.97 | 0.15 | 1.42 | 0.77 | 0.25 | 0.74 | 0.54 | 2.02 | 1.11 | 1.29 | 0.00 | 0.61 | 9.87 |
| 1971 | 0.18 | 0.00 | 0.40 | 0.45 | 0.00 | 0.00 | 1.59 | 4.48 | 2.24 | 1.16 | 0.67 | 1.12 | 12.29 |
| 1972 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.56 | 1.32 | 2.01 | 1.15 | 5.77 | 1.28 | 1.04 | 15.13 |
| 1973 | 0.78 | 1.62 | 2.19 | 1.00 | 0.85 | 0.25 | 1.49 | 0.42 | 0.53 | 0.00 | 0.70 | 0.75 | 10.58 |
| 1974 | 0.78 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 2.58 | 0.46 | 4.36 | 0.16 | 0.54 | 10.42 |
| 1975 | 0.33 | 1.34 | 1.14 | 0.82 | 0.25 | 0.05 | 1.98 | 1.44 | 4.36 | 0.00 | 0.75 | 1.53 | 13.99 |
| 1976 | 0.28 | 0.31 | 1.14 | 0.18 | 0.93 | 0.13 | 3.13 | 2.50 | 0.91 | 0.72 | 0.54 | 0.46 | 11.23 |
| 1977 | 1.16 | 0.29 | 0.88 | 0.47 | 0.00 | 0.66 | 3.55 | 2.20 | 1.24 | 0.93 | 0.98 | 0.70 | 13.06 |
| 1978 | 1.56 | 2.33 | 3.01 | 0.30 | 0.83 | 0.00 | 1.16 | 1.54 | 0.49 | 0.68 | 2.04 | 1.44 | 15.38 |
| 1979 | 2.27 | 0.48 | 1.38 | 0.94 | 1.54 | 1.56 | 0.58 | 1.19 | 0.44 | 0.73 | 1.75 | 1.93 | 14.79 |
| 1980 | 1.35 | 2.96 | 1.19 | 1.14 | 0.19 | 0.00 | 2.64 | 1.61 | 1.39 | 0.00 | 0.60 | 0.56 | 13.63 |
| 1981 | 0.47 | 0.93 | 3.46 | 1.42 | 1.49 | 0.91 | 2.91 | 1.41 | 1.31 | 1.90 | 0.38 | 0.05 | 16.64 |
| 1982 | 2.54 | 1.84 | 1.51 | 0.00 | 0.64 | 0.00 | 1.58 | 5.68 | 1.25 | 0.10 | 2.14 | 1.72 | 19.00 |
| 1983 | 1.45 | 0.76 | 1.91 | 0.48 | 0.60 | 0.16 | 2.97 | 3.15 | 3.01 | 1.79 | 0.95 | 1.98 | 19.21 |
| 1984 | 0.11 | 0.00 | 1.62 | 1.42 | 0.07 | 0.18 | 1.32 | 2.96 | 2.99 | 2.37 | 0.54 | 1.33 | 14.91 |
| 1985 | 2.19 | 1.22 | 1.24 | 1.35 | 0.18 | 0.18 | 5.48 | 1.29 | 2.86 | 0.88 | 1.38 | 0.46 | 18.71 |
| 1986 | 0.07 | 1.01 | 1.64 | 0.33 | 0.59 | 1.31 | 2.85 | 1.12 | 2.18 | 2.42 | 2.33 | 2.68 | 18.53 |
| 1987 | 1.47 | 1.81 | 1.58 | 0.52 | 0.70 | 0.85 | 3.39 | 2.93 | 0.30 | 1.15 | 1.23 | 1.13 | 17.06 |
| 1988 | 0.77 | 1.01 | 0.00 | 2.31 | 0.12 | 1.82 | 2.17 | 5.52 | 1.41 | 0.52 | 0.54 | 0.47 | 16.66 |
| 1989 | 1.05 | 0.26 | 0.21 | 0.00 | 0.00 | 0.00 | 1.89 | 1.06 | 1.22 | 1.92 | 0.00 | 0.09 | 7.70 |
| 1990 | 0.56 | 0.27 | 0.44 | 0.65 | 1.06 | 0.71 | 3.17 | 2.99 | 1.88 | 0.70 | 1.04 | 2.73 | 16.20 |
| 1991 | 0.70 | 0.28 | 0.99 | 0.00 | 0.10 | 0.74 | 3.28 | 1.90 | 0.50 | 0.47 | 2.61 | 1.73 | 13.30 |
| 1992 | 0.92 | 0.54 | 1.93 | 0.04 | 3.50 | 0.50 | 1.95 | 3.16 | 0.87 | 1.33 | 1.17 | 1.10 | 17.01 |
| 1993 | 2.65 | 1.11 | 0.78 | 0.00 | 0.54 | 0.00 | 0.30 | 4.74 | 0.20 | 1.28 | 1.03 | 0.17 | 12.80 |
| 1994 | 0.41 | 0.88 | 1.22 | 1.19 | 0.34 | 0.33 | 2.67 | 3.57 | 2.46 | 2.62 | 1.12 | 0.88 | 17.69 |
| 1995 | 1.48 | 0.32 | 0.78 | 0.67 | 0.36 | 0.13 | 0.56 | 1.66 | 1.36 | 0.00 | 0.59 | 0.77 | 8.68 |
| 1996 | 0.38 | 1.14 | 0.85 | 0.12 | 0.00 | 0.68 | 2.03 | 1.04 | 3.73 | 2.16 | 0.85 | 0.79 | 13.77 |
| 1997 | 2.42 | 0.79 | 0.00 | 1.33 | 0.46 | 2.34 | 1.86 | 2.54 | 2.30 | 1.20 | 1.14 | 1.56 | 17.94 |
| 1998 | 0.49 | 1.95 | 2.38 | 1.50 | 0.12 | 0.12 | 2.80 | 2.06 | 0.82 | 2.76 | 0.58 | 0.49 | 16.07 |
| 1999 | 0.23 | 0.16 | 0.07 | 1.29 | 0.55 | 0.27 | 2.75 | 2.32 | 1.55 | 0.00 | 0.00 | 0.18 | 9.37 |
| 2000 | 0.17 | 0.23 | 1.80 | 0.07 | 0.00 | 0.60 | 0.78 | 3.29 | 0.05 | 3.66 | 0.49 | 0.67 | 11.81 |
| 2001 | 1.16 | 0.70 | 0.34 | 0.42 | 0.54 | 0.21 | 0.88 | 4.30 | 1.56 | 0.49 | 0.85 | 0.83 | 12.28 |
| 2002 | 1.00 | 0.13 | 0.05 | 0.13 | 0.00 | 0.00 | 2.93 | 1.85 | 4.22 | 1.22 | 1.06 | 1.75 | 14.34 |
| 2003 | 0.31 | 1.39 | 1.10 | 0.05 | 0.00 | 0.93 | 2.39 | 2.17 | 1.38 | 0.63 | 1.31 | 0.83 | 12.49 |
| 2004 | 0.73 | 0.46 | 0.82 | 1.14 | 0.00 | 0.53 | 1.17 | 1.51 | 1.23 | 1.07 | 1.44 | 0.86 | 10.96 |
| 2005 | 1.89 | 2.44 | 1.39 | 1.00 | 0.07 | 0.71 | 1.09 | 3.05 | 2.34 | 0.36 | 0.45 | 0.13 | 14.92 |
| 2006 | 0.20 | 0.00 | 1.80 | 0.38 | 0.07 | 0.60 | 2.91 | 6.78 | 1.08 | 1.68 | 0.20 | 1.60 | 17.30 |
| 2007 | 0.99 | 1.14 | 0.23 | 0.37 | 1.33 | 0.24 | 2.71 | 3.57 | 1.05 | | | 1.81 | 13.44 |
| 2008 | | | | | | | | | | | | | |
| Average | 0.95 | 0.87 | 1.10 | 0.66 | 0.47 | 0.53 | 2.18 | 2.59 | 1.58 | 1.26 | 0.91 | 1.09 | 14.12 |
| 991-2005 Av | 1.00 | 0.83 | 0.97 | 0.60 | 0.44 | 0.54 | 1.83 | 2.61 | 1.64 | 1.28 | 0.98 | 0.85 | 13.56 |

Appendix A

Fence Lake, NM NOAA Weather Station (293180) Frost Dates

| Year | Spring 28 | Spring 32 | Fall 32 | Fall 28 |
|----------------|-------------|------------|-------------|-------------|
| 1964 | 5/9 | 5/15 | 10/12 | 10/12 |
| 1965 | 5/26 | 6/2 | 9/20 | 9/21 |
| 1966 | 4/24 | 4/25 | 10/14 | 10/14 |
| 1967 | 5/15 | 5/16 | 9/14 | 10/6 |
| 1968 | 5/18 | 6/11 | 8/23 | 9/17 |
| 1969 | 4/27 | 6/10 | 9/24 | 10/5 |
| 1970 | 6/1 | 6/16 | 9/15 | 9/15 |
| 1971 | 6/4 | 6/8 | 9/19 | 9/19 |
| 1972 | 5/23 | 5/27 | 9/22 | 10/22 |
| 1973 | 5/8 | 6/1 | 9/26 | 9/28 |
| 1974 | 6/9 | 6/9 | 9/28 | 9/28 |
| 1975 | 6/11 | 6/11 | 9/23 | 10/14 |
| 1976 | 6/15 | 6/25 | 9/28 | 10/5 |
| 1977 | 5/27 | 5/28 | 10/11 | 10/12 |
| 1978 | 5/9 | 6/3 | 9/16 | 10/13 |
| 1979 | 5/13 | 6/20 | 10/9 | 10/16 |
| 1980 | 6/4 | 6/7 | 9/25 | 10/16 |
| 1981 | 5/9 | 6/16 | 10/14 | 10/16 |
| 1982 | 6/9 | 6/9 | 9/29 | 9/29 |
| 1983 | 5/17 | 6/14 | 9/21 | 10/22 |
| 1984 | 5/8 | 6/17 | 10/7 | 10/16 |
| 1985 | 5/14 | 6/3 | 9/12 | 10/11 |
| 1986 | 5/12 | 5/31 | 9/11 | 9/30 |
| 1987 | 5/26 | 6/3 | 10/1 | 10/19 |
| 1988 | 5/31 | 6/1 | 9/23 | 9/29 |
| 1989 | 5/12 | 6/1 | 9/14 | 9/21 |
| 1990 | 5/13 | 6/2 | 10/4 | 10/9 |
| 1991 | 5/30 | 6/22 | 10/2 | 10/25 |
| 1992 | 4/21 | 6/17 | 9/26 | 10/7 |
| 1993 | 5/10 | 6/7 | 9/19 | 9/25 |
| 1994 | 5/20 | 5/21 | 10/6 | 10/8 |
| 1995 | 6/18 | 6/18 | 9/30 | 10/5 |
| 1996 | 4/30 | 5/8 | 9/28 | 10/21 |
| 1997 | 4/26 | 5/27 | 10/8 | 10/8 |
| 1998 | 5/16 | 6/8 | 9/26 | 10/5 |
| 1999 | 6/5 | 6/7 | 9/29 | 10/17 |
| 2000 | 5/19 | 5/19 | 9/25 | 9/25 |
| 2001 | 6/14 | 6/15 | 9/9 | 9/9 |
| 2002 | 5/23 | 5/25 | 10/3 | 10/3 |
| 2003 | 5/12 | 5/19 | 9/21 | 10/24 |
| 2004 | 5/23 | 6/11 | 9/22 | 9/22 |
| 2005 | 4/22 | 5/13 | 10/10 | 10/12 |
| 2006 | 4/28 | 5/23 | 9/17 | 9/17 |
| 2007 | 6/7 | 6/8 | 9/30 | 10/7 |
| 2008 | | | | |
| Average | 5/19 | 6/3 | 9/25 | 10/5 |
| 1991-2005 Av | 5/17 | 6/1 | 9/27 | 10/6 |

Appendix A

Gallup, NM NOAA Weather Station (293422) Average of Maximum Temperature

| Year | Values in Degrees F | | | | | | | | | | | | Annual |
|----------------|---------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | |
| 1973 | 44.2 | 49.0 | 56.0 | 64.7 | 74.2 | 84.9 | 86.1 | 85.3 | 77.8 | 69.8 | 55.6 | 48.1 | 66.3 |
| 1974 | 40.4 | 46.3 | 60.3 | 63.2 | 77.9 | 88.3 | 84.1 | 83.7 | 76.7 | 64.7 | 54.2 | 42.7 | 65.2 |
| 1975 | 43.7 | 44.8 | 51.0 | 57.1 | 68.6 | 82.4 | 83.8 | 84.3 | 74.3 | 68.2 | 54.3 | 42.8 | 63.0 |
| 1976 | 44.7 | 52.9 | 53.6 | 64.0 | 73.1 | 83.7 | 85.8 | 83.2 | 75.6 | 63.9 | 55.6 | 46.1 | 65.2 |
| 1977 | 38.6 | 50.1 | 52.0 | 65.5 | 71.3 | 84.8 | 85.3 | 85.1 | 78.2 | 69.9 | 56.7 | 50.8 | 65.7 |
| 1978 | 44.1 | 45.5 | 56.5 | 65.3 | 70.8 | 85.7 | 89.5 | 84.9 | 77.6 | 70.7 | 51.9 | 39.3 | 65.2 |
| 1979 | 35.5 | 45.4 | 50.9 | 64.4 | 68.4 | 81.7 | 89.2 | 83.7 | 82.6 | 71.8 | 47.8 | 48.1 | 64.1 |
| 1980 | 41.9 | 49.4 | 50.9 | 61.8 | 70.1 | 87.2 | 90.3 | 85.5 | 79.7 | 66.4 | 57.4 | 53.8 | 66.2 |
| 1981 | 51.1 | 53.5 | 51.4 | 68.4 | 72.3 | 86.4 | 87.0 | 84.7 | 78.3 | 64.9 | 59.2 | 50.6 | 67.3 |
| 1982 | 40.5 | 44.8 | 53.2 | 64.1 | 71.9 | 83.1 | 86.3 | 83.2 | 77.4 | 64.6 | 50.0 | 41.8 | 63.4 |
| 1983 | 44.0 | 48.4 | 52.3 | 56.1 | 71.5 | 80.6 | 86.2 | 84.6 | 80.8 | 66.6 | 51.7 | 44.5 | 63.9 |
| 1984 | 44.7 | 50.3 | 56.2 | 60.1 | 79.9 | 82.5 | 87.0 | 83.3 | 78.6 | 57.0 | 53.9 | 43.6 | 64.8 |
| 1985 | 41.1 | 45.0 | 53.2 | 66.3 | 72.5 | 86.2 | 87.5 | 86.4 | 74.3 | 66.5 | 51.8 | 49.5 | 65.0 |
| 1986 | 54.8 | 50.9 | 59.3 | 64.3 | 73.3 | 82.3 | 84.2 | 85.5 | 73.9 | 64.0 | 53.0 | 44.5 | 65.8 |
| 1987 | 42.3 | 45.5 | 51.0 | 66.5 | 70.6 | 84.3 | 86.1 | 81.6 | 77.8 | 71.1 | 52.4 | 42.8 | 64.3 |
| 1988 | 41.8 | 51.9 | 56.4 | 63.9 | 73.2 | 84.5 | 86.9 | 81.9 | 77.3 | 73.1 | 53.5 | 45.4 | 65.8 |
| 1989 | 41.6 | 49.1 | 63.4 | 73.2 | 78.8 | 85.6 | 89.5 | 84.9 | 81.8 | 66.7 | 57.8 | 50.0 | 68.5 |
| 1990 | 46.3 | 48.2 | 57.1 | 66.7 | 73.4 | 89.2 | 85.0 | 83.5 | 78.6 | 69.1 | 53.8 | 37.1 | 65.7 |
| 1991 | 38.5 | 49.0 | 50.4 | 63.9 | 74.1 | 80.6 | 86.0 | 84.2 | 79.7 | 71.5 | 51.2 | 40.0 | 64.1 |
| 1992 | 40.4 | 48.7 | 55.5 | 70.2 | 71.9 | 82.0 | 85.5 | 85.7 | 81.8 | 72.0 | 48.5 | 36.1 | 64.9 |
| 1993 | 45.2 | 47.4 | 59.7 | 67.3 | 75.9 | 84.6 | 88.9 | 83.7 | 80.1 | 67.5 | 52.5 | 47.6 | 66.7 |
| 1994 | 49.8 | 47.0 | 59.2 | 64.9 | 75.0 | 89.6 | 90.9 | 88.9 | 79.6 | 65.4 | 49.3 | 47.8 | 67.3 |
| 1995 | 43.8 | 57.7 | 57.1 | 61.2 | 69.0 | 82.6 | 89.6 | 88.5 | 80.8 | 71.8 | 61.7 | 47.5 | 67.6 |
| 1996 | 47.9 | 54.9 | 57.3 | 68.1 | 80.7 | 86.4 | 90.9 | 86.8 | 74.2 | 65.2 | 54.1 | 47.8 | 67.9 |
| 1997 | 41.0 | 49.3 | 62.6 | 61.1 | 76.8 | 81.9 | 87.2 | 85.7 | 81.9 | 67.2 | 55.5 | 41.5 | 66.0 |
| 1998 | 46.9 | 44.2 | 54.2 | 60.8 | 74.0 | 83.0 | 88.5 | 88.2 | 83.3 | 66.7 | 57.2 | 49.2 | 66.3 |
| 1999 | 52.5 | 56.1 | 63.7 | 61.1 | 73.0 | 85.0 | 85.8 | 82.6 | 77.0 | 73.4 | 65.8 | 46.9 | 68.6 |
| 2000 | 51.4 | 56.3 | 56.9 | 70.5 | 81.8 | 88.5 | 92.0 | 89.3 | 83.8 | 63.6 | 44.3 | 47.7 | 68.8 |
| 2001 | 38.2 | 45.8 | 56.7 | 64.9 | 76.5 | 86.7 | 87.7 | 84.5 | 82.4 | 71.9 | 55.8 | 44.2 | 66.3 |
| 2002 | 45.4 | 50.9 | 57.5 | 70.5 | 77.2 | 89.5 | 88.4 | 86.0 | 76.5 | 63.1 | 54.0 | 40.1 | 66.6 |
| 2003 | 52.0 | 47.3 | 54.6 | 63.6 | 76.5 | 84.9 | 92.9 | 85.0 | 79.9 | 72.4 | 52.8 | 46.6 | 67.4 |
| 2004 | 42.1 | 44.1 | 63.7 | 61.8 | 76.9 | 85.1 | 87.6 | 83.5 | 76.3 | 64.3 | 50.8 | 44.8 | 65.1 |
| 2005 | 47.3 | 46.3 | 52.1 | 64.2 | 75.5 | 82.6 | 91.7 | 83.1 | 80.5 | 68.6 | 58.4 | 49.0 | 66.6 |
| 2006 | 49.6 | 54.4 | 53.0 | 68.7 | 79.3 | 88.9 | 87.5 | 81.2 | 73.5 | 63.1 | 57.6 | 44.7 | 66.8 |
| 2007 | 39.7 | 48.1 | 59.2 | 65.1 | 73.2 | 86.3 | 89.0 | 86.9 | 80.5 | 69.5 | 60.8 | 40.1 | 66.5 |
| 2008 | 38.0 | 45.0 | 56.9 | 64.5 | 70.7 | 85.8 | 85.7 | 86.4 | 80.5 | 70.0 | 58.1 | 43.7 | 65.5 |
| Average | 44.2 | 49.0 | 56.0 | 64.7 | 74.2 | 84.9 | 87.7 | 84.9 | 78.7 | 67.7 | 54.4 | 45.2 | 66.0 |
| 1991-2005 Av | 45.5 | 49.7 | 57.4 | 64.9 | 75.7 | 84.9 | 88.9 | 85.7 | 79.8 | 68.3 | 54.1 | 45.1 | 66.7 |

Appendix A

Gallup, NM NOAA Weather Station (293422)

Average of Minimum Temperature

| Year | Values in Degrees F | | | | | | | | | | | | Annual |
|----------------|---------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | |
| 1973 | 13.6 | 18.3 | 22.8 | 28.2 | 36.7 | 45.0 | 51.7 | 49.4 | 38.4 | 25.7 | 20.1 | 9.8 | 30.0 |
| 1974 | 14.1 | 11.4 | 24.7 | 23.1 | 36.4 | 46.9 | 54.9 | 50.5 | 43.2 | 37.8 | 20.9 | 8.8 | 31.1 |
| 1975 | 10.1 | 15.7 | 24.1 | 25.3 | 31.7 | 41.0 | 54.2 | 49.4 | 45.1 | 28.5 | 13.9 | 9.2 | 29.0 |
| 1976 | 10.2 | 20.9 | 18.5 | 26.4 | 38.7 | 43.8 | 56.0 | 50.3 | 45.5 | 29.5 | 14.7 | 7.6 | 30.2 |
| 1977 | 6.9 | 16.4 | 19.2 | 28.4 | 35.8 | 48.0 | 56.7 | 56.5 | 49.3 | 35.8 | 23.8 | 19.3 | 33.0 |
| 1978 | 21.2 | 23.1 | 28.8 | 30.9 | 37.2 | 47.3 | 54.5 | 52.0 | 47.3 | 33.9 | 29.6 | 12.3 | 34.8 |
| 1979 | 12.7 | 16.4 | 25.0 | 29.4 | 38.7 | 45.1 | 52.6 | 49.9 | 44.9 | 32.9 | 18.3 | 14.6 | 31.7 |
| 1980 | 24.8 | 22.4 | 23.2 | 27.7 | 35.2 | 44.5 | 54.5 | 53.8 | 44.5 | 28.2 | 18.2 | 19.7 | 33.1 |
| 1981 | 15.3 | 16.7 | 24.6 | 31.9 | 38.8 | 50.4 | 57.7 | 53.9 | 46.6 | 34.0 | 20.6 | 15.6 | 33.8 |
| 1982 | 12.9 | 19.9 | 26.8 | 30.9 | 36.1 | 43.2 | 52.5 | 55.2 | 47.3 | 26.5 | 24.3 | 15.7 | 32.6 |
| 1983 | 14.2 | 23.0 | 26.9 | 25.8 | 33.2 | 44.1 | 53.1 | 55.2 | 48.1 | 35.1 | 21.2 | 22.9 | 33.6 |
| 1984 | 13.1 | 13.0 | 19.3 | 24.2 | 40.7 | 47.6 | 55.4 | 54.3 | 46.8 | 32.9 | 20.4 | 20.3 | 32.3 |
| 1985 | 18.7 | 16.6 | 27.4 | 30.1 | 39.9 | 46.8 | 53.5 | 53.1 | 41.0 | 33.4 | 24.7 | 13.0 | 33.2 |
| 1986 | 12.0 | 20.1 | 25.3 | 31.4 | 37.8 | 49.5 | 54.6 | 55.4 | 43.4 | 30.9 | 24.4 | 18.5 | 33.6 |
| 1987 | 9.9 | 21.1 | 20.6 | 29.5 | 38.9 | 46.0 | 51.5 | 52.1 | 41.0 | 32.7 | 22.0 | 12.3 | 31.5 |
| 1988 | 12.6 | 20.8 | 16.1 | 29.3 | 35.6 | 49.1 | 54.8 | 55.6 | 41.1 | 33.6 | 20.8 | 13.5 | 31.9 |
| 1989 | 9.4 | 19.1 | 26.1 | 31.3 | 38.8 | 45.5 | 55.7 | 52.4 | 44.1 | 31.7 | 18.3 | 8.1 | 31.7 |
| 1990 | 8.2 | 14.7 | 25.3 | 33.0 | 39.9 | 49.5 | 55.6 | 52.3 | 49.3 | 31.5 | 22.1 | 4.3 | 32.1 |
| 1991 | 9.6 | 18.3 | 23.8 | 27.6 | 35.8 | 44.4 | 54.0 | 53.7 | 44.2 | 25.9 | 19.7 | 16.1 | 31.1 |
| 1992 | 8.3 | 22.0 | 22.5 | 28.0 | 40.0 | 39.5 | 48.6 | 48.5 | 38.2 | 28.1 | 14.4 | 4.5 | 28.5 |
| 1993 | 22.6 | 21.9 | 18.6 | 20.7 | 34.7 | 38.3 | 48.6 | 50.4 | 34.9 | 25.9 | 14.3 | 8.1 | 28.3 |
| 1994 | 4.4 | 15.0 | 21.2 | 26.3 | 33.5 | 43.7 | 50.2 | 53.7 | 41.8 | 26.8 | 17.9 | 14.8 | 29.1 |
| 1995 | 19.1 | 20.3 | 23.2 | 24.6 | 32.7 | 36.3 | 46.6 | 53.2 | 41.8 | 21.3 | 17.3 | 9.5 | 28.8 |
| 1996 | 14.9 | 19.6 | 17.7 | 24.6 | 35.4 | 45.2 | 52.7 | 52.5 | 42.2 | 30.1 | 21.2 | 15.7 | 31.0 |
| 1997 | 13.1 | 17.7 | 19.6 | 27.0 | 36.8 | 42.7 | 48.7 | 51.6 | 48.3 | 26.3 | 20.4 | 12.4 | 30.4 |
| 1998 | 18.0 | 19.8 | 22.9 | 24.0 | 31.8 | 39.3 | 54.3 | 51.3 | 43.7 | 29.9 | 20.2 | 12.6 | 30.6 |
| 1999 | 10.1 | 12.3 | 19.2 | 23.3 | 32.9 | 39.4 | 54.6 | 52.2 | 41.4 | 23.8 | 14.8 | 5.6 | 27.5 |
| 2000 | 13.4 | 19.1 | 22.0 | 28.2 | 35.2 | 47.6 | 52.7 | 52.5 | 43.3 | 34.7 | 17.6 | 12.2 | 31.5 |
| 2001 | 9.1 | 17.8 | 23.7 | 31.0 | 36.6 | 45.0 | 56.4 | 51.8 | 42.3 | 31.9 | 23.7 | 9.8 | 31.6 |
| 2002 | 12.4 | 10.1 | 16.3 | 32.2 | 35.3 | 46.0 | 55.1 | 50.8 | 44.8 | 33.2 | 20.7 | 14.5 | 30.9 |
| 2003 | 18.6 | 18.9 | 21.0 | 26.4 | 37.2 | 44.6 | 55.5 | 55.6 | 43.4 | 35.1 | 22.6 | 13.9 | 32.7 |
| 2004 | 16.9 | 16.2 | 25.7 | 30.8 | 35.1 | 44.5 | 50.5 | 49.2 | 42.2 | 32.3 | 21.5 | 15.1 | 31.7 |
| 2005 | 23.9 | 26.0 | 23.7 | 28.4 | 38.4 | 41.7 | 53.1 | 52.5 | 45.2 | 33.0 | 17.3 | 8.7 | 32.7 |
| 2006 | 10.0 | 10.7 | 21.7 | 30.2 | 37.5 | 46.8 | 57.3 | 54.2 | 39.9 | 33.3 | 17.6 | 12.4 | 31.0 |
| 2007 | 14.1 | 22.3 | 27.0 | 33.8 | 42.9 | 51.0 | 59.2 | 58.9 | 49.9 | 35.4 | 27.4 | 19.3 | 36.8 |
| 2008 | 12.2 | 19.7 | 25.3 | 30.5 | 38.4 | 50.8 | 57.8 | 57.1 | 41.3 | 28.2 | 19.1 | 15.7 | 33.0 |
| Average | 13.6 | 18.3 | 22.8 | 28.2 | 36.7 | 45.0 | 53.8 | 52.8 | 43.8 | 30.8 | 20.2 | 13.0 | 31.6 |
| 1991-2005 Av | 14.3 | 18.3 | 21.4 | 26.9 | 35.4 | 42.5 | 52.1 | 52.0 | 42.5 | 29.2 | 18.9 | 11.6 | 30.4 |

Appendix A

Gallup, NM NOAA Weather Station (293422) Average Monthly Temperature

| Year | Values in Degrees F | | | | | | | | | | | | Annual |
|----------------|---------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | |
| 1973 | 28.9 | 33.6 | 39.4 | 46.4 | 55.4 | 65.0 | 68.9 | 67.3 | 58.1 | 47.8 | 37.8 | 28.9 | 48.1 |
| 1974 | 27.3 | 28.8 | 42.5 | 43.2 | 57.1 | 67.6 | 69.5 | 67.1 | 60.0 | 51.3 | 37.5 | 25.8 | 48.1 |
| 1975 | 26.9 | 30.3 | 37.5 | 41.2 | 50.2 | 61.7 | 69.0 | 66.8 | 59.7 | 48.3 | 34.1 | 26.0 | 46.0 |
| 1976 | 27.5 | 36.9 | 36.1 | 45.2 | 55.9 | 63.7 | 70.9 | 66.8 | 60.6 | 46.7 | 35.2 | 26.9 | 47.7 |
| 1977 | 22.8 | 33.3 | 35.6 | 46.9 | 53.5 | 66.4 | 71.0 | 70.8 | 63.8 | 52.8 | 40.2 | 35.0 | 49.3 |
| 1978 | 32.6 | 34.3 | 42.7 | 48.1 | 54.0 | 66.5 | 72.0 | 68.5 | 62.4 | 52.3 | 40.7 | 25.8 | 50.0 |
| 1979 | 24.1 | 30.9 | 37.9 | 46.9 | 53.5 | 63.4 | 70.9 | 66.8 | 63.8 | 52.4 | 33.1 | 31.3 | 47.9 |
| 1980 | 33.4 | 35.9 | 37.1 | 44.7 | 52.6 | 65.9 | 72.4 | 69.6 | 62.1 | 47.3 | 37.8 | 36.7 | 49.6 |
| 1981 | 33.2 | 35.1 | 38.0 | 50.1 | 55.5 | 68.4 | 72.3 | 69.3 | 62.5 | 49.5 | 39.9 | 33.1 | 50.6 |
| 1982 | 26.7 | 32.3 | 40.0 | 47.5 | 54.0 | 63.2 | 69.4 | 69.2 | 62.4 | 45.5 | 37.2 | 28.8 | 48.0 |
| 1983 | 29.1 | 35.7 | 39.6 | 40.9 | 52.4 | 62.3 | 69.6 | 69.9 | 64.4 | 50.8 | 36.5 | 33.7 | 48.7 |
| 1984 | 28.9 | 31.7 | 37.7 | 42.2 | 60.3 | 65.1 | 71.2 | 68.8 | 62.7 | 45.0 | 37.2 | 32.0 | 48.5 |
| 1985 | 29.9 | 30.8 | 40.3 | 48.2 | 56.2 | 66.5 | 70.5 | 69.8 | 57.7 | 49.9 | 38.3 | 31.2 | 49.1 |
| 1986 | 33.4 | 35.5 | 42.3 | 47.9 | 55.6 | 65.9 | 69.4 | 70.5 | 58.7 | 47.4 | 38.7 | 31.5 | 49.7 |
| 1987 | 26.1 | 33.3 | 35.8 | 48.0 | 54.8 | 65.2 | 68.8 | 66.9 | 59.4 | 51.9 | 37.2 | 27.5 | 47.9 |
| 1988 | 27.2 | 36.3 | 36.2 | 46.6 | 54.4 | 66.8 | 70.9 | 68.8 | 59.2 | 53.4 | 37.1 | 29.5 | 48.9 |
| 1989 | 25.5 | 34.1 | 44.7 | 52.2 | 58.8 | 65.6 | 72.6 | 68.7 | 63.0 | 49.2 | 38.1 | 29.0 | 50.1 |
| 1990 | 27.2 | 31.4 | 41.2 | 49.9 | 56.7 | 69.4 | 70.3 | 67.9 | 64.0 | 50.3 | 37.9 | 20.7 | 48.9 |
| 1991 | 24.0 | 33.6 | 37.1 | 45.8 | 54.9 | 62.5 | 70.0 | 69.0 | 62.0 | 48.7 | 35.5 | 28.1 | 47.6 |
| 1992 | 24.3 | 35.3 | 39.0 | 49.1 | 55.9 | 60.7 | 67.1 | 67.1 | 60.0 | 50.1 | 31.5 | 20.3 | 46.7 |
| 1993 | 33.9 | 34.6 | 39.2 | 44.0 | 55.3 | 61.5 | 68.8 | 67.1 | 57.5 | 46.7 | 33.4 | 27.8 | 47.5 |
| 1994 | 27.1 | 31.0 | 40.2 | 45.6 | 54.2 | 66.7 | 70.5 | 71.3 | 60.7 | 46.1 | 33.6 | 31.3 | 48.2 |
| 1995 | 31.5 | 39.0 | 40.2 | 42.9 | 50.9 | 59.4 | 68.1 | 70.9 | 61.3 | 46.5 | 39.5 | 28.5 | 48.2 |
| 1996 | 31.4 | 37.2 | 37.5 | 46.4 | 58.0 | 65.8 | 71.8 | 69.6 | 58.2 | 47.6 | 37.7 | 31.8 | 49.4 |
| 1997 | 27.0 | 33.5 | 41.1 | 44.0 | 56.8 | 62.3 | 67.9 | 68.7 | 65.1 | 46.7 | 38.0 | 26.9 | 48.2 |
| 1998 | 32.5 | 32.0 | 38.5 | 42.4 | 52.9 | 61.1 | 71.4 | 69.7 | 63.5 | 48.3 | 38.7 | 30.9 | 48.5 |
| 1999 | 31.3 | 34.2 | 41.5 | 42.2 | 53.0 | 62.2 | 70.2 | 67.4 | 59.2 | 48.6 | 40.3 | 26.2 | 48.0 |
| 2000 | 32.4 | 37.7 | 39.5 | 49.4 | 58.5 | 68.1 | 72.4 | 70.9 | 63.5 | 49.2 | 30.9 | 30.0 | 50.2 |
| 2001 | 23.6 | 31.8 | 40.2 | 47.9 | 56.6 | 65.9 | 72.0 | 68.1 | 62.3 | 51.9 | 39.7 | 27.0 | 48.9 |
| 2002 | 28.9 | 30.5 | 36.9 | 51.3 | 56.2 | 67.8 | 71.7 | 68.4 | 60.7 | 48.1 | 37.3 | 27.3 | 48.8 |
| 2003 | 35.3 | 33.1 | 37.8 | 45.0 | 56.9 | 64.7 | 74.2 | 70.3 | 61.7 | 53.8 | 37.7 | 30.3 | 50.1 |
| 2004 | 29.5 | 30.2 | 44.7 | 46.3 | 56.0 | 64.8 | 69.1 | 66.4 | 59.2 | 48.3 | 36.2 | 29.9 | 48.4 |
| 2005 | 35.6 | 36.1 | 37.9 | 46.3 | 57.0 | 62.2 | 72.4 | 67.8 | 62.8 | 50.8 | 37.9 | 28.9 | 49.6 |
| 2006 | 29.8 | 32.6 | 37.4 | 49.5 | 58.4 | 67.9 | 72.4 | 67.7 | 56.7 | 48.2 | 37.6 | 28.5 | 48.9 |
| 2007 | 26.9 | 35.2 | 43.1 | 49.5 | 58.0 | 68.6 | 74.1 | 72.9 | 65.2 | 52.4 | 44.1 | 29.7 | 51.6 |
| 2008 | 25.1 | 32.3 | 41.1 | 47.5 | 54.5 | 68.3 | 71.8 | 71.7 | 60.9 | 49.1 | 38.6 | 29.7 | 49.2 |
| Average | 28.9 | 33.6 | 39.4 | 46.4 | 55.4 | 65.0 | 70.7 | 68.8 | 61.2 | 49.2 | 37.3 | 29.1 | 48.8 |
| 1991-2005 Av | 29.9 | 34.0 | 39.4 | 45.9 | 55.5 | 63.7 | 70.5 | 68.8 | 61.2 | 48.8 | 36.5 | 28.3 | 48.5 |

Appendix A

Gallup, NM NOAA Weather Station (293422) Total Monthly Precipitation

| Year | Values in Inches | | | | | | | | | | | | Annual |
|----------------|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | |
| 1973 | 0.86 | 1.32 | 2.24 | 0.76 | 0.95 | 0.30 | 0.96 | 1.20 | 0.63 | 0.28 | 0.33 | 0.11 | 9.92 |
| 1974 | 1.65 | 0.37 | 0.34 | 0.38 | 0.00 | 0.06 | 1.98 | 1.43 | 0.84 | 3.69 | 0.32 | 0.07 | 11.13 |
| 1975 | 0.58 | 0.78 | 1.20 | 0.47 | 0.32 | 0.00 | 2.39 | 2.18 | 2.88 | 0.00 | 0.69 | 0.26 | 11.75 |
| 1976 | 0.02 | 0.09 | 0.35 | 0.04 | 0.58 | 0.26 | 2.13 | 1.86 | 1.15 | 0.37 | 0.54 | 0.25 | 7.64 |
| 1977 | 0.59 | 0.24 | 0.17 | 0.04 | 0.24 | 0.43 | 3.14 | 1.43 | 0.79 | 0.84 | 1.07 | 0.08 | 9.06 |
| 1978 | 0.65 | 0.78 | 0.97 | 0.23 | 1.28 | 0.00 | 0.10 | 0.68 | 0.56 | 2.15 | 2.67 | 2.26 | 12.33 |
| 1979 | 1.41 | 0.53 | 1.45 | 0.08 | 1.98 | 0.58 | 0.33 | 0.79 | 0.11 | 1.26 | 1.40 | 0.49 | 10.41 |
| 1980 | 2.43 | 2.22 | 1.38 | 0.45 | 0.13 | 0.00 | 0.36 | 1.01 | 0.82 | 0.72 | 0.11 | 0.51 | 10.14 |
| 1981 | 0.08 | 0.31 | 1.82 | 0.35 | 0.53 | 0.83 | 3.59 | 1.05 | 1.34 | 0.73 | 0.36 | 0.06 | 11.05 |
| 1982 | 0.90 | 0.82 | 1.49 | 0.18 | 1.09 | 0.05 | 1.08 | 4.59 | 0.75 | 0.21 | 1.25 | 1.29 | 13.70 |
| 1983 | 1.02 | 0.50 | 1.43 | 0.37 | 0.42 | 0.13 | 3.13 | 1.44 | 0.98 | 1.01 | 1.08 | 1.54 | 13.05 |
| 1984 | 0.16 | 0.11 | 1.01 | 0.55 | 0.13 | 0.02 | 1.82 | 2.91 | 1.79 | 1.63 | 0.30 | 1.41 | 11.84 |
| 1985 | 0.94 | 0.40 | 1.37 | 2.00 | 0.58 | 0.60 | 1.90 | 1.57 | 1.29 | 1.13 | 0.71 | 0.16 | 12.65 |
| 1986 | 0.09 | 0.82 | 1.00 | 0.72 | 1.21 | 1.06 | 2.28 | 2.07 | 1.59 | 1.11 | 2.04 | 0.79 | 14.78 |
| 1987 | 0.75 | 1.25 | 0.66 | 0.65 | 0.92 | 0.36 | 2.40 | 2.19 | 0.15 | 1.16 | 1.74 | 0.82 | 13.05 |
| 1988 | 1.87 | 0.28 | 0.07 | 3.18 | 0.20 | 1.33 | 0.68 | 2.97 | 1.07 | 0.08 | 1.01 | 0.34 | 13.08 |
| 1989 | 0.76 | 1.05 | 0.11 | 0.00 | 0.06 | 0.07 | 1.42 | 1.06 | 0.05 | 0.79 | 0.02 | 0.05 | 5.44 |
| 1990 | 0.06 | 0.42 | 0.67 | 0.68 | 0.83 | 0.73 | 2.32 | 2.08 | 1.62 | 1.17 | 1.38 | 1.88 | 13.84 |
| 1991 | 1.29 | 0.27 | 1.48 | 0.20 | 0.05 | 1.76 | 0.95 | 1.86 | 0.55 | 0.39 | 2.40 | 1.39 | 12.59 |
| 1992 | 0.88 | 0.46 | 1.12 | 0.33 | 2.22 | 0.32 | 1.56 | 3.23 | 0.24 | 1.40 | 0.62 | 1.70 | 14.08 |
| 1993 | 2.60 | 0.88 | 0.29 | 0.05 | 0.59 | 0.01 | 0.05 | 3.27 | 0.82 | 1.12 | 1.05 | 0.37 | 11.10 |
| 1994 | 0.23 | 1.24 | 0.90 | 0.65 | 0.98 | 1.21 | 0.33 | 1.89 | 2.22 | 1.23 | 1.14 | 0.61 | 12.63 |
| 1995 | 1.07 | 1.33 | 0.92 | 0.49 | 1.02 | 0.12 | 0.56 | 2.29 | 1.67 | 0.01 | 0.38 | 1.05 | 10.91 |
| 1996 | 0.11 | 0.59 | 0.28 | 0.11 | 0.00 | 0.83 | 0.65 | 0.80 | 2.06 | 1.71 | 1.26 | 0.06 | 8.46 |
| 1997 | 1.97 | 0.73 | 0.01 | 0.95 | 0.93 | 1.21 | 1.32 | 2.90 | 2.59 | 1.01 | 0.90 | 1.31 | 15.83 |
| 1998 | 0.42 | 1.56 | 1.97 | 0.32 | 0.02 | 0.00 | 3.27 | 0.68 | 0.81 | 2.15 | 0.92 | 0.29 | 12.41 |
| 1999 | 0.26 | 0.35 | 0.08 | 0.89 | 0.88 | 0.13 | 2.13 | 6.09 | 1.53 | 0.00 | 0.00 | 0.12 | 12.46 |
| 2000 | 0.45 | 0.40 | 2.05 | 0.07 | 0.05 | 0.55 | 0.60 | 0.90 | 0.52 | 2.99 | 0.98 | 0.25 | 9.81 |
| 2001 | 1.37 | 0.95 | 0.56 | 0.44 | 0.64 | 0.39 | 1.27 | 2.54 | 1.03 | 0.15 | 0.22 | 0.37 | 9.93 |
| 2002 | 0.17 | 0.13 | 0.17 | 0.64 | 0.06 | 0.00 | 3.20 | 1.73 | 2.13 | 1.80 | 0.55 | 0.62 | 11.20 |
| 2003 | 0.01 | 0.97 | 0.41 | 0.10 | 0.07 | 0.01 | 1.70 | 2.50 | 1.12 | 0.79 | 1.37 | 0.44 | 9.49 |
| 2004 | 0.37 | 0.50 | 0.44 | 1.22 | 0.00 | 0.18 | 1.29 | 0.53 | 1.49 | 0.38 | 0.75 | 0.66 | 7.81 |
| 2005 | 1.22 | 2.05 | 1.10 | 0.86 | 0.16 | 0.27 | 1.01 | 2.32 | 0.39 | 0.28 | 0.14 | 0.13 | 9.93 |
| 2006 | 0.26 | 0.00 | 0.85 | 0.18 | 0.01 | 0.37 | 2.49 | 3.02 | 0.92 | 2.55 | 0.06 | 0.36 | 11.07 |
| 2007 | 0.57 | 0.84 | 0.20 | 0.70 | 0.97 | 0.27 | 3.73 | 2.72 | 0.35 | 0.80 | 0.40 | 2.20 | 13.75 |
| 2008 | 2.28 | 1.27 | 0.10 | 0.20 | 0.97 | 0.38 | 2.67 | 1.24 | 0.55 | 0.31 | 0.51 | 1.66 | 12.14 |
| Average | 0.84 | 0.74 | 0.85 | 0.54 | 0.59 | 0.41 | 1.69 | 2.03 | 1.09 | 1.04 | 0.85 | 0.72 | 11.40 |
| 1991-2005 Av | 0.83 | 0.83 | 0.79 | 0.49 | 0.51 | 0.47 | 1.33 | 2.24 | 1.28 | 1.03 | 0.85 | 0.62 | 11.24 |

Appendix A

Gallup, NM NOAA Weather Station (293422) Frost Dates

| Year | Spring 28 | Spring 32 | Fall 32 | Fall 28 |
|----------------|-------------|-------------|-------------|-------------|
| 1973 | 3/31 | 4/30 | 9/3 | 9/27 |
| 1974 | 6/9 | 6/10 | 9/28 | 9/28 |
| 1975 | 5/24 | 6/26 | 9/26 | 10/9 |
| 1976 | 5/1 | 6/16 | 10/5 | 10/5 |
| 1977 | 5/21 | 5/22 | 10/11 | 10/24 |
| 1978 | 5/6 | 5/28 | 10/6 | 10/15 |
| 1979 | 5/13 | 5/14 | 10/6 | 10/21 |
| 1980 | 5/26 | 5/30 | 10/4 | 10/16 |
| 1981 | 5/18 | 5/18 | 10/16 | 10/17 |
| 1982 | 5/7 | 5/21 | 9/29 | 10/2 |
| 1983 | 5/18 | 5/21 | 9/21 | 9/21 |
| 1984 | 5/9 | 5/9 | 9/30 | 10/16 |
| 1985 | 5/14 | 5/22 | 9/23 | 9/29 |
| 1986 | 5/10 | 5/18 | 9/30 | 10/4 |
| 1987 | 4/23 | 5/30 | 9/19 | 10/5 |
| 1988 | 6/1 | 6/1 | 9/23 | 9/29 |
| 1989 | 5/12 | 6/1 | 9/14 | 10/18 |
| 1990 | 4/27 | 5/10 | 10/8 | 10/8 |
| 1991 | 5/12 | 6/1 | 9/25 | 10/2 |
| 1992 | 6/2 | 6/18 | 9/26 | 9/26 |
| 1993 | 6/7 | 6/25 | 9/9 | 9/19 |
| 1994 | 5/21 | 5/22 | 9/15 | 9/25 |
| 1995 | 6/18 | 6/23 | 9/25 | 9/30 |
| 1996 | 6/3 | 6/3 | 9/19 | 9/28 |
| 1997 | 5/3 | 7/2 | 10/8 | 10/9 |
| 1998 | 6/18 | 6/19 | 9/24 | 9/27 |
| 1999 | 6/5 | 6/12 | 9/29 | 9/29 |
| 2000 | 5/14 | 5/21 | 9/24 | 9/24 |
| 2001 | 6/14 | 6/15 | 9/9 | 9/9 |
| 2002 | 5/22 | 5/25 | 10/3 | 10/4 |
| 2003 | 5/11 | 5/16 | 9/21 | 10/14 |
| 2004 | 5/14 | 5/30 | 9/22 | 9/22 |
| 2005 | 5/13 | 6/4 | 9/15 | 10/12 |
| 2006 | 5/10 | 5/31 | 9/18 | 9/18 |
| 2007 | 4/22 | 5/7 | 10/7 | 10/7 |
| 2008 | 5/3 | 5/23 | 10/7 | 10/12 |
| Average | 5/16 | 5/30 | 9/26 | 10/3 |
| 1991-2005 Av | 5/26 | 6/7 | 9/22 | 9/28 |

Appendix A

McGaffey, NM NOAA Weather Station (295560)

Average of Maximum Temperature

| Year | Values in Degrees F | | | | | | | | | | | | Annual |
|----------------|---------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | |
| 1948 | | | | | | | | | | | | | |
| 1949 | 37.2 | 39.3 | 48.8 | 58.7 | 66.1 | 75.8 | 79.8 | 79.3 | 74.8 | 60.5 | 58.6 | 41.2 | 60.0 |
| 1950 | 40.4 | 46.1 | 50.0 | 61.4 | 67.1 | 79.8 | 78.5 | 79.7 | 69.6 | 70.4 | 56.5 | 48.6 | 62.3 |
| 1951 | 39.2 | 43.6 | 48.4 | 54.9 | 67.3 | 76.9 | 83.4 | 78.7 | 75.6 | 60.5 | 46.3 | 38.4 | 59.4 |
| 1952 | 39.2 | 38.3 | 40.1 | 56.0 | 66.9 | 78.1 | 80.8 | 79.4 | 74.7 | 70.1 | 44.1 | 38.1 | 58.8 |
| 1953 | 43.9 | 41.5 | 49.1 | 56.0 | 60.2 | 78.9 | 81.5 | 77.7 | 78.2 | 65.7 | 46.7 | 35.5 | 59.6 |
| 1954 | 41.8 | 49.5 | 46.3 | 64.0 | 66.9 | 79.2 | 80.3 | 78.0 | 70.5 | 58.1 | 54.2 | 43.3 | 61.0 |
| 1955 | 33.9 | 36.0 | 49.0 | 57.3 | 69.4 | 77.5 | 77.4 | 75.9 | 76.3 | 66.4 | 50.5 | 41.5 | 59.3 |
| 1956 | 40.0 | 42.3 | 47.8 | 56.5 | 70.4 | 80.7 | 79.4 | 77.8 | 75.0 | 65.4 | 50.4 | 42.9 | 60.7 |
| 1957 | 39.1 | 49.5 | 47.1 | 53.8 | 60.1 | 76.7 | 80.8 | 76.3 | 74.6 | 59.9 | 43.8 | 47.1 | 59.1 |
| 1958 | 40.0 | 44.5 | 41.2 | 54.2 | 71.5 | 80.7 | 84.4 | 80.2 | 71.2 | 65.0 | 51.5 | 49.2 | 61.1 |
| 1959 | 45.3 | 41.9 | 51.6 | 60.6 | 70.2 | 81.4 | 84.1 | 77.0 | 76.6 | 62.1 | 53.0 | 45.0 | 62.4 |
| 1960 | 36.6 | 36.2 | 50.1 | 59.4 | 67.9 | 78.6 | 86.3 | 85.6 | 81.0 | 60.4 | 53.1 | 39.3 | 61.2 |
| 1961 | 44.6 | 45.7 | 48.4 | 58.4 | 71.4 | 82.7 | 83.7 | 79.7 | 74.3 | 65.3 | 46.5 | 39.9 | 61.7 |
| 1962 | 40.0 | 44.4 | 44.0 | 60.7 | 68.4 | 80.6 | 83.3 | 82.5 | 73.9 | 66.9 | 55.9 | 43.3 | 62.0 |
| 1963 | 38.2 | 46.2 | 49.4 | 56.1 | 72.8 | 77.7 | 84.8 | 76.0 | 75.7 | 69.8 | 53.9 | 47.9 | 62.4 |
| 1964 | 40.8 | 37.5 | 41.6 | 54.0 | 69.1 | 79.7 | 82.8 | 77.9 | 70.9 | 68.3 | 50.8 | 41.4 | 59.6 |
| 1965 | 43.5 | 41.2 | 44.0 | 54.2 | 62.4 | 70.2 | 79.5 | 78.8 | 71.0 | 69.5 | 56.4 | 42.6 | 59.4 |
| 1966 | 37.2 | 39.8 | 51.7 | 59.9 | 70.7 | 78.2 | 84.2 | 80.5 | 73.5 | 64.6 | 56.9 | 44.1 | 61.8 |
| 1967 | 41.3 | 47.6 | 54.2 | 56.6 | 66.0 | 73.4 | 79.3 | 77.2 | 71.6 | 66.7 | 56.8 | 36.2 | 60.6 |
| 1968 | 40.5 | 43.9 | 47.5 | 52.1 | 65.3 | 79.5 | 80.2 | 73.4 | 72.3 | 66.8 | 47.8 | 39.9 | 59.1 |
| 1969 | 43.1 | 40.5 | 43.5 | 58.3 | 65.1 | 78.0 | 82.1 | 79.7 | 70.3 | 56.7 | 45.7 | 44.0 | 58.9 |
| 1970 | 37.7 | 46.9 | 41.8 | 51.9 | 67.4 | 75.9 | 80.8 | 77.7 | 70.2 | 55.3 | 49.9 | 43.5 | 58.2 |
| 1971 | 39.6 | 41.4 | 49.0 | 55.8 | 63.7 | 76.9 | 82.7 | 77.1 | 70.3 | 55.3 | 50.5 | 36.1 | 58.2 |
| 1972 | 40.5 | 46.7 | 57.9 | 59.1 | 67.2 | 74.3 | 81.5 | 77.2 | 70.5 | 57.0 | 40.2 | 36.5 | 59.0 |
| 1973 | 35.0 | 37.7 | 40.5 | 47.4 | 61.9 | 74.1 | 78.5 | 78.2 | 70.6 | 64.3 | 51.0 | 41.0 | 56.7 |
| 1974 | 35.5 | 39.9 | 52.2 | 54.7 | 70.4 | 82.3 | 77.5 | 75.9 | 71.7 | 60.0 | 48.5 | 38.4 | 58.9 |
| 1975 | 37.2 | 38.4 | 42.8 | 49.1 | 62.0 | 74.9 | 76.9 | 78.2 | 68.9 | 62.5 | 50.6 | 39.3 | 56.7 |
| 1976 | 38.7 | 45.2 | 45.5 | 55.7 | 64.8 | 76.7 | 78.4 | 75.2 | 69.3 | 58.7 | 50.7 | 42.3 | 58.4 |
| 1977 | 35.4 | 41.6 | 43.2 | 57.7 | 63.3 | 78.4 | 79.3 | 78.0 | 71.8 | 63.6 | 50.6 | 42.8 | 58.8 |
| 1978 | 36.8 | 39.3 | 46.4 | 55.4 | 62.7 | 78.4 | 82.6 | 78.1 | 71.2 | 64.4 | 46.3 | 34.2 | 58.0 |
| 1979 | 31.9 | 40.4 | 43.0 | 53.6 | 60.2 | 73.2 | 81.7 | 76.3 | 76.7 | 66.2 | 41.3 | 44.4 | 57.4 |
| 1980 | 37.4 | 41.6 | 43.1 | 53.3 | 61.8 | 79.7 | 82.5 | 78.3 | 73.5 | 61.3 | 51.7 | 49.7 | 59.5 |
| 1981 | 46.1 | 46.6 | 43.2 | 58.4 | 64.7 | 79.6 | 78.0 | 77.1 | 70.7 | 59.8 | 55.2 | 45.6 | 60.4 |
| 1982 | 37.5 | 40.6 | 44.2 | 55.6 | 62.8 | 75.6 | 78.7 | 75.0 | 70.7 | 60.2 | 44.8 | 37.8 | 57.0 |
| 1983 | 41.7 | 40.2 | 43.4 | 48.5 | 62.0 | 73.7 | 79.5 | 76.8 | 74.6 | 60.8 | 48.2 | 38.6 | 57.3 |
| 1984 | 41.5 | 42.9 | 49.7 | 52.8 | 72.1 | 75.0 | 79.4 | 75.3 | 72.7 | 51.6 | 49.6 | 41.0 | 58.6 |
| 1985 | 38.6 | 38.4 | 47.0 | 57.6 | 65.2 | 78.8 | 80.1 | 78.7 | 68.7 | 61.6 | 45.9 | 43.5 | 58.7 |
| 1986 | 49.3 | 44.6 | 53.1 | 56.6 | 65.1 | 74.7 | 75.8 | 77.8 | 67.3 | 60.1 | 48.7 | 40.5 | 59.5 |
| 1987 | 39.1 | 39.9 | 45.9 | 58.0 | 62.5 | 76.7 | 78.9 | 73.1 | 71.2 | 67.1 | 49.7 | 38.1 | 58.3 |
| 1988 | 38.4 | 44.7 | 48.8 | 54.7 | 64.9 | 75.4 | 78.1 | 75.1 | 70.7 | 69.0 | 49.1 | 40.1 | 59.1 |
| 1989 | 37.6 | 42.3 | 54.9 | 65.7 | 71.5 | 78.5 | 83.9 | 77.5 | 75.1 | 61.9 | 52.5 | 44.0 | 62.1 |
| 1990 | 38.7 | 40.2 | 48.1 | 57.4 | 64.5 | 81.6 | 76.9 | 74.5 | 72.7 | 63.2 | 52.0 | 38.3 | 59.0 |
| 1991 | 37.6 | 47.9 | 43.5 | 55.4 | 67.3 | 73.1 | 79.1 | 77.2 | 72.9 | 66.1 | 44.5 | 38.5 | 58.6 |
| 1992 | 37.5 | 41.2 | 48.2 | 61.6 | 63.8 | 74.2 | 78.0 | 76.1 | 75.0 | 66.8 | 43.7 | 36.2 | 58.5 |
| 1993 | 39.0 | 39.4 | 47.9 | 56.9 | 66.8 | 76.4 | 81.4 | 76.6 | 73.0 | 61.4 | 47.2 | 42.4 | 59.0 |
| 1994 | 44.1 | 40.7 | 50.7 | 54.8 | 65.7 | 82.5 | 84.6 | 80.4 | 72.2 | 60.6 | 45.1 | 43.3 | 60.4 |
| 1995 | 38.4 | 48.4 | 48.6 | 51.8 | 60.5 | 74.1 | 80.6 | 80.1 | 72.8 | 66.5 | 56.2 | 45.8 | 60.3 |
| 1996 | 42.5 | 48.8 | 49.3 | 61.6 | 74.8 | 80.8 | 82.7 | 79.1 | 67.2 | 60.7 | 49.7 | 41.8 | 61.6 |
| 1997 | 36.2 | 42.8 | 54.7 | 51.6 | 67.5 | 74.4 | 81.7 | 75.4 | 73.5 | 62.7 | 50.5 | 38.2 | 59.1 |
| 1998 | 41.5 | 37.6 | 45.5 | 50.5 | 66.4 | 75.6 | 80.9 | 78.8 | 76.8 | 62.8 | 52.0 | 44.5 | 59.4 |
| 1999 | 44.8 | 49.6 | 55.9 | 53.9 | 66.5 | 76.3 | 76.5 | 75.5 | 71.2 | 69.0 | 63.3 | 40.6 | 61.9 |
| 2000 | 44.7 | 46.7 | 50.7 | 63.7 | 75.5 | 79.8 | 82.9 | 80.9 | 77.5 | 59.8 | 40.4 | 45.1 | 62.3 |
| 2001 | 38.9 | 43.5 | 50.5 | 59.2 | 71.2 | 82.1 | 82.4 | 76.1 | 77.7 | 70.6 | 55.6 | 40.6 | 62.4 |
| 2002 | 38.6 | 42.3 | 48.9 | 64.2 | 70.4 | 84.0 | 82.1 | 81.0 | 72.5 | 62.2 | 51.3 | 36.5 | 61.2 |
| 2003 | 46.2 | 38.5 | 47.2 | 55.4 | 69.2 | 80.0 | 89.0 | 80.4 | 75.7 | 70.3 | 50.3 | 43.9 | 62.2 |
| 2004 | 38.6 | 38.1 | 55.6 | 53.7 | 70.3 | 79.8 | 80.7 | 77.9 | 72.6 | 61.7 | 44.4 | 44.4 | 59.8 |
| 2005 | 42.7 | 39.3 | 44.7 | 56.2 | 66.7 | 73.7 | 85.7 | 75.5 | 73.3 | 63.1 | 58.7 | 44.1 | 60.3 |
| 2006 | 45.7 | 47.1 | 45.2 | 63.4 | 73.5 | 83.1 | 79.2 | 72.9 | 68.9 | 61.2 | 56.0 | 43.0 | 61.6 |
| 2007 | 38.3 | 41.5 | 53.0 | 55.8 | 67.6 | 82.8 | 84.2 | 80.6 | 75.7 | 67.1 | 60.2 | 39.1 | 62.2 |
| 2008 | 36.5 | 42.0 | 50.6 | 58.6 | 65.6 | 79.5 | 80.8 | 82.0 | 76.1 | 66.5 | 56.2 | 39.4 | 61.2 |
| Average | 39.9 | 42.5 | 47.8 | 56.5 | 66.8 | 77.8 | 81.0 | 77.8 | 72.9 | 63.4 | 50.5 | 41.5 | 59.9 |
| 1991-2005 Av | 40.8 | 43.0 | 49.5 | 56.7 | 68.2 | 77.8 | 81.9 | 78.1 | 73.6 | 64.3 | 50.2 | 41.7 | 60.5 |

Appendix A

McGaffey, NM NOAA Weather Station (295560) Average of Minimum Temperature

| Year | Values in Degrees F | | | | | | | | | | | | Annual |
|----------------|---------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|-------------|
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | |
| 1948 | | | | | | | | | | | | | |
| 1949 | 8.8 | 5.2 | 18.3 | 25.6 | 29.6 | 38.5 | 47.2 | 44.1 | 41.2 | 25.2 | 18.6 | 4.4 | 25.6 |
| 1950 | 11.4 | 12.6 | 18.3 | 22.0 | 25.7 | 37.7 | 48.1 | 42.0 | 34.6 | 32.0 | 18.2 | 15.3 | 26.5 |
| 1951 | 11.8 | 15.2 | 19.5 | 25.0 | 32.0 | 36.9 | 49.6 | 45.9 | 34.4 | 27.5 | 18.7 | 10.4 | 27.3 |
| 1952 | 13.1 | 12.4 | 14.9 | 27.7 | 32.8 | 41.2 | 47.1 | 46.8 | 38.7 | 26.3 | 13.6 | 8.6 | 26.9 |
| 1953 | 14.8 | 10.1 | 19.5 | 25.7 | 29.1 | 40.4 | 47.2 | 43.8 | 33.9 | 29.9 | 19.5 | 6.5 | 26.7 |
| 1954 | 9.9 | 19.2 | 19.9 | 29.2 | 37.4 | 39.7 | 47.1 | 43.4 | 39.5 | 27.5 | 18.5 | 9.7 | 28.4 |
| 1955 | 6.5 | 5.8 | 16.7 | 21.8 | 35.7 | 41.2 | 45.5 | 49.4 | 39.0 | 27.5 | 17.3 | 9.6 | 26.3 |
| 1956 | 8.6 | 11.7 | 17.7 | 24.1 | 33.3 | 42.2 | 46.4 | 45.5 | 37.5 | 29.1 | 14.4 | 8.8 | 26.6 |
| 1957 | 18.9 | 23.3 | 23.3 | 25.4 | 33.2 | 38.8 | 47.2 | 45.9 | 34.8 | 32.3 | 17.9 | 16.3 | 29.8 |
| 1958 | 11.0 | 18.0 | 19.2 | 26.4 | 34.5 | 41.2 | 45.0 | 47.6 | 39.7 | 30.0 | 18.0 | 15.5 | 28.8 |
| 1959 | 12.4 | 14.1 | 17.4 | 26.0 | 29.4 | 41.2 | 47.3 | 45.2 | 35.9 | 29.0 | 17.3 | 12.5 | 27.3 |
| 1960 | 3.7 | 6.3 | 21.0 | 25.0 | 30.0 | 39.4 | 44.1 | 45.1 | 40.2 | 26.8 | 17.6 | 10.0 | 25.8 |
| 1961 | 10.3 | 13.5 | 18.7 | 25.3 | 30.0 | 39.8 | 46.8 | 46.9 | 34.4 | 26.5 | 18.1 | 8.7 | 26.6 |
| 1962 | 6.4 | 16.7 | 10.9 | 29.2 | 29.3 | 36.0 | 43.1 | 42.3 | 39.9 | 29.8 | 22.1 | 10.2 | 26.3 |
| 1963 | 4.9 | 15.6 | 18.6 | 24.1 | 33.3 | 38.3 | 46.2 | 46.5 | 40.6 | 29.7 | 20.1 | 10.1 | 27.3 |
| 1964 | 2.4 | 2.1 | 12.2 | 20.3 | 31.2 | 34.5 | 45.4 | 43.3 | 38.0 | 27.8 | 15.4 | 9.3 | 23.5 |
| 1965 | 12.4 | 7.2 | 14.5 | 22.1 | 29.6 | 34.1 | 44.1 | 41.9 | 34.1 | 26.0 | 21.5 | 10.9 | 24.9 |
| 1966 | 5.1 | 5.2 | 18.6 | 25.4 | 33.3 | 38.7 | 47.3 | 46.5 | 37.8 | 26.1 | 23.1 | 12.9 | 26.7 |
| 1967 | 7.4 | 14.1 | 23.4 | 24.4 | 29.7 | 37.5 | 50.2 | 44.6 | 37.2 | 25.2 | 19.5 | 7.1 | 26.7 |
| 1968 | 6.4 | 19.0 | 16.8 | 23.0 | 29.6 | 39.2 | 43.8 | 41.2 | 35.3 | 27.1 | 18.5 | 7.7 | 25.6 |
| 1969 | 15.7 | 8.1 | 8.7 | 27.0 | 31.3 | 38.2 | 48.0 | 47.7 | 38.7 | 24.0 | 16.8 | 12.5 | 26.4 |
| 1970 | 7.8 | 18.8 | 16.3 | 16.3 | 30.0 | 38.8 | 48.0 | 47.8 | 37.7 | 24.4 | 18.9 | 9.3 | 26.2 |
| 1971 | 9.7 | 12.2 | 17.0 | 22.9 | 28.4 | 37.3 | 47.0 | 45.1 | 36.6 | 27.3 | 17.3 | 12.2 | 26.1 |
| 1972 | 10.4 | 14.8 | 22.9 | 23.2 | 28.7 | 38.7 | 47.7 | 44.9 | 37.5 | 33.9 | 14.0 | 6.8 | 27.0 |
| 1973 | 6.0 | 12.1 | 18.8 | 19.8 | 33.7 | 40.8 | 46.6 | 44.8 | 36.5 | 26.3 | 19.5 | 10.7 | 26.3 |
| 1974 | 7.2 | 6.6 | 22.4 | 22.9 | 32.3 | 42.4 | 47.3 | 43.8 | 37.5 | 32.6 | 19.4 | 5.9 | 26.7 |
| 1975 | 7.3 | 6.9 | 16.6 | 21.6 | 29.4 | 36.5 | 46.7 | 42.7 | 40.1 | 26.2 | 14.4 | 9.3 | 24.8 |
| 1976 | 6.2 | 19.3 | 15.7 | 24.9 | 32.8 | 38.4 | 46.3 | 44.8 | 39.7 | 25.6 | 16.5 | 8.5 | 26.6 |
| 1977 | 5.7 | 10.8 | 13.7 | 25.7 | 30.0 | 41.3 | 47.0 | 47.9 | 42.6 | 30.8 | 20.3 | 18.2 | 27.8 |
| 1978 | 14.1 | 10.8 | 22.9 | 25.7 | 30.5 | 39.7 | 46.6 | 42.3 | 39.2 | 31.1 | 23.9 | 8.5 | 27.9 |
| 1979 | 4.1 | 8.3 | 16.6 | 25.2 | 34.5 | 40.3 | 44.5 | 43.3 | 39.3 | 29.6 | 15.3 | 13.5 | 26.2 |
| 1980 | 17.7 | 14.3 | 16.5 | 23.1 | 29.9 | 39.3 | 47.7 | 46.0 | 37.8 | 25.0 | 17.9 | 17.8 | 27.7 |
| 1981 | 15.2 | 13.5 | 19.3 | 27.5 | 33.2 | 42.3 | 48.5 | 44.7 | 39.4 | 27.2 | 20.9 | 12.2 | 28.6 |
| 1982 | 7.1 | 12.4 | 19.3 | 24.4 | 31.1 | 35.8 | 45.1 | 48.5 | 40.6 | 22.9 | 19.6 | 7.5 | 26.2 |
| 1983 | 9.4 | 12.0 | 19.4 | 20.6 | 29.5 | 37.5 | 46.5 | 46.7 | 41.1 | 32.5 | 17.6 | 14.7 | 27.3 |
| 1984 | 7.7 | 7.1 | 14.4 | 21.9 | 34.9 | 40.5 | 47.8 | 45.9 | 39.6 | 27.8 | 17.0 | 10.7 | 26.3 |
| 1985 | 1.5 | 4.7 | 18.9 | 25.8 | 33.2 | 39.7 | 47.0 | 45.3 | 32.0 | 22.5 | 12.9 | 10.0 | 24.5 |
| 1986 | 14.3 | 14.3 | 16.8 | 20.0 | 27.0 | 39.8 | 45.4 | 45.5 | 36.5 | 27.2 | 20.4 | 13.6 | 26.7 |
| 1987 | 6.3 | 9.6 | 9.6 | 24.8 | 32.3 | 39.2 | 42.4 | 43.9 | 35.7 | 29.4 | 16.7 | 9.2 | 24.9 |
| 1988 | 3.3 | 10.8 | 13.7 | 23.2 | 29.1 | 40.9 | 46.5 | 48.0 | 34.2 | 29.8 | 13.6 | 5.1 | 24.8 |
| 1989 | 4.8 | 14.2 | 18.8 | 22.7 | 29.8 | 36.8 | 46.4 | 43.7 | 35.3 | 24.3 | 13.4 | 4.9 | 24.6 |
| 1990 | 4.4 | 8.3 | 20.1 | 26.2 | 29.1 | 42.0 | 45.9 | 42.5 | 40.6 | 25.1 | 17.4 | 3.8 | 25.5 |
| 1991 | 2.6 | 15.6 | 16.4 | 22.7 | 28.7 | 37.1 | 45.7 | 45.5 | 38.1 | 28.5 | 15.4 | 8.9 | 25.4 |
| 1992 | 1.6 | 16.0 | 21.9 | 28.6 | 36.2 | 37.0 | 44.5 | 44.6 | 36.8 | 28.6 | 9.1 | 5.9 | 25.9 |
| 1993 | 13.6 | 15.7 | 19.2 | 24.0 | 32.5 | 37.1 | 44.0 | 45.7 | 35.2 | 27.0 | 14.0 | 8.7 | 26.4 |
| 1994 | 8.8 | 10.2 | 21.8 | 24.5 | 31.3 | 41.9 | 44.6 | 47.7 | 38.9 | 23.6 | 13.7 | 13.6 | 26.7 |
| 1995 | 10.7 | 18.5 | 22.2 | 22.7 | 30.2 | 35.4 | 42.7 | 48.6 | 39.6 | 23.8 | 18.7 | 9.0 | 26.8 |
| 1996 | 7.6 | 19.5 | 16.3 | 22.4 | 32.4 | 42.5 | 48.1 | 46.7 | 37.6 | 27.4 | 18.8 | 14.2 | 27.8 |
| 1997 | 9.8 | 10.3 | 16.5 | 23.4 | 34.9 | 38.0 | 42.7 | 46.0 | 42.9 | 25.5 | 16.7 | 5.7 | 26.0 |
| 1998 | 9.5 | 7.7 | 16.1 | 22.3 | 29.3 | 34.1 | 47.4 | 46.4 | 41.5 | 28.2 | 18.4 | 11.1 | 26.0 |
| 1999 | 11.0 | 13.4 | 22.2 | 22.9 | 29.3 | 37.3 | 47.9 | 46.8 | 38.5 | 25.0 | 17.0 | 4.7 | 26.3 |
| 2000 | 12.1 | 16.7 | 19.5 | 25.5 | 33.4 | 41.4 | 43.2 | 46.5 | 39.6 | 29.0 | 9.1 | 8.1 | 27.0 |
| 2001 | 3.5 | 6.6 | 19.0 | 23.5 | 32.9 | 37.9 | 47.2 | 46.3 | 39.3 | 26.8 | 15.2 | 4.0 | 25.2 |
| 2002 | 2.1 | 11.7 | 13.6 | 28.1 | 29.0 | 40.9 | 48.7 | 44.7 | 39.8 | 28.4 | 16.4 | 3.9 | 25.6 |
| 2003 | 11.7 | 10.0 | 11.8 | 19.2 | 30.9 | 38.8 | 47.8 | 47.5 | 37.8 | 31.2 | 14.8 | 5.8 | 25.6 |
| 2004 | 5.1 | 3.9 | 22.8 | 25.1 | 31.0 | 37.5 | 44.0 | 43.1 | 37.4 | 27.8 | 16.7 | 9.4 | 25.3 |
| 2005 | 15.3 | 12.4 | 13.8 | 24.2 | 31.3 | 33.1 | 46.5 | 47.1 | 39.4 | 29.3 | 14.5 | 5.8 | 26.1 |
| 2006 | 5.8 | 7.1 | 12.9 | 23.3 | 33.7 | 42.7 | 48.7 | 47.0 | 36.1 | 26.3 | 15.6 | 1.1 | 25.0 |
| 2007 | 1.5 | 8.2 | 17.6 | 23.9 | 32.4 | 41.1 | 49.5 | 47.1 | 41.5 | 28.2 | 23.4 | 10.8 | 27.1 |
| 2008 | 8.8 | 14.2 | 19.4 | 25.5 | 30.8 | 40.3 | 48.2 | 47.4 | 38.6 | 28.9 | 21.6 | 14.7 | 28.2 |
| Average | 8.5 | 11.9 | 17.7 | 24.1 | 31.3 | 38.9 | 46.4 | 45.5 | 38.1 | 27.7 | 17.3 | 9.6 | 26.4 |
| 1991-2005 Av | 8.3 | 12.5 | 18.2 | 23.9 | 31.6 | 38.0 | 45.7 | 46.2 | 38.8 | 27.3 | 15.2 | 7.9 | 26.1 |

Appendix A

McGaffey, NM NOAA Weather Station (295560) Average Monthly Temperature

| Year | Values in Degrees F | | | | | | | | | | | | Annual |
|----------------|---------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | |
| 1948 | | | | | | | | | | | | | |
| 1949 | 23.0 | 22.3 | 33.5 | 42.1 | 47.9 | 57.2 | 63.5 | 61.7 | 58.0 | 42.8 | 38.6 | 22.8 | 42.8 |
| 1950 | 25.9 | 29.4 | 34.1 | 41.7 | 46.4 | 58.8 | 63.3 | 60.8 | 52.1 | 51.2 | 37.3 | 32.0 | 44.4 |
| 1951 | 25.5 | 29.4 | 33.9 | 40.0 | 49.7 | 56.9 | 66.5 | 62.3 | 55.0 | 44.0 | 32.5 | 24.4 | 43.3 |
| 1952 | 26.1 | 25.3 | 27.5 | 41.9 | 49.8 | 59.6 | 64.0 | 63.1 | 56.7 | 48.2 | 28.8 | 23.3 | 42.9 |
| 1953 | 29.3 | 25.8 | 34.3 | 40.8 | 44.6 | 59.7 | 64.4 | 60.8 | 56.1 | 47.8 | 33.1 | 21.0 | 43.1 |
| 1954 | 25.8 | 34.4 | 33.1 | 46.6 | 52.1 | 59.4 | 63.7 | 60.7 | 55.0 | 42.8 | 36.4 | 26.5 | 44.7 |
| 1955 | 20.2 | 20.9 | 32.8 | 39.5 | 52.5 | 59.4 | 61.5 | 62.6 | 57.6 | 46.9 | 33.9 | 25.6 | 42.8 |
| 1956 | 24.3 | 27.0 | 32.8 | 40.3 | 51.8 | 61.4 | 62.9 | 61.7 | 56.3 | 47.2 | 32.4 | 25.9 | 43.7 |
| 1957 | 29.0 | 36.4 | 35.2 | 39.6 | 46.7 | 57.8 | 64.0 | 61.1 | 54.7 | 46.1 | 30.8 | 31.7 | 44.4 |
| 1958 | 25.5 | 31.3 | 30.2 | 40.3 | 53.0 | 61.0 | 64.7 | 63.9 | 55.4 | 47.5 | 34.8 | 32.3 | 45.0 |
| 1959 | 28.9 | 28.0 | 34.5 | 43.3 | 49.8 | 61.3 | 65.7 | 61.1 | 56.2 | 45.5 | 35.1 | 28.8 | 44.9 |
| 1960 | 20.2 | 21.3 | 35.5 | 42.2 | 48.9 | 59.0 | 65.2 | 65.4 | 60.6 | 43.6 | 35.4 | 24.6 | 43.5 |
| 1961 | 27.5 | 29.6 | 33.6 | 41.8 | 50.7 | 61.3 | 65.3 | 63.3 | 54.3 | 45.9 | 32.3 | 24.3 | 44.2 |
| 1962 | 23.2 | 30.6 | 27.4 | 45.0 | 48.8 | 58.3 | 63.2 | 62.4 | 56.9 | 48.3 | 39.0 | 26.8 | 44.2 |
| 1963 | 21.6 | 30.9 | 34.0 | 40.1 | 53.1 | 58.0 | 65.5 | 61.3 | 58.2 | 49.8 | 37.0 | 29.0 | 44.9 |
| 1964 | 21.6 | 19.8 | 26.9 | 37.2 | 50.1 | 57.1 | 64.1 | 60.6 | 54.5 | 48.1 | 33.1 | 25.4 | 41.5 |
| 1965 | 27.9 | 24.2 | 29.2 | 38.2 | 46.0 | 52.2 | 61.8 | 60.4 | 52.6 | 47.7 | 38.9 | 26.8 | 42.2 |
| 1966 | 21.1 | 22.5 | 35.2 | 42.7 | 52.0 | 58.5 | 65.8 | 63.5 | 55.7 | 45.3 | 40.0 | 28.5 | 44.2 |
| 1967 | 24.3 | 30.8 | 38.8 | 40.5 | 47.8 | 55.5 | 64.7 | 60.9 | 54.4 | 46.0 | 38.1 | 21.7 | 43.6 |
| 1968 | 23.5 | 31.4 | 32.1 | 37.5 | 47.5 | 59.4 | 62.0 | 57.3 | 53.8 | 47.0 | 33.2 | 23.8 | 42.4 |
| 1969 | 29.4 | 24.3 | 26.1 | 42.7 | 48.2 | 58.1 | 65.0 | 63.7 | 54.5 | 40.4 | 31.3 | 28.2 | 42.7 |
| 1970 | 22.7 | 32.9 | 29.0 | 34.1 | 48.7 | 57.4 | 64.4 | 62.7 | 54.0 | 39.8 | 34.4 | 26.4 | 42.2 |
| 1971 | 24.7 | 26.8 | 33.0 | 39.4 | 46.1 | 57.1 | 64.9 | 61.1 | 53.5 | 41.3 | 33.9 | 24.1 | 42.1 |
| 1972 | 25.4 | 30.8 | 40.4 | 41.2 | 48.0 | 56.5 | 64.6 | 61.0 | 54.0 | 45.5 | 27.1 | 21.6 | 43.0 |
| 1973 | 20.5 | 24.9 | 29.6 | 33.6 | 47.8 | 57.5 | 62.5 | 61.5 | 53.6 | 45.3 | 35.3 | 25.8 | 41.5 |
| 1974 | 21.4 | 23.3 | 37.3 | 38.8 | 51.3 | 62.4 | 62.4 | 59.9 | 54.6 | 46.3 | 34.0 | 22.2 | 42.8 |
| 1975 | 22.2 | 22.6 | 29.7 | 35.3 | 45.7 | 55.7 | 61.8 | 60.5 | 54.5 | 44.4 | 32.5 | 24.3 | 40.8 |
| 1976 | 22.4 | 32.2 | 30.6 | 40.3 | 48.8 | 57.6 | 62.4 | 60.0 | 54.5 | 42.2 | 33.6 | 25.4 | 42.5 |
| 1977 | 20.5 | 26.2 | 28.5 | 41.7 | 46.7 | 59.9 | 63.2 | 62.9 | 57.2 | 47.2 | 35.4 | 30.5 | 43.3 |
| 1978 | 25.5 | 25.0 | 34.6 | 40.6 | 46.6 | 59.1 | 64.6 | 60.2 | 55.2 | 47.8 | 35.1 | 21.4 | 43.0 |
| 1979 | 18.0 | 24.3 | 29.8 | 39.4 | 47.3 | 56.8 | 63.1 | 59.8 | 58.0 | 47.9 | 28.3 | 28.9 | 41.8 |
| 1980 | 27.5 | 28.0 | 29.8 | 38.2 | 45.8 | 59.5 | 65.1 | 62.2 | 55.7 | 43.2 | 34.8 | 33.7 | 43.6 |
| 1981 | 30.7 | 30.0 | 31.3 | 42.9 | 49.0 | 60.9 | 63.2 | 60.9 | 55.1 | 43.5 | 38.0 | 28.9 | 44.5 |
| 1982 | 22.3 | 26.5 | 31.7 | 40.0 | 47.0 | 55.7 | 61.9 | 61.8 | 55.7 | 41.6 | 32.2 | 22.6 | 41.6 |
| 1983 | 25.5 | 26.1 | 31.4 | 34.5 | 45.8 | 55.6 | 63.0 | 61.7 | 57.9 | 46.6 | 32.9 | 26.7 | 42.3 |
| 1984 | 24.6 | 25.0 | 32.1 | 37.4 | 53.5 | 57.7 | 63.6 | 60.6 | 56.2 | 39.7 | 33.3 | 25.9 | 42.5 |
| 1985 | 20.0 | 21.6 | 32.9 | 41.7 | 49.2 | 59.3 | 63.6 | 62.0 | 50.3 | 42.1 | 29.4 | 26.8 | 41.6 |
| 1986 | 31.8 | 29.4 | 35.0 | 38.3 | 46.0 | 57.2 | 60.6 | 61.7 | 51.9 | 43.6 | 34.6 | 27.0 | 43.1 |
| 1987 | 22.7 | 24.8 | 27.8 | 41.4 | 47.4 | 57.9 | 60.6 | 58.5 | 53.5 | 48.2 | 33.2 | 23.6 | 41.6 |
| 1988 | 20.8 | 27.8 | 31.3 | 38.9 | 47.0 | 58.1 | 62.3 | 61.5 | 52.4 | 49.4 | 31.3 | 22.6 | 42.0 |
| 1989 | 21.2 | 28.3 | 36.8 | 44.2 | 50.6 | 57.7 | 65.1 | 60.6 | 55.2 | 43.1 | 33.0 | 24.4 | 43.4 |
| 1990 | 21.6 | 24.3 | 34.1 | 41.8 | 46.8 | 61.8 | 61.4 | 58.5 | 56.6 | 44.1 | 34.7 | 21.0 | 42.2 |
| 1991 | 20.1 | 31.8 | 29.9 | 39.1 | 48.0 | 55.1 | 62.4 | 61.3 | 55.5 | 47.3 | 30.0 | 23.7 | 42.0 |
| 1992 | 19.5 | 28.6 | 35.0 | 45.1 | 50.0 | 55.6 | 61.2 | 60.4 | 55.9 | 47.7 | 26.4 | 21.0 | 42.2 |
| 1993 | 26.3 | 27.5 | 33.6 | 40.5 | 49.6 | 56.8 | 62.7 | 61.2 | 54.1 | 44.2 | 30.6 | 25.5 | 42.7 |
| 1994 | 26.5 | 25.4 | 36.3 | 39.6 | 48.5 | 62.2 | 64.6 | 64.0 | 55.5 | 42.1 | 29.4 | 28.5 | 43.5 |
| 1995 | 24.6 | 33.4 | 35.4 | 37.2 | 45.3 | 54.8 | 61.7 | 64.3 | 56.2 | 45.1 | 37.5 | 27.4 | 43.6 |
| 1996 | 25.1 | 34.1 | 32.8 | 42.0 | 53.6 | 61.6 | 65.4 | 62.9 | 52.4 | 44.0 | 34.2 | 28.0 | 44.7 |
| 1997 | 23.0 | 26.5 | 35.6 | 37.5 | 51.2 | 56.2 | 62.2 | 60.7 | 58.2 | 44.1 | 33.6 | 21.9 | 42.6 |
| 1998 | 25.5 | 22.6 | 30.8 | 36.4 | 47.9 | 54.9 | 64.1 | 62.6 | 59.1 | 45.5 | 35.2 | 27.8 | 42.7 |
| 1999 | 27.9 | 31.5 | 39.0 | 38.4 | 47.9 | 56.8 | 62.2 | 61.1 | 54.8 | 47.0 | 40.1 | 22.6 | 44.1 |
| 2000 | 28.4 | 31.7 | 35.1 | 44.6 | 54.4 | 60.6 | 63.0 | 63.7 | 58.5 | 44.4 | 24.8 | 26.6 | 44.7 |
| 2001 | 21.2 | 25.1 | 34.8 | 41.3 | 52.0 | 60.0 | 64.8 | 61.2 | 58.5 | 48.7 | 35.4 | 22.3 | 43.8 |
| 2002 | 20.4 | 27.0 | 31.3 | 46.1 | 49.7 | 62.4 | 65.4 | 62.9 | 56.2 | 45.3 | 33.9 | 20.2 | 43.4 |
| 2003 | 28.9 | 24.2 | 29.5 | 37.3 | 50.1 | 59.4 | 68.4 | 64.0 | 56.8 | 50.7 | 32.6 | 24.9 | 43.9 |
| 2004 | 21.9 | 21.0 | 39.2 | 39.4 | 50.6 | 58.7 | 62.4 | 60.5 | 55.0 | 44.8 | 30.5 | 26.9 | 42.6 |
| 2005 | 29.0 | 25.9 | 29.2 | 40.2 | 49.0 | 53.4 | 66.1 | 61.3 | 56.4 | 46.2 | 36.6 | 24.9 | 43.2 |
| 2006 | 25.7 | 27.1 | 29.1 | 43.3 | 53.6 | 62.9 | 64.0 | 59.9 | 52.5 | 43.8 | 35.8 | 22.0 | 43.3 |
| 2007 | 19.9 | 24.9 | 35.3 | 39.9 | 50.0 | 62.0 | 66.9 | 63.9 | 58.6 | 47.6 | 41.8 | 25.0 | 44.6 |
| 2008 | 22.6 | 28.1 | 35.0 | 42.1 | 48.2 | 59.9 | 64.5 | 64.7 | 57.4 | 47.7 | 38.9 | 27.0 | 44.7 |
| Average | 24.2 | 27.2 | 32.7 | 40.3 | 49.0 | 58.4 | 63.7 | 61.6 | 55.5 | 45.5 | 33.9 | 25.6 | 43.1 |
| 1991-2005 Av | 24.5 | 27.8 | 33.8 | 40.3 | 49.9 | 57.9 | 63.8 | 62.1 | 56.2 | 45.8 | 32.7 | 24.8 | 43.3 |

Appendix A

McGaffey, NM NOAA Weather Station (295560) Total Monthly Precipitation

| Year | Values in Inches | | | | | | | | | | | | Annual |
|----------------|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | |
| 1948 | 0.24 | 1.29 | 2.33 | 0.06 | 0.58 | 1.29 | 2.01 | 2.20 | 2.10 | 1.55 | 0.08 | 0.63 | 14.36 |
| 1949 | 2.76 | 1.25 | 1.21 | 0.99 | 0.85 | 2.07 | 4.93 | 3.21 | 1.44 | 0.92 | 0.15 | 1.07 | 20.85 |
| 1950 | 1.48 | 1.34 | 0.77 | 0.00 | 0.04 | 0.42 | 2.30 | 0.63 | 1.36 | 0.15 | 0.16 | 0.15 | 8.80 |
| 1951 | 1.73 | 0.53 | 0.36 | 1.03 | 0.54 | 0.00 | 1.14 | 1.98 | 0.75 | 1.69 | 0.92 | 2.04 | 12.71 |
| 1952 | 2.65 | 0.56 | 1.70 | 1.97 | 0.12 | 1.79 | 3.65 | 2.08 | 0.89 | 0.00 | 2.64 | 0.89 | 18.94 |
| 1953 | 0.35 | 0.46 | 1.32 | 0.71 | 0.43 | 0.25 | 3.49 | 1.35 | 0.06 | 1.14 | 0.90 | 1.25 | 11.71 |
| 1954 | 0.77 | 0.36 | 4.04 | 0.26 | 1.23 | 0.00 | 1.76 | 2.55 | 1.82 | 1.87 | 0.00 | 0.84 | 15.50 |
| 1955 | 1.44 | 1.34 | 0.22 | 0.47 | 0.49 | 0.68 | 3.43 | 3.01 | 0.00 | 0.00 | 0.38 | 0.80 | 12.26 |
| 1956 | 2.77 | 0.51 | 0.07 | 0.49 | 0.52 | 0.09 | 2.25 | 1.23 | 0.00 | 1.65 | 0.29 | 0.46 | 10.33 |
| 1957 | 5.64 | 1.32 | 1.54 | 1.19 | 0.95 | 0.58 | 3.80 | 4.07 | 0.00 | 2.57 | 1.09 | 1.19 | 23.94 |
| 1958 | 1.12 | 1.22 | 2.52 | 1.30 | 0.34 | 1.25 | 1.60 | 4.08 | 4.30 | 1.46 | 0.99 | 0.20 | 20.38 |
| 1959 | 0.53 | 1.28 | 0.13 | 1.50 | 0.00 | 1.27 | 1.39 | 3.10 | 0.35 | 3.53 | 0.27 | 2.53 | 15.88 |
| 1960 | 1.67 | 2.09 | 0.83 | 0.33 | 0.79 | 0.81 | 0.56 | 0.43 | 1.35 | 2.07 | 0.15 | 0.92 | 12.00 |
| 1961 | 1.30 | 0.71 | 2.68 | 0.91 | 0.06 | 0.00 | 2.93 | 3.79 | 0.93 | 2.56 | 0.49 | 2.17 | 18.53 |
| 1962 | 1.80 | 2.35 | 1.52 | 0.20 | 0.33 | 0.00 | 1.29 | 1.21 | 3.52 | 3.42 | 1.94 | 0.55 | 18.13 |
| 1963 | 1.60 | 1.48 | 1.20 | 0.21 | 0.00 | 0.07 | 1.52 | 4.77 | 2.15 | 1.45 | 1.56 | 0.25 | 16.26 |
| 1964 | 0.99 | 1.54 | 1.27 | 2.29 | 0.25 | 0.04 | 2.46 | 4.19 | 1.35 | 0.30 | 1.25 | 1.71 | 17.64 |
| 1965 | 2.30 | 1.57 | 1.59 | 1.82 | 1.17 | 1.63 | 3.79 | 2.47 | 1.23 | 0.75 | 2.70 | 3.27 | 24.29 |
| 1966 | 0.54 | 1.39 | 1.30 | 0.95 | 0.24 | 0.50 | 2.07 | 1.80 | 2.49 | 0.00 | 0.82 | 2.35 | 14.45 |
| 1967 | 0.70 | 0.23 | 0.93 | 0.33 | 0.30 | 2.50 | 3.89 | 3.56 | 2.48 | 0.25 | 0.32 | 2.58 | 18.07 |
| 1968 | 0.31 | 1.25 | 2.13 | 1.77 | 0.48 | 0.25 | 3.47 | 4.04 | 0.57 | 0.30 | 0.96 | 1.96 | 17.49 |
| 1969 | 2.71 | 1.50 | 1.65 | 0.82 | 0.94 | 0.27 | 2.92 | 3.56 | 2.29 | 2.00 | 0.95 | 0.65 | 20.26 |
| 1970 | 0.48 | 0.46 | 3.12 | 1.40 | 0.29 | 0.46 | 3.78 | 3.68 | 1.50 | 1.81 | 0.57 | 1.57 | 19.12 |
| 1971 | 0.31 | 1.18 | 0.88 | 1.00 | 0.05 | 0.00 | 1.40 | 3.66 | 4.25 | 2.29 | 0.51 | 1.44 | 16.97 |
| 1972 | 0.10 | 0.06 | 0.00 | 0.30 | 0.12 | 1.82 | 2.59 | 0.94 | 0.48 | 6.79 | 1.71 | 1.97 | 16.88 |
| 1973 | 0.87 | 1.27 | 4.17 | 0.39 | 2.12 | 0.79 | 1.74 | 1.32 | 1.52 | 0.58 | 0.85 | 0.45 | 16.07 |
| 1974 | 3.30 | 0.67 | 0.26 | 0.73 | 0.35 | 0.00 | 3.30 | 2.01 | 0.47 | 3.94 | 0.40 | 0.56 | 15.99 |
| 1975 | 0.60 | 2.38 | 2.61 | 1.14 | 0.88 | 0.00 | 3.61 | 0.77 | 1.87 | 0.18 | 1.30 | 0.93 | 16.27 |
| 1976 | 0.46 | 0.57 | 1.25 | 0.56 | 0.60 | 0.12 | 1.54 | 2.30 | 1.16 | 0.81 | 0.71 | 0.00 | 10.08 |
| 1977 | 2.30 | 1.07 | 0.64 | 1.11 | 0.35 | 0.58 | 1.81 | 1.38 | 1.67 | 0.78 | 1.65 | 0.80 | 14.14 |
| 1978 | 3.29 | 2.83 | 2.49 | 0.44 | 1.26 | 0.16 | 1.09 | 0.57 | 1.30 | 0.81 | 2.98 | 3.77 | 20.99 |
| 1979 | 5.88 | 2.08 | 1.86 | 0.87 | 2.47 | 0.37 | 0.30 | 1.64 | 0.44 | 1.84 | 2.21 | 1.73 | 21.69 |
| 1980 | 4.35 | 4.18 | 1.97 | 1.32 | 0.20 | 0.05 | 1.05 | 1.51 | 0.97 | 0.97 | 0.68 | 0.90 | 18.15 |
| 1981 | 0.43 | 0.97 | 3.72 | 1.81 | 1.09 | 0.18 | 4.13 | 2.45 | 1.92 | 1.18 | 1.13 | 0.07 | 19.08 |
| 1982 | 3.75 | 3.20 | 3.33 | 0.26 | 1.49 | 0.00 | 1.98 | 3.39 | 2.13 | 0.86 | 3.74 | 2.63 | 26.76 |
| 1983 | 1.31 | 1.40 | 4.77 | 1.14 | 0.90 | 0.00 | 2.02 | 2.28 | 2.01 | 2.46 | 2.17 | 4.21 | 24.67 |
| 1984 | 0.76 | 0.00 | 2.62 | 1.33 | 0.30 | 0.47 | 2.30 | 3.68 | 2.99 | 2.31 | 0.76 | 3.22 | 20.74 |
| 1985 | 2.31 | 1.26 | 3.58 | 2.36 | 0.96 | 0.59 | 2.50 | 1.80 | 1.84 | 1.35 | 2.32 | 0.18 | 21.05 |
| 1986 | 0.22 | 2.33 | 1.61 | 1.86 | 0.97 | 2.67 | 1.91 | 1.93 | 2.29 | 2.49 | 2.65 | 1.48 | 22.41 |
| 1987 | 2.17 | 3.33 | 1.66 | 0.61 | 2.03 | 0.41 | 2.42 | 4.73 | 1.18 | 0.92 | 2.54 | 2.02 | 24.02 |
| 1988 | 2.18 | 1.05 | 0.12 | 3.06 | 0.36 | 3.35 | 2.95 | 3.08 | 1.14 | 0.00 | 1.90 | 0.97 | 20.16 |
| 1989 | 1.63 | 1.00 | 0.50 | 0.00 | 0.00 | 0.00 | 3.30 | 1.30 | 0.84 | 1.58 | 0.12 | 0.03 | 10.30 |
| 1990 | 0.70 | 1.24 | 1.67 | 0.74 | 1.42 | 0.87 | 3.91 | 3.82 | 2.15 | 0.73 | 1.95 | 4.13 | 23.33 |
| 1991 | 2.00 | 0.27 | 5.12 | 0.10 | 0.00 | 1.07 | 3.00 | 1.86 | 3.12 | 1.47 | 3.37 | 3.04 | 24.42 |
| 1992 | 1.31 | 1.27 | 2.20 | 1.26 | 3.19 | 0.15 | 1.51 | 3.94 | 0.79 | 1.82 | 1.41 | 3.60 | 22.45 |
| 1993 | 6.13 | 3.75 | 2.41 | 0.25 | 2.55 | 0.05 | 0.26 | 3.75 | 1.02 | 1.08 | 3.28 | 0.20 | 24.73 |
| 1994 | 0.49 | 2.02 | 1.54 | 2.52 | 2.71 | 1.09 | 0.49 | 1.98 | 2.66 | 2.31 | 4.42 | 0.70 | 22.93 |
| 1995 | 3.19 | 2.16 | 1.86 | 2.63 | 2.30 | 0.16 | 1.36 | 6.29 | 2.26 | 0.00 | 1.00 | 0.71 | 23.92 |
| 1996 | 0.62 | 1.49 | 0.75 | 0.45 | 0.00 | 1.14 | 2.93 | 5.22 | 3.63 | 1.44 | 2.42 | 0.10 | 20.19 |
| 1997 | 3.54 | 1.30 | 0.12 | 2.60 | 1.21 | 1.47 | 3.77 | 4.43 | 1.57 | 1.52 | 3.25 | 2.95 | 27.73 |
| 1998 | 0.70 | 3.80 | 3.31 | 2.41 | 0.20 | 0.00 | 3.44 | 1.56 | 0.76 | 4.14 | 2.80 | 0.27 | 23.39 |
| 1999 | 0.40 | 0.10 | 0.81 | 2.15 | 1.01 | 1.59 | 5.70 | 5.71 | 3.67 | 0.00 | 0.00 | 0.55 | 21.69 |
| 2000 | 1.70 | 0.93 | 3.43 | 0.15 | 0.00 | 1.81 | 1.11 | 2.34 | 1.44 | 3.09 | 3.15 | 0.80 | 19.95 |
| 2001 | 3.00 | 2.09 | 1.10 | 1.44 | 0.45 | 0.47 | 1.66 | 5.69 | 0.98 | 0.68 | 1.29 | 1.93 | 20.78 |
| 2002 | 0.75 | 0.23 | 0.82 | 0.77 | 0.15 | 0.11 | 5.80 | 2.70 | 2.74 | 2.87 | 2.28 | 1.80 | 21.01 |
| 2003 | 0.12 | 2.41 | 2.81 | 0.31 | 0.00 | 0.56 | 1.29 | 2.62 | 0.83 | 0.93 | 1.12 | 0.78 | 13.78 |
| 2004 | 1.35 | 2.08 | 1.07 | 2.46 | 0.00 | 0.35 | 0.98 | 2.36 | 1.60 | 0.54 | 1.15 | 1.62 | 15.56 |
| 2005 | 2.90 | 3.49 | 2.77 | 2.13 | 0.27 | 0.27 | 0.60 | 5.78 | 1.41 | 1.25 | 0.12 | 0.20 | 21.19 |
| 2006 | 0.43 | 0.00 | 2.33 | 0.14 | 0.25 | 0.40 | 5.28 | 5.62 | 2.90 | 1.89 | 0.68 | 1.14 | 21.06 |
| 2007 | 1.86 | 1.88 | 0.60 | 1.14 | 1.40 | 0.52 | 4.01 | 2.33 | 1.77 | 0.64 | 0.63 | 4.40 | 21.18 |
| 2008 | 3.21 | 2.65 | 0.22 | 0.56 | 1.61 | 0.37 | 2.40 | 2.38 | 0.33 | 1.58 | 0.92 | 4.62 | 20.85 |
| Average | 1.75 | 1.48 | 1.76 | 1.07 | 0.76 | 0.66 | 2.49 | 2.85 | 1.62 | 1.50 | 1.40 | 1.49 | 18.83 |
| 1991-2005 Av | 1.88 | 1.83 | 2.01 | 1.44 | 0.94 | 0.69 | 2.26 | 3.75 | 1.90 | 1.54 | 2.07 | 1.28 | 21.58 |

Appendix A

McGaffey, NM NOAA Weather Station (295560) Frost Dates

| Year | Spring 28 | Spring 32 | Fall 32 | Fall 28 |
|----------------|------------|-------------|-------------|-------------|
| 1948 | | | | |
| 1949 | 6/5 | 6/28 | 9/21 | 10/1 |
| 1950 | 6/18 | 6/18 | 9/9 | 9/11 |
| 1951 | 6/9 | 6/13 | 9/9 | 9/12 |
| 1952 | 5/23 | 5/24 | 9/13 | 9/13 |
| 1953 | 6/3 | 6/4 | 9/14 | 9/14 |
| 1954 | 6/13 | 6/14 | 8/25 | 10/14 |
| 1955 | 5/17 | 7/1 | 9/21 | 9/21 |
| 1956 | 5/13 | 5/29 | 9/19 | 10/14 |
| 1957 | 5/25 | 5/25 | 8/5 | 8/5 |
| 1958 | 5/15 | 6/14 | 9/14 | 10/5 |
| 1959 | 5/31 | 6/1 | 9/18 | 9/25 |
| 1960 | 5/29 | 5/29 | 9/25 | 9/26 |
| 1961 | 5/24 | 6/10 | 9/3 | 9/4 |
| 1962 | 6/15 | 6/18 | 8/30 | 10/5 |
| 1963 | 6/8 | 6/14 | 10/7 | 10/15 |
| 1964 | 6/23 | 6/24 | 9/18 | 10/8 |
| 1965 | 6/2 | 6/30 | 9/19 | 9/21 |
| 1966 | 5/15 | 6/9 | 10/4 | 10/9 |
| 1967 | 6/13 | 6/15 | 9/14 | 9/14 |
| 1968 | 6/10 | 6/11 | 8/22 | 9/17 |
| 1969 | 5/4 | 6/9 | 9/26 | 10/5 |
| 1970 | 6/2 | 6/16 | 9/6 | 9/23 |
| 1971 | 6/5 | 6/12 | 9/5 | 9/19 |
| 1972 | 5/24 | 6/26 | 9/20 | 9/20 |
| 1973 | 5/28 | 6/18 | 9/24 | 9/24 |
| 1974 | 5/21 | 6/10 | 9/28 | 9/28 |
| 1975 | 5/24 | 6/26 | 9/22 | 9/23 |
| 1976 | 6/25 | 6/25 | 9/28 | 10/5 |
| 1977 | 5/27 | 5/29 | 9/21 | 10/1 |
| 1978 | 5/26 | 6/6 | 9/20 | 9/20 |
| 1979 | 6/19 | 6/20 | 10/6 | 10/15 |
| 1980 | 6/2 | 6/15 | 9/22 | 9/22 |
| 1981 | 5/22 | 6/16 | 10/4 | 10/5 |
| 1982 | 6/6 | 6/9 | 9/29 | 9/29 |
| 1983 | 6/14 | 6/15 | 9/21 | 9/21 |
| 1984 | 5/9 | 6/17 | 9/28 | 9/30 |
| 1985 | 6/27 | 6/28 | 9/8 | 9/12 |
| 1986 | 6/10 | 6/10 | 9/11 | 9/11 |
| 1987 | 5/29 | 6/18 | 9/15 | 10/15 |
| 1988 | 6/1 | 6/13 | 9/14 | 9/20 |
| 1989 | 6/7 | 6/9 | 9/9 | 9/10 |
| 1990 | 5/30 | 6/17 | 10/1 | 10/8 |
| 1991 | 6/1 | 6/21 | 9/14 | 9/16 |
| 1992 | 7/2 | 7/2 | 8/27 | 9/27 |
| 1993 | 6/18 | 6/25 | 9/9 | 9/19 |
| 1994 | 5/21 | 5/22 | 9/15 | 9/23 |
| 1995 | 6/22 | 7/5 | 9/19 | 9/30 |
| 1996 | 5/29 | 6/3 | 9/19 | 9/19 |
| 1997 | 5/3 | 7/3 | 9/22 | 10/8 |
| 1998 | 6/18 | 6/19 | 9/26 | 9/27 |
| 1999 | 6/6 | 6/12 | 9/15 | 9/29 |
| 2000 | 5/19 | 5/21 | 9/24 | 9/25 |
| 2001 | 6/16 | 6/16 | 9/7 | 9/9 |
| 2002 | 5/25 | 5/29 | 9/19 | 9/20 |
| 2003 | 5/16 | 6/23 | 9/11 | 9/19 |
| 2004 | 6/12 | 7/1 | 9/5 | 9/22 |
| 2005 | 6/30 | 6/30 | 9/13 | 9/15 |
| 2006 | 5/31 | 5/31 | 9/17 | 9/17 |
| 2007 | 6/8 | 6/8 | 9/25 | 9/25 |
| 2008 | 6/13 | 6/14 | 9/5 | 10/7 |
| Average | 6/2 | 6/14 | 9/16 | 9/24 |
| 1991-2005 Av | 6/5 | 6/17 | 9/14 | 9/22 |

Appendix A

Zuni, NM NOAA Weather Station (299897) Average of Maximum Temperature

| Year | Values in Degrees F | | | | | | | | | | | | Annual |
|----------------|---------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | |
| 1949 | 37.0 | 44.7 | 55.6 | 66.3 | 73.8 | 82.0 | 85.4 | 85.7 | 82.0 | 66.2 | 65.5 | 45.2 | 65.8 |
| 1950 | 46.2 | 53.6 | 58.2 | 69.2 | 74.5 | 85.7 | 85.8 | 87.3 | 77.4 | 78.9 | 63.3 | 55.9 | 69.7 |
| 1951 | 46.2 | 49.1 | 55.2 | 62.7 | 74.5 | 83.2 | 90.9 | 85.4 | 82.4 | 67.8 | 53.7 | 42.9 | 66.2 |
| 1952 | 46.5 | 47.6 | 47.7 | 63.7 | 74.7 | 83.9 | 87.2 | 87.3 | 81.9 | 76.9 | 48.7 | 43.6 | 65.8 |
| 1953 | 50.2 | 49.7 | 56.5 | 63.6 | 68.5 | 86.0 | 89.3 | 86.4 | 85.3 | 70.8 | 58.2 | 40.4 | 67.1 |
| 1954 | 49.5 | 57.9 | 53.0 | 71.7 | 75.4 | 85.0 | 89.4 | 84.7 | 81.6 | 73.1 | 62.7 | 46.8 | 69.2 |
| 1955 | 40.5 | 41.9 | 56.5 | 63.4 | 71.9 | 82.5 | 86.4 | 84.2 | 83.5 | 74.4 | 57.8 | 52.3 | 66.3 |
| 1956 | 50.8 | 42.2 | 61.0 | 62.8 | 78.2 | 88.3 | 87.7 | 84.2 | 85.7 | 71.0 | 54.2 | 47.8 | 67.8 |
| 1957 | 45.5 | 56.0 | 54.5 | 61.4 | 67.8 | 83.5 | 86.0 | 82.3 | 81.3 | 64.6 | 49.6 | 51.5 | 65.3 |
| 1958 | 45.7 | 51.6 | 47.3 | 61.8 | 78.7 | 87.3 | 88.6 | 87.3 | 78.2 | 68.8 | 56.6 | 55.8 | 67.3 |
| 1959 | 50.3 | 49.3 | 57.1 | 66.9 | 74.3 | 86.6 | 90.2 | 83.1 | 79.6 | 67.5 | 56.8 | 47.2 | 67.4 |
| 1960 | 39.9 | 41.8 | 59.4 | 67.2 | 73.5 | 86.1 | 88.5 | 88.5 | 83.0 | 65.0 | 58.2 | 43.8 | 66.2 |
| 1961 | 48.9 | 49.7 | 55.0 | 65.0 | 75.5 | 88.3 | 88.7 | 83.4 | 76.4 | 67.9 | 51.2 | 41.7 | 66.0 |
| 1962 | 41.2 | 48.4 | 50.3 | 70.3 | 73.7 | 84.2 | 87.8 | 89.2 | 79.1 | 69.6 | 59.0 | 50.1 | 66.9 |
| 1963 | 40.9 | 51.8 | 55.9 | 65.1 | 77.5 | 84.2 | 89.3 | 81.1 | 81.6 | 72.2 | 56.6 | 49.5 | 67.1 |
| 1964 | 43.6 | 42.0 | 49.6 | 60.0 | 75.1 | 83.7 | 88.4 | 83.3 | 77.1 | 74.4 | 53.5 | 44.9 | 64.6 |
| 1965 | 47.1 | 46.1 | 51.9 | 63.2 | 70.5 | 78.5 | 84.8 | 84.8 | 74.4 | 73.1 | 58.6 | 47.6 | 65.1 |
| 1966 | 43.6 | 43.9 | 60.0 | 67.3 | 78.6 | 84.0 | 90.7 | 86.3 | 78.6 | 70.7 | 61.2 | 45.6 | 67.5 |
| 1967 | 46.0 | 53.8 | 61.4 | 64.0 | 73.1 | 81.2 | 87.2 | 82.5 | 77.6 | 71.8 | 60.6 | 39.0 | 66.5 |
| 1968 | 42.9 | 53.3 | 55.9 | 60.6 | 72.8 | 84.7 | 86.1 | 80.8 | 79.3 | 70.7 | 52.7 | 43.0 | 65.2 |
| 1969 | 47.2 | 48.1 | 50.4 | 66.5 | 75.6 | 82.9 | 87.9 | 87.6 | 80.4 | 64.4 | 53.8 | 50.3 | 66.3 |
| 1970 | 45.6 | 53.3 | 51.3 | 58.7 | 75.8 | 82.8 | 87.9 | 86.6 | 76.2 | 62.9 | 58.5 | 48.7 | 65.7 |
| 1971 | 49.0 | 49.2 | 59.5 | 63.6 | 71.0 | 85.0 | 89.5 | 82.9 | 77.0 | 62.6 | 54.4 | 42.6 | 65.5 |
| 1972 | 49.5 | 56.4 | 65.8 | 67.5 | 75.4 | 81.5 | 90.0 | 83.9 | 78.7 | 63.1 | 49.0 | 44.6 | 67.1 |
| 1973 | 46.9 | 51.0 | 48.2 | 58.8 | 73.8 | 80.8 | 86.9 | 85.3 | 77.8 | 69.8 | 55.6 | 48.1 | 65.2 |
| 1974 | 40.4 | 46.3 | 60.3 | 63.2 | 77.9 | 88.3 | 84.1 | 83.7 | 76.7 | 64.7 | 54.2 | 44.4 | 65.4 |
| 1975 | 45.8 | 45.0 | 53.2 | 59.4 | 70.7 | 82.8 | 83.8 | 85.4 | 75.3 | 71.4 | 56.2 | 46.5 | 64.6 |
| 1976 | 46.3 | 52.9 | 53.6 | 65.6 | 74.5 | 85.2 | 86.9 | 83.7 | 78.2 | 63.9 | 58.4 | 46.1 | 66.3 |
| 1977 | 40.0 | 51.7 | 53.9 | 65.7 | 72.0 | 83.7 | 85.1 | 84.2 | 78.1 | 70.7 | 58.3 | 51.5 | 66.2 |
| 1978 | 44.1 | 46.7 | 57.5 | 66.0 | 71.1 | 84.2 | 88.5 | 80.5 | 73.3 | 71.6 | 53.5 | 40.5 | 64.8 |
| 1979 | 40.2 | 47.3 | 53.2 | 65.5 | 69.7 | 81.5 | 87.5 | 83.1 | 82.4 | 73.3 | 50.6 | 50.5 | 65.4 |
| 1980 | 43.8 | 50.2 | 53.1 | 64.4 | 69.7 | 85.1 | 89.6 | 83.5 | 80.6 | 70.8 | 58.8 | 57.0 | 67.2 |
| 1981 | 52.6 | 55.4 | 52.3 | 69.1 | 72.1 | 85.0 | 85.5 | 84.6 | 76.8 | 66.2 | 61.6 | 51.5 | 67.7 |
| 1982 | 43.0 | 47.6 | 54.6 | 63.3 | 70.4 | 82.1 | 84.7 | 82.6 | 77.3 | 66.7 | 52.3 | 44.7 | 64.1 |
| 1983 | 45.8 | 48.0 | 52.8 | 59.3 | 73.7 | 82.3 | 87.2 | 79.5 | 75.3 | 62.8 | 49.5 | 43.0 | 63.3 |
| 1984 | 44.1 | 53.6 | 59.5 | 63.5 | 81.7 | 83.8 | 88.4 | 84.8 | 79.9 | 59.2 | 56.4 | 48.0 | 66.9 |
| 1985 | 43.5 | 46.4 | 56.6 | 69.0 | 75.5 | 87.9 | 89.6 | 88.1 | 76.9 | 70.8 | 55.0 | 50.9 | 67.5 |
| 1986 | 58.8 | 53.3 | 61.7 | 67.0 | 76.8 | 85.4 | 86.1 | 88.1 | 78.2 | 68.3 | 55.9 | 47.1 | 68.9 |
| 1987 | 46.1 | 48.6 | 53.8 | 69.6 | 73.3 | 86.4 | 87.5 | 84.0 | 81.0 | 73.7 | 55.9 | 46.8 | 67.2 |
| 1988 | 43.8 | 54.7 | 60.8 | 66.9 | 76.5 | 86.9 | 90.0 | 84.4 | 78.7 | 75.8 | 56.7 | 49.8 | 68.7 |
| 1989 | 46.5 | 53.5 | 66.1 | 75.6 | 79.9 | 87.6 | 91.7 | 86.0 | 84.8 | 69.5 | 59.6 | 49.5 | 70.9 |
| 1990 | 46.7 | 48.8 | 56.4 | 67.2 | 72.6 | 91.0 | 88.3 | 85.3 | 81.5 | 71.6 | 58.7 | 43.3 | 67.6 |
| 1991 | 43.5 | 57.0 | 53.6 | 67.3 | 77.8 | 83.3 | 89.4 | 86.2 | 81.2 | 73.2 | 54.7 | 46.6 | 67.8 |
| 1992 | 42.6 | 51.5 | 58.4 | 71.7 | 71.9 | 83.4 | 86.0 | 85.7 | 82.4 | 72.5 | 51.1 | 45.2 | 66.9 |
| 1993 | 48.0 | 50.9 | 60.2 | 68.8 | 76.9 | 87.2 | 90.5 | 85.6 | 81.9 | 69.2 | 54.2 | 51.4 | 68.7 |
| 1994 | 52.0 | 51.4 | 61.4 | 67.9 | 77.1 | 90.9 | 92.1 | 90.0 | 82.8 | 67.5 | 53.5 | 51.3 | 69.8 |
| 1995 | 46.6 | 58.6 | 60.5 | 63.2 | 71.3 | 85.2 | 91.5 | 90.7 | 82.6 | 74.8 | 63.4 | 51.8 | 70.0 |
| 1996 | 52.0 | 58.2 | 61.5 | 71.5 | 82.8 | 89.1 | 92.3 | 89.1 | 76.3 | 68.5 | 58.9 | 50.9 | 70.9 |
| 1997 | 44.5 | 52.2 | 65.4 | 64.1 | 79.2 | 84.7 | 90.5 | 88.5 | 83.7 | 70.2 | 58.5 | 44.2 | 68.8 |
| 1998 | 48.4 | 45.5 | 57.3 | 62.2 | 76.2 | 85.1 | 89.6 | 89.3 | 85.1 | 70.6 | 59.7 | 52.7 | 68.5 |
| 1999 | 54.6 | 59.3 | 65.9 | 64.2 | 76.0 | 86.1 | 87.1 | 85.1 | 81.9 | 75.3 | 68.7 | 49.7 | 71.2 |
| 2000 | 53.3 | 60.4 | 59.4 | 73.4 | 84.2 | 89.7 | 93.4 | 89.9 | 86.4 | 68.4 | 50.3 | 52.8 | 71.8 |
| 2001 | 46.1 | 52.6 | 61.3 | 68.9 | 81.2 | 90.5 | 90.2 | 87.7 | 85.3 | 75.2 | 59.4 | 48.6 | 70.6 |
| 2002 | 48.8 | 55.6 | 62.0 | 73.5 | 80.5 | 92.2 | 91.6 | 89.2 | 81.0 | 68.5 | 59.2 | 44.6 | 70.6 |
| 2003 | 55.4 | 50.0 | 58.1 | 67.8 | 80.5 | 88.8 | 97.0 | 89.3 | 85.3 | 76.9 | 58.1 | 53.0 | 71.7 |
| 2004 | 49.2 | 49.0 | 67.3 | 66.8 | 81.5 | 89.2 | 91.3 | 87.5 | 81.8 | 69.9 | 55.6 | 50.5 | 70.0 |
| 2005 | 51.9 | 49.9 | 56.1 | 69.1 | 79.2 | 86.8 | 95.6 | 87.5 | 85.0 | 73.7 | 63.3 | 51.9 | 70.8 |
| 2006 | 54.8 | 58.4 | 56.8 | 72.8 | 84.0 | 92.2 | 91.0 | 84.2 | 77.6 | 68.5 | 62.0 | 49.9 | 71.0 |
| 2007 | 46.3 | 51.4 | 64.6 | 69.6 | 77.5 | 90.6 | 92.9 | 88.9 | 84.0 | 75.3 | 66.3 | 46.3 | 71.2 |
| 2008 | 44.9 | 50.4 | 62.2 | 70.6 | 76.0 | 89.3 | 89.3 | 89.8 | 83.9 | 73.9 | 62.3 | 48.7 | 70.1 |
| Average | 46.6 | 50.7 | 57.1 | 66.1 | 75.4 | 85.6 | 88.8 | 85.7 | 80.3 | 70.0 | 57.0 | 47.8 | 67.6 |
| 1949-2004 Av | 46.4 | 50.6 | 56.9 | 65.8 | 75.2 | 85.3 | 88.5 | 85.5 | 80.2 | 69.8 | 56.5 | 47.7 | 67.4 |
| 1991-2005 Av | 49.1 | 53.5 | 60.6 | 68.0 | 78.4 | 87.5 | 91.2 | 88.1 | 82.8 | 71.6 | 57.9 | 49.7 | 69.9 |

Appendix A

Zuni, NM NOAA Weather Station (299897) Average of Minimum Temperature

| Year | Values in Degrees F | | | | | | | | | | | | Annual |
|----------------|---------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | |
| 1949 | 12.2 | 14.9 | 26.9 | 33.7 | 40.4 | 49.1 | 56.9 | 53.4 | 50.8 | 34.7 | 26.8 | 12.6 | 34.4 |
| 1950 | 16.9 | 24.3 | 26.4 | 34.0 | 37.7 | 46.0 | 56.4 | 50.7 | 44.0 | 39.4 | 23.2 | 17.7 | 34.7 |
| 1951 | 13.2 | 20.1 | 22.8 | 31.5 | 39.5 | 42.1 | 56.1 | 54.0 | 44.8 | 34.8 | 23.1 | 15.2 | 33.1 |
| 1952 | 21.8 | 18.6 | 21.2 | 33.9 | 40.7 | 47.9 | 53.3 | 53.8 | 45.3 | 33.2 | 17.6 | 14.2 | 33.4 |
| 1953 | 19.4 | 16.3 | 23.2 | 29.7 | 33.3 | 46.6 | 55.7 | 51.1 | 43.8 | 35.1 | 24.1 | 8.3 | 32.2 |
| 1954 | 18.9 | 22.2 | 24.3 | 35.5 | 41.1 | 45.3 | 55.4 | 51.6 | 47.4 | 37.0 | 23.5 | 14.2 | 34.7 |
| 1955 | 10.3 | 10.1 | 23.9 | 28.9 | 39.2 | 45.2 | 51.6 | 56.2 | 46.4 | 36.7 | 24.3 | 22.6 | 32.9 |
| 1956 | 24.0 | 11.1 | 24.7 | 29.4 | 38.2 | 49.7 | 50.5 | 51.3 | 46.1 | 35.9 | 16.1 | 12.1 | 32.4 |
| 1957 | 25.1 | 30.0 | 27.5 | 30.3 | 39.0 | 47.6 | 54.2 | 54.1 | 44.0 | 37.5 | 22.7 | 21.4 | 36.1 |
| 1958 | 19.0 | 25.8 | 26.3 | 30.9 | 41.5 | 50.2 | 52.8 | 56.1 | 49.0 | 37.4 | 22.7 | 17.5 | 35.8 |
| 1959 | 15.2 | 19.7 | 20.7 | 33.3 | 36.9 | 50.5 | 54.5 | 53.7 | 43.6 | 34.3 | 23.0 | 19.8 | 33.8 |
| 1960 | 8.4 | 16.5 | 27.7 | 31.4 | 38.8 | 51.5 | 57.1 | 55.7 | 49.2 | 35.7 | 26.4 | 18.3 | 34.7 |
| 1961 | 16.6 | 23.4 | 27.3 | 31.5 | 39.0 | 51.0 | 56.4 | 56.5 | 45.9 | 34.9 | 26.5 | 14.4 | 35.3 |
| 1962 | 12.4 | 23.9 | 23.1 | 35.2 | 37.4 | 47.3 | 57.0 | 54.5 | 50.5 | 38.1 | 30.3 | 19.9 | 35.8 |
| 1963 | 10.4 | 21.9 | 26.2 | 31.7 | 41.7 | 46.5 | 58.0 | 56.0 | 52.0 | 41.5 | 29.9 | 15.9 | 36.0 |
| 1964 | 10.6 | 9.9 | 21.6 | 30.0 | 40.9 | 47.4 | 58.6 | 55.6 | 49.4 | 36.8 | 24.8 | 19.2 | 33.7 |
| 1965 | 21.8 | 17.3 | 24.7 | 32.2 | 38.4 | 45.2 | 57.0 | 53.2 | 45.1 | 34.7 | 30.2 | 22.5 | 35.2 |
| 1966 | 14.9 | 14.5 | 26.7 | 34.2 | 43.6 | 49.7 | 57.6 | 55.9 | 49.3 | 36.3 | 28.8 | 17.5 | 35.8 |
| 1967 | 10.1 | 21.4 | 27.8 | 31.1 | 38.5 | 48.7 | 58.5 | 55.2 | 49.9 | 35.4 | 28.1 | 12.9 | 34.8 |
| 1968 | 12.1 | 27.4 | 28.4 | 32.4 | 39.4 | 47.9 | 55.2 | 51.3 | 44.7 | 35.6 | 25.9 | 10.7 | 34.3 |
| 1969 | 23.4 | 23.8 | 21.1 | 32.4 | 41.2 | 47.3 | 58.1 | 58.4 | 49.5 | 35.2 | 26.4 | 23.0 | 36.7 |
| 1970 | 16.6 | 24.8 | 25.1 | 26.9 | 39.3 | 48.4 | 57.6 | 55.8 | 45.8 | 32.0 | 24.3 | 15.1 | 34.3 |
| 1971 | 12.4 | 18.3 | 23.1 | 29.2 | 36.4 | 47.2 | 55.8 | 53.9 | 44.6 | 34.1 | 24.9 | 18.6 | 33.2 |
| 1972 | 16.8 | 19.1 | 27.2 | 28.8 | 36.9 | 48.0 | 55.9 | 54.3 | 46.6 | 41.3 | 24.7 | 14.9 | 34.5 |
| 1973 | 16.4 | 20.1 | 32.4 | 26.3 | 34.7 | 42.4 | 51.8 | 49.4 | 38.4 | 25.7 | 20.1 | 9.8 | 30.6 |
| 1974 | 14.1 | 11.4 | 24.7 | 23.1 | 36.4 | 46.9 | 54.9 | 50.5 | 43.2 | 37.8 | 20.9 | 10.8 | 31.2 |
| 1975 | 15.4 | 17.5 | 24.9 | 26.3 | 33.2 | 42.5 | 54.2 | 49.4 | 46.1 | 33.4 | 13.9 | 9.2 | 30.5 |
| 1976 | 10.2 | 20.9 | 18.5 | 30.5 | 39.1 | 44.2 | 53.7 | 51.5 | 47.0 | 29.5 | 17.1 | 7.6 | 30.8 |
| 1977 | 12.9 | 20.7 | 22.7 | 31.7 | 38.4 | 50.6 | 55.1 | 55.1 | 48.8 | 38.7 | 25.2 | 20.9 | 35.1 |
| 1978 | 21.2 | 22.4 | 29.6 | 30.4 | 35.9 | 48.4 | 55.1 | 50.4 | 44.6 | 35.5 | 30.7 | 16.8 | 35.1 |
| 1979 | 19.2 | 17.5 | 26.1 | 32.7 | 42.8 | 47.7 | 52.3 | 49.7 | 46.9 | 36.2 | 21.3 | 17.3 | 34.1 |
| 1980 | 24.9 | 26.3 | 26.3 | 31.4 | 35.7 | 45.6 | 51.5 | 51.0 | 46.0 | 32.1 | 22.4 | 27.8 | 35.1 |
| 1981 | 15.3 | 16.7 | 25.9 | 33.9 | 38.7 | 49.3 | 53.4 | 51.9 | 46.2 | 33.9 | 22.3 | 16.3 | 33.7 |
| 1982 | 12.6 | 20.0 | 26.0 | 28.9 | 36.1 | 41.8 | 50.4 | 53.9 | 46.6 | 28.8 | 25.6 | 16.9 | 32.3 |
| 1983 | 15.4 | 21.2 | 26.7 | 25.6 | 34.3 | 40.9 | 52.1 | 52.9 | 47.3 | 36.5 | 22.1 | 21.6 | 33.1 |
| 1984 | 14.0 | 12.5 | 21.0 | 27.9 | 38.5 | 46.3 | 54.9 | 53.2 | 46.4 | 32.7 | 23.4 | 22.0 | 32.7 |
| 1985 | 18.5 | 18.3 | 26.2 | 30.8 | 39.3 | 44.7 | 53.2 | 51.2 | 41.7 | 35.5 | 23.6 | 16.2 | 33.3 |
| 1986 | 17.8 | 21.8 | 25.7 | 30.4 | 35.5 | 47.9 | 54.0 | 54.0 | 42.6 | 32.7 | 25.9 | 19.8 | 34.0 |
| 1987 | 14.1 | 21.6 | 21.5 | 29.6 | 36.7 | 43.9 | 47.3 | 50.4 | 40.0 | 34.7 | 23.0 | 15.1 | 31.5 |
| 1988 | 13.5 | 19.3 | 16.7 | 27.3 | 34.9 | 44.9 | 53.0 | 53.7 | 40.0 | 33.6 | 19.0 | 14.0 | 30.8 |
| 1989 | 11.9 | 18.8 | 21.8 | 32.0 | 36.9 | 42.1 | 53.3 | 50.0 | 42.2 | 31.3 | 19.4 | 11.5 | 30.9 |
| 1990 | 12.3 | 17.8 | 27.3 | 33.8 | 37.3 | 46.0 | 52.4 | 49.6 | 49.6 | 31.7 | 24.4 | 10.3 | 32.7 |
| 1991 | 17.5 | 22.3 | 23.6 | 24.8 | 31.7 | 42.7 | 53.2 | 54.5 | 45.0 | 33.5 | 23.8 | 21.0 | 32.8 |
| 1992 | 13.5 | 24.7 | 28.0 | 31.7 | 42.5 | 43.1 | 50.4 | 50.4 | 43.3 | 35.2 | 18.7 | 15.4 | 33.1 |
| 1993 | 24.6 | 23.3 | 24.7 | 27.1 | 38.5 | 42.3 | 48.6 | 53.7 | 42.9 | 33.4 | 20.8 | 15.8 | 33.0 |
| 1994 | 12.6 | 18.3 | 26.5 | 31.0 | 38.1 | 46.9 | 55.8 | 62.4 | 45.7 | 33.6 | 23.6 | 21.7 | 34.7 |
| 1995 | 20.9 | 25.6 | 27.3 | 27.6 | 34.7 | 42.0 | 50.6 | 57.4 | 46.4 | 30.8 | 28.0 | 19.2 | 34.2 |
| 1996 | 16.9 | 25.5 | 22.8 | 29.3 | 37.5 | 47.6 | 55.7 | 54.0 | 44.5 | 35.5 | 25.4 | 18.1 | 34.4 |
| 1997 | 19.1 | 20.5 | 23.5 | 30.1 | 39.2 | 45.3 | 51.5 | 55.1 | 52.2 | 33.6 | 24.1 | 16.9 | 34.3 |
| 1998 | 21.3 | 21.4 | 24.4 | 27.8 | 34.9 | 40.1 | 56.7 | 55.4 | 49.2 | 35.3 | 26.2 | 17.8 | 34.2 |
| 1999 | 15.2 | 17.3 | 24.4 | 28.0 | 36.7 | 44.4 | 56.3 | 54.2 | 46.6 | 31.7 | 24.1 | 10.4 | 32.4 |
| 2000 | 18.7 | 21.5 | 25.4 | 31.0 | 38.2 | 49.2 | 55.8 | 53.9 | 48.0 | 38.0 | 21.2 | 16.8 | 34.8 |
| 2001 | 15.6 | 18.5 | 24.9 | 31.5 | 38.4 | 45.2 | 55.9 | 54.3 | 46.9 | 35.5 | 28.4 | 15.3 | 34.2 |
| 2002 | 15.3 | 16.3 | 21.1 | 32.9 | 34.8 | 46.1 | 56.3 | 50.3 | 44.6 | 34.5 | 25.0 | 18.9 | 33.0 |
| 2003 | 22.6 | 23.1 | 25.1 | 26.2 | 39.4 | 45.5 | 54.2 | 54.0 | 44.6 | 36.5 | 22.7 | 15.5 | 34.1 |
| 2004 | 18.9 | 18.9 | 30.7 | 32.2 | 35.5 | 45.6 | 50.3 | 51.0 | 43.6 | 33.9 | 26.2 | 14.0 | 33.4 |
| 2005 | 24.6 | 26.6 | 24.8 | 27.7 | 37.9 | 41.1 | 50.5 | 50.2 | 44.7 | 33.8 | 19.4 | 10.8 | 32.7 |
| 2006 | 11.9 | 12.2 | 19.7 | 28.2 | 35.0 | 45.1 | 52.2 | 50.2 | 37.8 | 28.9 | 16.6 | 9.9 | 29.0 |
| 2007 | 9.3 | 13.1 | 17.2 | 23.8 | 35.2 | 40.1 | 49.5 | 48.8 | 40.6 | 27.2 | 20.9 | 18.6 | 28.7 |
| 2008 | 16.4 | 20.3 | 21.9 | 23.2 | 32.0 | 41.6 | 49.8 | 47.4 | 37.7 | 25.7 | 24.9 | 18.7 | 30.0 |
| Average | 16.3 | 19.8 | 24.6 | 30.1 | 37.7 | 45.9 | 54.1 | 53.1 | 45.6 | 34.4 | 23.6 | 16.3 | 33.5 |
| 1949-2004 Av | 16.3 | 19.9 | 24.9 | 30.4 | 37.9 | 46.2 | 54.4 | 53.4 | 46.0 | 34.8 | 23.9 | 16.4 | 33.7 |
| 1991-2005 Av | 18.5 | 21.6 | 25.1 | 29.3 | 37.2 | 44.5 | 53.5 | 54.0 | 45.9 | 34.3 | 23.8 | 16.5 | 33.7 |

Appendix A

Zuni, NM NOAA Weather Station (299897) Average Monthly Temperature

| Year | Values in Degrees F | | | | | | | | | | | | Annual |
|----------------|---------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | |
| 1949 | 24.6 | 29.8 | 41.3 | 50.0 | 57.1 | 65.5 | 71.2 | 69.6 | 66.4 | 50.4 | 46.2 | 28.9 | 50.1 |
| 1950 | 31.5 | 39.0 | 42.3 | 51.6 | 56.1 | 65.9 | 71.1 | 69.0 | 60.7 | 59.1 | 43.3 | 36.8 | 52.2 |
| 1951 | 29.7 | 34.6 | 39.0 | 47.1 | 57.0 | 62.6 | 73.5 | 69.7 | 63.6 | 51.3 | 38.4 | 29.0 | 49.6 |
| 1952 | 34.1 | 33.1 | 34.4 | 48.8 | 57.7 | 65.9 | 70.3 | 70.5 | 63.6 | 55.0 | 33.2 | 28.9 | 49.6 |
| 1953 | 34.8 | 33.0 | 39.8 | 46.7 | 50.9 | 66.3 | 72.5 | 68.7 | 64.6 | 52.9 | 41.2 | 24.3 | 49.6 |
| 1954 | 34.2 | 40.1 | 38.6 | 53.6 | 58.3 | 65.1 | 72.4 | 68.2 | 64.5 | 55.1 | 43.1 | 30.5 | 52.0 |
| 1955 | 25.4 | 26.0 | 40.2 | 46.1 | 55.5 | 63.9 | 69.0 | 70.2 | 64.9 | 55.5 | 41.0 | 37.5 | 49.6 |
| 1956 | 37.4 | 26.7 | 42.8 | 46.1 | 58.2 | 69.0 | 69.1 | 67.8 | 65.9 | 53.4 | 35.2 | 30.0 | 50.1 |
| 1957 | 35.3 | 43.0 | 41.0 | 45.9 | 53.4 | 65.6 | 70.1 | 68.2 | 62.6 | 51.0 | 36.1 | 36.5 | 50.7 |
| 1958 | 32.4 | 38.7 | 36.8 | 46.3 | 60.1 | 68.8 | 70.7 | 71.7 | 63.6 | 53.1 | 39.7 | 36.6 | 51.6 |
| 1959 | 32.7 | 34.5 | 38.9 | 50.1 | 55.6 | 68.6 | 72.3 | 68.4 | 61.6 | 50.9 | 39.9 | 33.5 | 50.6 |
| 1960 | 24.1 | 29.1 | 43.5 | 49.3 | 56.2 | 68.8 | 72.8 | 72.1 | 66.1 | 50.4 | 42.3 | 31.0 | 50.5 |
| 1961 | 32.7 | 36.6 | 41.2 | 48.3 | 57.3 | 69.7 | 72.5 | 69.9 | 61.2 | 51.4 | 38.8 | 28.0 | 50.6 |
| 1962 | 26.8 | 36.2 | 36.7 | 52.8 | 55.5 | 65.7 | 72.4 | 71.8 | 64.8 | 53.8 | 44.7 | 35.0 | 51.4 |
| 1963 | 25.6 | 36.8 | 41.0 | 48.4 | 59.6 | 65.3 | 73.6 | 68.5 | 66.8 | 56.8 | 43.3 | 32.7 | 51.6 |
| 1964 | 27.1 | 26.0 | 35.6 | 45.0 | 58.0 | 65.6 | 73.5 | 69.4 | 63.3 | 55.6 | 39.2 | 32.0 | 49.2 |
| 1965 | 34.5 | 31.7 | 38.3 | 47.7 | 54.4 | 61.8 | 70.9 | 69.0 | 59.8 | 53.9 | 44.4 | 35.1 | 50.1 |
| 1966 | 29.2 | 29.2 | 43.4 | 50.7 | 61.1 | 66.9 | 74.1 | 71.1 | 64.0 | 53.5 | 45.0 | 31.5 | 51.6 |
| 1967 | 28.0 | 37.6 | 44.6 | 47.6 | 55.8 | 65.0 | 72.9 | 68.9 | 63.8 | 53.6 | 44.4 | 26.0 | 50.7 |
| 1968 | 27.5 | 40.4 | 42.1 | 46.5 | 56.1 | 66.3 | 70.6 | 66.1 | 62.0 | 53.1 | 39.3 | 26.9 | 49.7 |
| 1969 | 35.3 | 35.9 | 35.7 | 49.5 | 58.4 | 65.1 | 73.0 | 73.0 | 65.0 | 49.8 | 40.1 | 36.7 | 51.5 |
| 1970 | 31.1 | 39.1 | 38.2 | 42.8 | 57.5 | 65.6 | 72.8 | 71.2 | 61.0 | 47.4 | 41.4 | 31.9 | 50.0 |
| 1971 | 30.7 | 33.7 | 41.3 | 46.4 | 53.7 | 66.1 | 72.7 | 68.4 | 60.8 | 48.4 | 39.6 | 30.6 | 49.4 |
| 1972 | 33.2 | 37.7 | 46.5 | 48.2 | 56.2 | 64.7 | 72.9 | 69.1 | 62.7 | 52.2 | 36.9 | 29.7 | 50.8 |
| 1973 | 31.7 | 35.6 | 40.3 | 42.6 | 54.3 | 61.6 | 69.3 | 67.3 | 58.1 | 47.8 | 37.8 | 28.9 | 47.9 |
| 1974 | 27.3 | 28.8 | 42.5 | 43.2 | 57.1 | 67.6 | 69.5 | 67.1 | 60.0 | 51.3 | 37.5 | 27.6 | 48.3 |
| 1975 | 30.6 | 31.2 | 39.0 | 42.8 | 52.0 | 62.7 | 69.0 | 67.4 | 60.7 | 52.4 | 35.1 | 27.8 | 47.6 |
| 1976 | 28.2 | 36.9 | 36.1 | 48.1 | 57.3 | 64.7 | 70.3 | 67.6 | 62.6 | 46.7 | 37.8 | 26.9 | 48.6 |
| 1977 | 26.4 | 36.2 | 38.3 | 48.7 | 55.2 | 67.2 | 70.1 | 69.7 | 63.5 | 54.7 | 41.8 | 36.2 | 50.7 |
| 1978 | 32.6 | 34.6 | 43.5 | 48.2 | 53.5 | 66.3 | 71.8 | 65.5 | 59.0 | 53.6 | 42.1 | 28.7 | 49.9 |
| 1979 | 29.7 | 32.4 | 39.6 | 49.1 | 56.3 | 64.6 | 69.9 | 66.4 | 64.7 | 54.7 | 36.0 | 33.9 | 49.8 |
| 1980 | 34.4 | 38.2 | 39.7 | 47.9 | 52.7 | 65.3 | 70.5 | 67.3 | 63.3 | 51.5 | 40.6 | 42.4 | 51.2 |
| 1981 | 34.0 | 36.1 | 39.1 | 51.5 | 55.4 | 67.2 | 69.5 | 68.3 | 61.5 | 50.0 | 41.9 | 33.9 | 50.7 |
| 1982 | 27.8 | 33.8 | 40.3 | 46.1 | 53.3 | 61.9 | 67.6 | 68.3 | 61.9 | 47.7 | 39.0 | 30.8 | 48.2 |
| 1983 | 30.6 | 34.6 | 39.7 | 42.4 | 54.0 | 61.6 | 69.6 | 66.2 | 61.3 | 49.7 | 35.8 | 32.3 | 48.2 |
| 1984 | 29.1 | 33.1 | 40.3 | 45.7 | 60.1 | 65.1 | 71.7 | 69.0 | 63.2 | 46.0 | 39.9 | 35.0 | 49.8 |
| 1985 | 31.0 | 32.4 | 41.4 | 49.9 | 57.4 | 66.3 | 71.4 | 69.6 | 59.3 | 53.1 | 39.3 | 33.5 | 50.4 |
| 1986 | 38.3 | 37.5 | 43.7 | 48.7 | 56.2 | 66.7 | 70.0 | 71.1 | 60.4 | 50.5 | 40.9 | 33.5 | 51.5 |
| 1987 | 30.1 | 35.1 | 37.6 | 49.6 | 55.0 | 65.2 | 67.4 | 67.2 | 60.5 | 54.2 | 39.4 | 31.0 | 49.4 |
| 1988 | 28.6 | 37.0 | 38.7 | 47.1 | 55.7 | 65.9 | 71.5 | 69.1 | 59.3 | 54.7 | 37.9 | 31.9 | 49.8 |
| 1989 | 29.2 | 36.2 | 44.0 | 53.8 | 58.4 | 64.9 | 72.5 | 68.0 | 63.5 | 50.4 | 39.5 | 30.5 | 50.9 |
| 1990 | 29.5 | 33.3 | 41.9 | 50.5 | 55.0 | 68.5 | 70.3 | 67.5 | 65.5 | 51.7 | 41.6 | 26.8 | 50.2 |
| 1991 | 30.5 | 39.6 | 38.6 | 46.1 | 54.8 | 63.0 | 71.3 | 70.3 | 63.1 | 53.3 | 39.3 | 33.8 | 50.3 |
| 1992 | 28.0 | 38.1 | 43.2 | 51.7 | 57.2 | 63.3 | 68.2 | 68.0 | 62.8 | 53.9 | 34.9 | 30.3 | 50.0 |
| 1993 | 36.3 | 37.1 | 42.5 | 48.0 | 57.7 | 64.8 | 69.5 | 69.6 | 62.4 | 51.3 | 37.5 | 33.6 | 50.8 |
| 1994 | 32.3 | 34.8 | 43.9 | 49.4 | 57.6 | 68.9 | 73.9 | 76.2 | 64.2 | 50.6 | 38.6 | 36.5 | 52.2 |
| 1995 | 33.8 | 42.1 | 43.9 | 45.4 | 53.0 | 63.6 | 71.0 | 74.0 | 64.5 | 52.8 | 45.7 | 35.5 | 52.1 |
| 1996 | 34.5 | 41.9 | 42.2 | 50.4 | 60.2 | 68.3 | 74.0 | 71.6 | 60.4 | 52.0 | 42.2 | 34.5 | 52.7 |
| 1997 | 31.8 | 36.3 | 44.5 | 47.1 | 59.2 | 65.0 | 71.0 | 71.8 | 68.0 | 51.9 | 41.3 | 30.5 | 51.5 |
| 1998 | 34.8 | 33.4 | 40.8 | 45.0 | 55.5 | 62.6 | 73.2 | 72.4 | 67.1 | 52.9 | 43.0 | 35.3 | 51.3 |
| 1999 | 34.9 | 38.3 | 45.1 | 46.1 | 56.3 | 65.2 | 71.7 | 69.7 | 64.2 | 53.5 | 46.4 | 30.1 | 51.8 |
| 2000 | 36.0 | 40.9 | 42.4 | 52.2 | 61.2 | 69.5 | 74.6 | 71.9 | 67.2 | 53.2 | 35.7 | 34.8 | 53.3 |
| 2001 | 30.9 | 35.6 | 43.1 | 50.2 | 59.8 | 67.9 | 73.1 | 71.0 | 66.1 | 55.4 | 43.9 | 32.0 | 52.4 |
| 2002 | 32.0 | 35.9 | 41.5 | 53.2 | 57.7 | 69.1 | 74.0 | 69.8 | 62.8 | 51.5 | 42.1 | 31.8 | 51.8 |
| 2003 | 39.0 | 36.6 | 41.6 | 47.0 | 60.0 | 67.1 | 75.6 | 71.6 | 64.9 | 56.7 | 40.4 | 34.2 | 52.9 |
| 2004 | 34.1 | 33.9 | 49.0 | 49.5 | 58.5 | 67.4 | 70.8 | 69.3 | 62.7 | 51.9 | 40.9 | 32.3 | 51.7 |
| 2005 | 38.2 | 38.3 | 40.5 | 48.4 | 58.5 | 64.0 | 73.1 | 68.8 | 64.9 | 53.8 | 41.4 | 31.3 | 51.8 |
| 2006 | 33.3 | 35.3 | 38.3 | 50.5 | 59.5 | 68.7 | 71.6 | 67.2 | 57.7 | 48.7 | 39.3 | 29.9 | 50.0 |
| 2007 | 27.8 | 32.3 | 40.9 | 46.7 | 56.4 | 65.4 | 71.2 | 68.9 | 62.3 | 51.2 | 43.6 | 32.5 | 49.9 |
| 2008 | 30.6 | 35.4 | 42.0 | 46.9 | 54.0 | 65.5 | 69.6 | 68.6 | 60.8 | 49.8 | 43.6 | 33.7 | 50.0 |
| Average | 31.4 | 35.3 | 40.9 | 48.1 | 56.6 | 65.8 | 71.4 | 69.4 | 63.0 | 52.2 | 40.3 | 32.1 | 50.5 |
| 1949-2004 Av | 31.4 | 35.3 | 40.9 | 48.1 | 56.6 | 65.8 | 71.4 | 69.5 | 63.1 | 52.3 | 40.2 | 32.1 | 50.5 |
| 1991-2005 Av | 33.8 | 37.5 | 42.9 | 48.6 | 57.8 | 66.0 | 72.3 | 71.1 | 64.4 | 53.0 | 40.9 | 33.1 | 51.8 |

Appendix A

Zuni, NM NOAA Weather Station (299897) Total Monthly Precipitation

| Year | Values in Inches | | | | | | | | | | | | Annual |
|----------------|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | |
| 1949 | 1.63 | 0.39 | 0.46 | 0.28 | 0.06 | 1.31 | 2.14 | 1.22 | 1.42 | 1.05 | 0.12 | 0.62 | 10.70 |
| 1950 | 0.86 | 0.56 | 0.42 | 0.02 | 0.00 | 0.18 | 1.39 | 0.07 | 0.74 | 0.00 | 0.06 | 0.11 | 4.41 |
| 1951 | 1.29 | 0.17 | 0.08 | 0.83 | 0.12 | 0.00 | 0.88 | 1.70 | 0.40 | 0.60 | 0.56 | 1.04 | 7.67 |
| 1952 | 0.99 | 0.61 | 0.59 | 2.01 | 0.17 | 1.16 | 1.54 | 2.67 | 0.88 | 0.00 | 1.84 | 0.19 | 12.65 |
| 1953 | 0.16 | 0.24 | 0.77 | 0.63 | 0.35 | 0.31 | 0.57 | 0.73 | 0.00 | 0.59 | 0.44 | 0.45 | 5.24 |
| 1954 | 0.23 | 0.29 | 2.57 | 0.30 | 0.88 | 0.09 | 2.12 | 0.63 | 1.48 | 0.44 | 0.17 | 0.56 | 9.76 |
| 1955 | 1.44 | 0.79 | 0.03 | 0.26 | 0.20 | 0.74 | 2.68 | 2.64 | 0.02 | 0.04 | 0.11 | 0.36 | 9.31 |
| 1956 | 2.31 | 0.56 | 0.04 | 0.44 | 0.05 | 0.01 | 3.30 | 0.82 | 0.02 | 0.42 | 0.05 | 0.44 | 8.46 |
| 1957 | 1.68 | 1.35 | 1.17 | 0.63 | 1.22 | 0.72 | 3.73 | 1.86 | 0.00 | 2.62 | 0.83 | 0.50 | 16.31 |
| 1958 | 0.33 | 0.68 | 1.09 | 0.60 | 0.16 | 0.29 | 0.92 | 2.33 | 2.54 | 0.77 | 0.71 | 0.09 | 10.51 |
| 1959 | 0.19 | 0.26 | 0.08 | 0.54 | 0.08 | 0.13 | 1.62 | 2.42 | 0.26 | 2.75 | 0.32 | 1.59 | 10.24 |
| 1960 | 0.68 | 0.60 | 0.63 | 0.27 | 0.48 | 0.62 | 0.79 | 0.35 | 0.86 | 3.14 | 0.41 | 0.39 | 9.22 |
| 1961 | 0.95 | 0.27 | 1.46 | 0.26 | 0.09 | 0.14 | 1.90 | 3.02 | 0.73 | 2.46 | 0.34 | 0.81 | 12.43 |
| 1962 | 0.98 | 0.85 | 0.35 | 0.48 | 0.03 | 0.01 | 0.57 | 0.58 | 2.19 | 3.24 | 1.54 | 0.37 | 11.19 |
| 1963 | 0.25 | 1.43 | 0.58 | 0.15 | 0.06 | 0.00 | 0.59 | 5.53 | 1.60 | 2.02 | 1.31 | 0.17 | 13.69 |
| 1964 | 0.43 | 0.73 | 0.62 | 0.93 | 0.03 | 0.00 | 3.19 | 2.77 | 1.30 | 0.11 | 0.82 | 1.13 | 12.06 |
| 1965 | 1.09 | 0.98 | 0.59 | 0.85 | 0.61 | 1.40 | 3.57 | 1.78 | 0.59 | 0.64 | 1.03 | 1.90 | 15.03 |
| 1966 | 0.33 | 0.58 | 0.40 | 0.83 | 0.00 | 0.06 | 1.47 | 2.75 | 3.21 | 0.11 | 0.58 | 1.59 | 11.91 |
| 1967 | 0.45 | 0.08 | 0.52 | 0.24 | 0.26 | 0.72 | 3.17 | 4.09 | 2.33 | 0.53 | 0.56 | 1.95 | 14.90 |
| 1968 | 0.70 | 0.82 | 2.21 | 1.53 | 0.63 | 0.25 | 2.57 | 3.11 | 0.32 | 0.76 | 1.30 | 1.74 | 15.94 |
| 1969 | 1.89 | 0.97 | 2.57 | 0.35 | 1.38 | 0.11 | 2.75 | 1.77 | 2.06 | 1.75 | 0.96 | 0.47 | 17.03 |
| 1970 | 0.64 | 0.78 | 1.54 | 0.79 | 0.11 | 0.82 | 1.77 | 1.57 | 1.84 | 0.91 | 0.32 | 1.11 | 12.20 |
| 1971 | 0.22 | 0.62 | 0.19 | 0.41 | 0.02 | 0.00 | 0.97 | 3.71 | 3.54 | 1.80 | 0.70 | 1.11 | 13.29 |
| 1972 | 0.06 | 0.02 | 0.00 | 0.18 | 0.47 | 1.51 | 0.93 | 0.82 | 0.72 | 6.65 | 1.31 | 1.21 | 13.88 |
| 1973 | 0.86 | 1.32 | 2.35 | 0.01 | 0.95 | 0.30 | 3.17 | 1.17 | 0.70 | 0.10 | 0.87 | 0.34 | 12.13 |
| 1974 | 1.38 | 0.39 | 0.13 | 0.25 | 0.00 | 0.02 | 1.45 | 2.54 | 0.73 | 4.15 | 0.19 | 0.10 | 11.32 |
| 1975 | 0.36 | 0.98 | 0.59 | 0.82 | 0.09 | 0.00 | 1.89 | 0.92 | 2.79 | 0.18 | 0.12 | 0.66 | 9.40 |
| 1976 | 0.10 | 0.39 | 0.77 | 0.27 | 0.42 | 0.04 | 3.57 | 1.08 | 0.71 | 0.71 | 0.10 | 0.67 | 8.83 |
| 1977 | 0.87 | 0.08 | 0.10 | 0.16 | 0.15 | 0.21 | 1.66 | 4.13 | 1.27 | 0.51 | 0.85 | 0.41 | 10.40 |
| 1978 | 1.11 | 1.49 | 2.21 | 0.13 | 0.67 | 0.00 | 0.56 | 0.61 | 0.44 | 0.47 | 1.15 | 1.48 | 10.32 |
| 1979 | 1.85 | 0.63 | 0.88 | 0.18 | 1.94 | 0.14 | 1.32 | 1.43 | 0.03 | 0.90 | 1.18 | 1.24 | 11.72 |
| 1980 | 2.55 | 2.74 | 0.65 | 0.17 | 0.25 | 0.00 | 0.68 | 1.01 | 0.48 | 0.34 | 0.00 | 1.03 | 9.90 |
| 1981 | 0.31 | 0.79 | 3.27 | 0.70 | 0.97 | 0.32 | 2.99 | 2.28 | 1.39 | 0.93 | 0.10 | 0.00 | 14.05 |
| 1982 | 0.64 | 1.32 | 0.64 | 0.00 | 0.71 | 0.00 | 2.30 | 5.22 | 1.93 | 0.30 | 0.99 | 1.54 | 15.59 |
| 1983 | 1.21 | 0.67 | 1.50 | 1.27 | 0.43 | 0.26 | 3.53 | 2.79 | 1.26 | 1.19 | 1.01 | 1.19 | 16.31 |
| 1984 | 0.06 | 0.01 | 1.05 | 1.11 | 0.07 | 0.11 | 1.74 | 1.95 | 4.64 | 1.82 | 0.44 | 1.85 | 14.85 |
| 1985 | 1.29 | 0.52 | 1.59 | 2.04 | 0.09 | 0.15 | 2.29 | 0.17 | 1.24 | 0.65 | 1.14 | 0.09 | 11.26 |
| 1986 | 0.00 | 0.72 | 1.37 | 0.91 | 0.38 | 0.78 | 2.68 | 3.34 | 1.35 | 1.72 | 2.54 | 1.91 | 17.70 |
| 1987 | 1.08 | 1.40 | 0.30 | 0.66 | 0.66 | 1.64 | 2.98 | 1.91 | 0.34 | 0.98 | 1.93 | 0.88 | 14.76 |
| 1988 | 0.81 | 0.70 | 0.00 | 2.48 | 0.35 | 1.52 | 1.13 | 5.90 | 1.37 | 0.07 | 0.63 | 0.08 | 15.04 |
| 1989 | 1.09 | 0.42 | 0.03 | 0.00 | 0.19 | 0.00 | 2.95 | 1.75 | 0.11 | 1.25 | 0.07 | 0.03 | 7.89 |
| 1990 | 0.31 | 0.42 | 1.06 | 0.51 | 1.12 | 0.23 | 0.72 | 2.36 | 2.26 | 0.97 | 0.94 | 2.03 | 12.93 |
| 1991 | 1.23 | 0.36 | 2.00 | 0.01 | 0.00 | 0.89 | 0.53 | 2.42 | 0.96 | 0.77 | 1.72 | 1.41 | 12.30 |
| 1992 | 1.23 | 0.44 | 1.84 | 0.10 | 3.29 | 0.28 | 4.52 | 2.75 | 0.58 | 1.23 | 0.47 | 1.69 | 18.42 |
| 1993 | 3.63 | 0.51 | 1.21 | 0.02 | 0.46 | 0.00 | 0.05 | 3.49 | 0.04 | 1.11 | 1.37 | 0.19 | 12.08 |
| 1994 | 0.02 | 0.90 | 0.81 | 1.43 | 1.10 | 0.69 | 1.98 | 1.72 | 1.71 | 2.62 | 0.55 | 0.89 | 14.42 |
| 1995 | 1.67 | 1.16 | 1.08 | 0.75 | 0.76 | 0.00 | 0.41 | 2.35 | 0.23 | 0.00 | 1.42 | 0.42 | 10.25 |
| 1996 | 0.63 | 0.80 | 0.36 | 0.21 | 0.00 | 0.41 | 3.01 | 1.94 | 2.74 | 1.24 | 1.25 | 0.00 | 12.59 |
| 1997 | 2.07 | 0.57 | 0.00 | 2.07 | 0.85 | 1.61 | 1.04 | 3.97 | 1.06 | 1.05 | 1.15 | 1.46 | 16.90 |
| 1998 | 0.64 | 2.02 | 1.98 | 0.74 | 0.00 | 0.00 | 3.57 | 1.83 | 1.40 | 3.22 | 1.50 | 0.68 | 17.58 |
| 1999 | 0.05 | 0.10 | 0.21 | 0.55 | 0.70 | 0.42 | 3.08 | 3.60 | 1.19 | 0.00 | 0.00 | 0.04 | 9.94 |
| 2000 | 0.59 | 0.50 | 1.79 | 0.00 | 0.00 | 1.09 | 0.12 | 2.13 | 0.45 | 2.12 | 0.65 | 0.18 | 9.62 |
| 2001 | 0.60 | 0.69 | 0.10 | 0.92 | 0.23 | 0.11 | 1.69 | 3.68 | 0.93 | 0.33 | 0.47 | 0.64 | 10.39 |
| 2002 | 0.85 | 0.18 | 0.56 | 0.79 | 0.00 | 0.33 | 1.15 | 1.92 | 2.83 | 1.63 | 0.31 | 1.68 | 12.23 |
| 2003 | 0.10 | 1.04 | 0.67 | 0.04 | 0.00 | 0.05 | 0.91 | 0.78 | 0.58 | 0.89 | 0.78 | 0.25 | 6.09 |
| 2004 | 0.42 | 0.51 | 0.92 | 0.62 | 0.00 | 0.20 | 0.39 | 1.34 | 1.16 | 0.57 | 0.72 | 0.92 | 7.77 |
| 2005 | 1.55 | 2.56 | 1.58 | 1.05 | 0.22 | 0.23 | 0.69 | 1.05 | 0.36 | 0.76 | 0.12 | 0.19 | 10.36 |
| 2006 | 0.11 | 0.00 | 1.08 | 0.28 | 0.00 | 0.52 | 1.83 | 1.92 | 1.49 | 1.75 | 0.42 | 1.12 | 10.52 |
| 2007 | 0.81 | 0.91 | 0.06 | 0.64 | 1.41 | 0.14 | 2.03 | 3.86 | 0.35 | 0.38 | 0.09 | 2.08 | 12.76 |
| 2008 | 1.48 | 1.36 | 0.14 | 0.16 | 1.68 | 0.07 | 2.04 | 1.32 | 0.39 | 1.38 | 0.69 | 1.74 | 12.45 |
| Average | 0.89 | 0.74 | 0.90 | 0.60 | 0.46 | 0.39 | 1.86 | 2.19 | 1.18 | 1.19 | 0.74 | 0.85 | 11.98 |
| 1949-2004 Av | 0.88 | 0.70 | 0.91 | 0.60 | 0.43 | 0.40 | 1.88 | 2.20 | 1.21 | 1.20 | 0.77 | 0.82 | 12.02 |
| 1991-2005 Av | 1.02 | 0.82 | 1.01 | 0.62 | 0.51 | 0.42 | 1.54 | 2.33 | 1.08 | 1.17 | 0.83 | 0.71 | 12.06 |

Appendix A

Zuni, NM NOAA Weather Station (299897) Frost Dates

| Year | Spring 28 | Spring 32 | Fall 32 | Fall 28 |
|----------------|-------------|-------------|-------------|--------------|
| 1949 | 4/12 | 5/7 | 10/9 | 10/10 |
| 1950 | 5/9 | 5/9 | 10/29 | 11/4 |
| 1951 | 5/2 | 6/2 | 10/6 | 10/13 |
| 1952 | 4/4 | 4/28 | 9/13 | 10/16 |
| 1953 | 5/29 | 5/31 | 10/14 | 10/25 |
| 1954 | 4/2 | 6/7 | 10/15 | 10/25 |
| 1955 | 5/16 | 5/16 | 10/7 | 10/7 |
| 1956 | 5/15 | 5/15 | 10/19 | 10/20 |
| 1957 | 4/28 | 5/21 | 10/8 | 10/22 |
| 1958 | 4/14 | 5/3 | 10/21 | 10/22 |
| 1959 | 5/10 | 5/27 | 9/25 | 11/5 |
| 1960 | 4/26 | 5/20 | 10/18 | 10/19 |
| 1961 | 5/8 | 5/13 | 10/10 | 10/24 |
| 1962 | 5/18 | 5/22 | 10/28 | 11/8 |
| 1963 | 5/12 | 5/12 | 11/1 | 11/16 |
| 1964 | 5/8 | 5/9 | 10/12 | 10/26 |
| 1965 | 5/9 | 5/10 | 9/21 | 10/1 |
| 1966 | 4/20 | 4/21 | 10/14 | 10/14 |
| 1967 | 5/6 | 5/15 | 10/7 | 10/16 |
| 1968 | 4/24 | 5/15 | 10/16 | 10/17 |
| 1969 | 4/27 | 5/7 | 10/5 | 10/5 |
| 1970 | 5/2 | 5/8 | 10/7 | 10/8 |
| 1971 | 5/19 | 6/4 | 9/19 | 10/18 |
| 1972 | 4/28 | 5/22 | 10/29 | 10/31 |
| 1973 | 5/8 | 6/1 | 9/3 | 9/27 |
| 1974 | 6/9 | 6/10 | 9/28 | 9/28 |
| 1975 | 5/23 | 5/24 | 10/4 | 10/14 |
| 1976 | 6/12 | 6/12 | 10/5 | 10/5 |
| 1977 | 5/27 | 5/27 | 10/25 | 11/1 |
| 1978 | 5/18 | 5/18 | 10/15 | 10/26 |
| 1979 | 5/13 | 5/13 | 10/21 | 10/21 |
| 1980 | 5/12 | 5/26 | 10/15 | 10/16 |
| 1981 | 5/27 | 5/27 | 10/16 | 10/16 |
| 1982 | 5/7 | 5/16 | 9/28 | 10/2 |
| 1983 | 5/18 | 6/5 | 10/12 | 10/12 |
| 1984 | 5/8 | 5/9 | 10/13 | 10/16 |
| 1985 | 5/14 | 5/22 | 9/23 | 10/23 |
| 1986 | 5/14 | 5/17 | 9/30 | 10/13 |
| 1987 | 5/27 | 5/29 | 9/15 | 10/17 |
| 1988 | 5/31 | 6/1 | 9/19 | 9/29 |
| 1989 | 5/12 | 6/1 | 9/14 | 10/18 |
| 1990 | 5/20 | 5/20 | 10/9 | 10/9 |
| 1991 | 5/15 | 5/31 | 10/5 | 10/26 |
| 1992 | 4/23 | 4/23 | 10/7 | 10/7 |
| 1993 | 6/7 | 6/8 | 9/25 | 10/20 |
| 1994 | 4/28 | 5/21 | 10/6 | 10/6 |
| 1995 | 5/9 | 6/9 | 9/30 | 10/5 |
| 1996 | 5/27 | 5/27 | 9/28 | 10/21 |
| 1997 | 5/4 | 5/4 | 10/8 | 10/13 |
| 1998 | 5/15 | 5/24 | 10/6 | 10/6 |
| 1999 | 6/5 | 6/5 | 10/8 | 10/17 |
| 2000 | 4/21 | 5/18 | 9/24 | 11/1 |
| 2001 | 6/14 | 6/14 | 10/11 | 10/11 |
| 2002 | 5/22 | 5/23 | 10/4 | 10/4 |
| 2003 | 5/11 | 5/12 | 10/14 | 10/24 |
| 2004 | 5/14 | 5/31 | 9/22 | 9/22 |
| 2005 | 5/12 | 6/5 | 10/10 | 10/20 |
| 2006 | 5/6 | 5/31 | 9/17 | 9/17 |
| 2007 | 6/8 | 6/9 | 9/24 | 9/25 |
| 2008 | 5/14 | 6/10 | 9/14 | 10/6 |
| Average | 5/11 | 5/22 | 10/5 | 10/15 |
| 1949-2004 Av | 5/11 | 5/21 | 10/6 | 10/16 |
| 1991-2005 Av | 5/15 | 5/25 | 10/3 | 10/13 |

Appendix A
 NOAA/NWS Weather Stations near Zuni Pueblo, NM
 Monthly Total of Missing Days

| Sum of Year | Maximum Temperature Albuquerque(29034) | | | | | | | | | | | | Grand Total |
|----------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------------|
| | month 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| 1914 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1915 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1916 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1917 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1918 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1919 | 31 | 28 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 90 |
| 1920 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1921 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1922 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 0 | 0 | 0 | 0 | 31 |
| 1923 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1924 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1925 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1926 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1927 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1928 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1929 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1930 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1931 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1932 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1933 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1934 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1935 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1936 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1937 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1938 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1939 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1940 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1941 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1942 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1943 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1944 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1945 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1946 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1947 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1948 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1949 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1950 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1951 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1952 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1953 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1954 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1955 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1956 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1957 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1958 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1959 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1960 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1961 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1962 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1963 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1964 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1965 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1966 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1967 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1968 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1969 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1970 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1971 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1972 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1973 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1974 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1975 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1976 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1977 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1978 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1979 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1980 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1981 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1982 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1983 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1985 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1986 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1987 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1988 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1989 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1990 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1991 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1992 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1993 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1994 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1995 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1996 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1997 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1998 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2001 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2002 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2003 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2004 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2005 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2006 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2007 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2008 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Grand Total | 186 | 169 | 186 | 150 | 155 | 150 | 155 | 186 | 150 | 155 | 150 | 155 | 1947 |

Appendix A
 NOAA/NWS Weather Stations near Zuni Pueblo, NM
 Monthly Total of Missing Days

| Sum of Year | Minimum Temperature Albuquerque(29034) | | | | | | | | | | | | Grand Total |
|----------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------------|
| | month 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| 1914 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1915 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1916 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1917 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1918 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1919 | 31 | 28 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 90 |
| 1920 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1921 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1922 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 0 | 0 | 0 | 0 | 31 |
| 1923 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1924 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1925 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1926 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1927 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1928 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1929 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1930 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1931 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1932 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1933 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1934 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1935 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1936 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1937 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1938 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1939 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1940 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1941 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1942 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1943 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1944 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1945 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1946 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1947 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 0 | 0 | 0 | 0 | 31 |
| 1948 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1949 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1950 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1951 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1952 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1953 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1954 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1955 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1956 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1957 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1958 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1959 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1960 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1961 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1962 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1963 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1964 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1965 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1966 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1967 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1968 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1969 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1970 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1971 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1972 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1973 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1974 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1975 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1976 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1977 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1978 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1979 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1980 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1981 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1982 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1983 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1985 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1986 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1987 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1988 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1989 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1990 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1991 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1992 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1993 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1994 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1995 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1996 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1997 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1998 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2001 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2002 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2003 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2004 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2005 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2006 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2007 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2008 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Grand Total | 186 | 169 | 186 | 150 | 155 | 150 | 155 | 217 | 150 | 155 | 150 | 155 | 1978 |

Appendix A
 NOAA/NWS Weather Stations near Zuni Pueblo, NM
 Monthly Total of Missing Days

| Sum of Year | Daily Precipitation Albuquerque(29034) | | | | | | | | | | | | Grand Total |
|----------------|---|----|---|----|----|----|----|---|----|----|----|----|-------------|
| | month 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| 1914 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 0 | 30 |
| 1915 | 0 | 0 | 0 | 0 | 31 | 30 | 0 | 0 | 30 | 31 | 30 | 31 | 183 |
| 1916 | 0 | 29 | 0 | 30 | 0 | 30 | 31 | 0 | 0 | 0 | 0 | 0 | 120 |
| 1917 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1918 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1919 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1920 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1921 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1922 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1923 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1924 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1925 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1926 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1927 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1928 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1929 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1930 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1931 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1932 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1933 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1934 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1935 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1936 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1937 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1938 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1939 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1940 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1941 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1942 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1943 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1944 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1945 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1946 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1947 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1948 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1949 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1950 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1951 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1952 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1953 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1954 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1955 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1956 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1957 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1958 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1959 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1960 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1961 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1962 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1963 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1964 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1965 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1966 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1967 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1968 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1969 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1970 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1971 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1972 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1973 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1974 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1975 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1976 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1977 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1978 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1979 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1980 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1981 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1982 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1983 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1985 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1986 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1987 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1988 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1989 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1990 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1991 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1992 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1993 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1994 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1995 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1996 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1997 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1998 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2001 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2002 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2003 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2004 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2005 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2006 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2007 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2008 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Grand Total | 0 | 29 | 0 | 30 | 31 | 60 | 31 | 0 | 30 | 31 | 60 | 31 | 333 |

Appendix A
 NOAA/NWS Weather Stations near Zuni Pueblo, NM
 Monthly Total of Missing Days

| Sum of Year | Maximum Temperature Black Rock (291018) | | | | | | | | | | | | Grand Total |
|----------------|--|------|------|------|------|------|------|------|------|------|------|------|-------------|
| | month 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| 1914 | 31 | 28 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 90 |
| 1915 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 3 |
| 1916 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1917 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1918 | 1 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 3 | 1 | 0 | 1 | 10 |
| 1919 | 0 | 0 | 0 | 2 | 1 | 0 | 1 | 1 | 1 | 1 | 2 | 0 | 9 |
| 1920 | 0 | 8 | 0 | 0 | 2 | 21 | 31 | 0 | 0 | 0 | 0 | 4 | 66 |
| 1921 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 1922 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 5 |
| 1923 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 6 |
| 1924 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 7 |
| 1925 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1926 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1927 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1928 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 4 |
| 1929 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1930 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1931 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 10 |
| 1932 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1933 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1934 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 1935 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1936 | 4 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 5 | 0 | 0 | 7 | 18 |
| 1937 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 1 | 3 | 0 | 13 |
| 1938 | 0 | 0 | 0 | 0 | 8 | 0 | 3 | 8 | 0 | 0 | 4 | 6 | 29 |
| 1939 | 0 | 0 | 6 | 0 | 0 | 0 | 2 | 3 | 2 | 0 | 0 | 7 | 20 |
| 1940 | 0 | 0 | 1 | 0 | 0 | 8 | 0 | 0 | 0 | 1 | 3 | 0 | 13 |
| 1941 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 4 | 0 | 8 |
| 1942 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 6 | 0 | 10 |
| 1943 | 6 | 0 | 0 | 2 | 1 | 0 | 7 | 1 | 5 | 9 | 3 | 5 | 39 |
| 1944 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1945 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1946 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 31 | 0 | 16 | 17 | 4 | 72 |
| 1947 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28 | 0 | 0 | 13 | 26 | 67 |
| 1948 | 2 | 13 | 0 | 0 | 1 | 0 | 0 | 8 | 5 | 0 | 4 | 18 | 51 |
| 1949 | 0 | 0 | 0 | 0 | 2 | 3 | 31 | 31 | 30 | 31 | 30 | 31 | 189 |
| 1950 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1951 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1952 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1953 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1954 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1955 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1956 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1957 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1958 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1959 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1960 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1961 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1962 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1963 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1964 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1965 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1966 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1967 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1968 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1969 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1970 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1971 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1972 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1973 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1974 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1975 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1976 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1977 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1978 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1979 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1980 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1981 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1982 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1983 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1984 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1985 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1986 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1987 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1988 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1989 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1990 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1991 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1992 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1993 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1994 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1995 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1996 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1997 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1998 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1999 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 2000 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 2001 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 2002 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 2003 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 2004 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 2005 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 2006 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 2007 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 2008 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| Grand Total | 1875 | 1724 | 1867 | 1777 | 1844 | 1804 | 1911 | 1953 | 1829 | 1900 | 1875 | 1940 | 22299 |

Appendix A
 NOAA/NWS Weather Stations near Zuni Pueblo, NM
 Monthly Total of Missing Days

| Sum of Year | Minimum Temperature Black Rock (291018) | | | | | | | | | | | | Grand Total | | |
|----------------|--|------|------|------|------|------|------|------|------|------|------|------|-------------|-------|-----|
| | month 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | | | |
| 1914 | 31 | 28 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 90 | |
| 1915 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1916 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1917 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1918 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1919 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1920 | 0 | 0 | 0 | 0 | 0 | 28 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 59 | |
| 1921 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1922 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1923 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1924 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1925 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1926 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1927 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1928 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1929 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1930 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1931 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1932 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1933 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1934 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1935 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1936 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1937 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1938 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1939 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1940 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1941 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1942 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1943 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1944 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1945 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1946 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 0 | 0 | 0 | 0 | 0 | 31 | |
| 1947 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1948 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | |
| 1949 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 184 | |
| 1950 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1951 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1952 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1953 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1954 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1955 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1956 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1957 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1958 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1959 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1960 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1961 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1962 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1963 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1964 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1965 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1966 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1967 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1968 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1969 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1970 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1971 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1972 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1973 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1974 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1975 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1976 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1977 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1978 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1979 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1980 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1981 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1982 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1983 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1984 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1985 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1986 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1987 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1988 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1989 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1990 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1991 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1992 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1993 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1994 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1995 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1996 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1997 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1998 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1999 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 365 |
| 2000 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 366 |
| 2001 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 365 |
| 2002 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 365 |
| 2003 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 365 |
| 2004 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 366 |
| 2005 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 365 |
| 2006 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 365 |
| 2007 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 365 |
| 2008 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 31 | 182 |
| Grand Total | 1861 | 1695 | 1860 | 1770 | 1829 | 1798 | 1860 | 1860 | 1770 | 1829 | 1770 | 1829 | 1829 | 21731 | |

Appendix A
 NOAA/NWS Weather Stations near Zuni Pueblo, NM
 Monthly Total of Missing Days

| Sum of Year | Daily Precipitation Black Rock (291018) | | | | | | | | | | | | Grand Total | |
|----------------|--|------|------|------|------|------|------|------|------|------|------|------|-------------|-------|
| | month 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | | |
| 1914 | 31 | 28 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 90 |
| 1915 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1916 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1917 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1918 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1919 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1920 | 0 | 0 | 0 | 0 | 0 | 28 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 59 |
| 1921 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1922 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1923 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1924 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1925 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1926 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1927 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1928 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1929 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1930 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1931 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1932 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1933 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1934 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1935 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1936 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1937 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1938 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1939 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1940 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1941 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1942 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1943 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1944 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1945 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1946 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 0 | 0 | 0 | 0 | 0 | 31 |
| 1947 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1948 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1949 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 184 |
| 1950 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 365 |
| 1951 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 365 |
| 1952 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 366 |
| 1953 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 365 |
| 1954 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 365 |
| 1955 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 365 |
| 1956 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 366 |
| 1957 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 365 |
| 1958 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 365 |
| 1959 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 365 |
| 1960 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 366 |
| 1961 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 365 |
| 1962 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 365 |
| 1963 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 365 |
| 1964 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 366 |
| 1965 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 365 |
| 1966 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 365 |
| 1967 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 365 |
| 1968 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 366 |
| 1969 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 365 |
| 1970 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 365 |
| 1971 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 365 |
| 1972 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 366 |
| 1973 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 365 |
| 1974 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 365 |
| 1975 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 365 |
| 1976 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 366 |
| 1977 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 365 |
| 1978 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 365 |
| 1979 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 365 |
| 1980 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 366 |
| 1981 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 365 |
| 1982 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 365 |
| 1983 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 365 |
| 1984 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 366 |
| 1985 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 365 |
| 1986 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 365 |
| 1987 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 365 |
| 1988 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 366 |
| 1989 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 365 |
| 1990 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 365 |
| 1991 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 365 |
| 1992 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 366 |
| 1993 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 365 |
| 1994 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 365 |
| 1995 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 365 |
| 1996 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 366 |
| 1997 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 365 |
| 1998 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 365 |
| 1999 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 365 |
| 2000 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 366 |
| 2001 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 365 |
| 2002 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 365 |
| 2003 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 365 |
| 2004 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 366 |
| 2005 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 365 |
| 2006 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 365 |
| 2007 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 365 |
| 2008 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 30 | 366 |
| Grand Total | 1861 | 1695 | 1860 | 1770 | 1829 | 1798 | 1891 | 1891 | 1800 | 1860 | 1800 | 1860 | 1860 | 21915 |

Appendix A
 NOAA/NWS Weather Stations near Zuni Pueblo, NM
 Monthly Total of Missing Days

Maximum Temperature
 El Morro (292785)

| Year | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | Grand Total |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------------|
| 1914 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1915 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1916 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1917 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1918 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1919 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1920 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1921 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1922 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1923 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1924 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1925 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1926 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1927 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1928 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1929 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1930 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1931 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1932 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1933 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1934 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1935 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1936 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1937 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1938 | 31 | 28 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60 |
| 1939 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 1940 | 1 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 9 |
| 1941 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 3 | 0 | 0 | 2 | 26 | 32 |
| 1942 | 9 | 7 | 10 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 56 |
| 1943 | 0 | 8 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| 1944 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 1945 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1946 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 30 | 3 | 35 |
| 1947 | 18 | 0 | 0 | 0 | 1 | 2 | 1 | 2 | 2 | 2 | 0 | 6 | 32 |
| 1948 | 3 | 0 | 3 | 12 | 3 | 1 | 15 | 1 | 2 | 8 | 0 | 3 | 51 |
| 1949 | 2 | 1 | 9 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 17 |
| 1950 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1951 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1952 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1953 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1954 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 | 24 |
| 1955 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 |
| 1956 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 2 |
| 1957 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1958 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1959 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1960 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1961 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1962 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1963 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1964 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1965 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 0 | 12 |
| 1966 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1967 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1968 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1969 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 2 |
| 1970 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1971 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1972 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1973 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1974 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1975 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1976 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1977 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1978 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1979 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1980 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1981 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1982 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1983 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1985 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1986 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1987 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1988 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1989 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1990 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1991 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1992 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1993 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1994 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1995 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1996 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1997 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1998 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 0 | 0 | 30 |
| 2000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2001 | 0 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 |
| 2002 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2003 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2004 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2005 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2006 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2007 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2008 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Grand T | 811 | 742 | 772 | 767 | 751 | 722 | 764 | 763 | 724 | 756 | 785 | 813 | 9170 |

Appendix A
 NOAA/NWS Weather Stations near Zuni Pueblo, NM
 Monthly Total of Missing Days

Minimum Temperature
 El Morro (292785)

| Year | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | Grand Total |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------------|
| 1914 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1915 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1916 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1917 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1918 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1919 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1920 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1921 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1922 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1923 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1924 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1925 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1926 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1927 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1928 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1929 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1930 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1931 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1932 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1933 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1934 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1935 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1936 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1937 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1938 | 31 | 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 59 |
| 1939 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1940 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1941 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 31 |
| 1942 | 0 | 0 | 0 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| 1943 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1944 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1945 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1946 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 0 | 0 | 30 |
| 1947 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1948 | 0 | 0 | 0 | 7 | 0 | 0 | 7 | 0 | 0 | 7 | 0 | 0 | 21 |
| 1949 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 1950 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1951 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1952 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1953 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1954 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1955 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1956 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1957 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1958 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1959 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1960 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1961 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1962 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1963 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1964 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1965 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 0 | 0 | 0 | 13 |
| 1966 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1967 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1968 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1969 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1970 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1971 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1972 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1973 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1974 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1975 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1976 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 31 |
| 1977 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1978 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1979 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1980 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 1981 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1982 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1983 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 1984 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 1985 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 1986 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1987 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1988 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1989 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1990 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1991 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 1992 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1993 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 2 |
| 1994 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1995 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1996 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1997 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1998 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 1999 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 30 | 0 | 33 |
| 2000 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| 2001 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 2002 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2003 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 |
| 2004 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2005 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| 2006 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| 2007 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2008 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| Grand T | 782 | 711 | 753 | 757 | 753 | 720 | 751 | 758 | 720 | 752 | 781 | 816 | 9054 |

Appendix A
 NOAA/NWS Weather Stations near Zuni Pueblo, NM
 Monthly Total of Missing Days

| Daily Precipitation El Morro (292785) | | | | | | | | | | | | | |
|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------------|
| Sum of month | | | | | | | | | | | | | |
| Year | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | Grand Total |
| 1914 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1915 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1916 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1917 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1918 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1919 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1920 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1921 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1922 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1923 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1924 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1925 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1926 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1927 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1928 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1929 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1930 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1931 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1932 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1933 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1934 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1935 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1936 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1937 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1938 | 31 | 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 59 |
| 1939 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1940 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1941 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 31 |
| 1942 | 0 | 0 | 0 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| 1943 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1944 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1945 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1946 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 0 | 0 | 30 |
| 1947 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1948 | 0 | 0 | 0 | 7 | 0 | 0 | 7 | 0 | 0 | 7 | 0 | 0 | 21 |
| 1949 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 1950 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1951 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1952 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1953 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1954 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1955 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1956 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1957 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1958 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1959 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1960 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1961 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1962 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1963 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1964 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1965 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 0 | 0 | 0 | 13 |
| 1966 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1967 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1968 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1969 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1970 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1971 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1972 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1973 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1974 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1975 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1976 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 31 |
| 1977 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1978 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1979 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1980 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 1981 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1982 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1983 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 1984 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 1985 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 1986 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1987 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1988 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1989 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1990 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1991 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 1992 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1993 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 2 |
| 1994 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1995 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1996 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1997 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1998 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 1999 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 30 | 0 | 33 |
| 2000 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| 2001 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 2002 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2003 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 |
| 2004 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2005 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| 2006 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| 2007 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2008 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| Grand T | 782 | 711 | 753 | 757 | 753 | 720 | 751 | 758 | 720 | 752 | 781 | 816 | 9054 |

Appendix A
 NOAA/NWS Weather Stations near Zuni Pueblo, NM
 Monthly Total of Missing Days

| Sum of Year | Maximum Temperature Fence Lake (293180) | | | | | | | | | | | | Grand Total | |
|----------------|--|------|------|------|------|------|------|------|------|------|------|------|-------------|-----|
| | month 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | | |
| 1914 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1915 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1916 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 366 |
| 1917 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1918 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1919 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1920 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 366 |
| 1921 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1922 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1923 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1924 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 366 |
| 1925 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1926 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1927 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1928 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 366 |
| 1929 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1930 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1931 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1932 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 366 |
| 1933 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 4 | 2 | 310 | |
| 1934 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 5 | |
| 1935 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 12 | 17 | 0 | 0 | 0 | 32 | |
| 1936 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 5 | |
| 1937 | 31 | 28 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 121 | |
| 1938 | 0 | 0 | 31 | 30 | 14 | 0 | 31 | 31 | 30 | 31 | 30 | 31 | 259 | |
| 1939 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 31 | 30 | 31 | 122 | |
| 1940 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 4 | 0 | 0 | 0 | 248 | |
| 1941 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 30 | 31 | 30 | 31 | 153 | |
| 1942 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 | |
| 1943 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 | |
| 1944 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 | |
| 1945 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 | |
| 1946 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 | |
| 1947 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 | |
| 1948 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 | |
| 1949 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 | |
| 1950 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 | |
| 1951 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 | |
| 1952 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 | |
| 1953 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 | |
| 1954 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 | |
| 1955 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 | |
| 1956 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 | |
| 1957 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 | |
| 1958 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 | |
| 1959 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 | |
| 1960 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 | |
| 1961 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 | |
| 1962 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 | |
| 1963 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 | |
| 1964 | 31 | 29 | 31 | 30 | 3 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 126 | |
| 1965 | 0 | 0 | 1 | 0 | 1 | 2 | 0 | 4 | 1 | 5 | 3 | 2 | 19 | |
| 1966 | 4 | 4 | 2 | 4 | 4 | 3 | 3 | 0 | 8 | 31 | 30 | 7 | 100 | |
| 1967 | 1 | 2 | 5 | 2 | 4 | 4 | 1 | 3 | 2 | 6 | 2 | 1 | 33 | |
| 1968 | 4 | 2 | 4 | 4 | 5 | 1 | 2 | 4 | 2 | 10 | 30 | 31 | 99 | |
| 1969 | 31 | 28 | 31 | 30 | 20 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 143 | |
| 1970 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1971 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1972 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 7 | 3 | 13 | |
| 1973 | 0 | 0 | 4 | 5 | 4 | 3 | 7 | 0 | 0 | 0 | 0 | 0 | 23 | |
| 1974 | 0 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | |
| 1975 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | |
| 1976 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1977 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | |
| 1978 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 3 | |
| 1979 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | |
| 1980 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1981 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1982 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1983 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1984 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1985 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1986 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1987 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1988 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1989 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1990 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1991 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1992 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1993 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1994 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1995 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1996 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1997 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1998 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2001 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2002 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2003 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2004 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 5 | |
| 2005 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2006 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2007 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 30 | 31 | 92 | |
| 2008 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 | |
| Grand Total | 1471 | 1340 | 1506 | 1432 | 1419 | 1333 | 1414 | 1456 | 1415 | 1513 | 1456 | 1506 | 17261 | |

Appendix A
 NOAA/NWS Weather Stations near Zuni Pueblo, NM
 Monthly Total of Missing Days

| Year | Minimum Temperature Fence Lake (293180) | | | | | | | | | | | | Grand Total | |
|-------------|--|------|------|------|------|------|------|------|------|------|------|------|-------------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | | |
| 1914 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1915 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1916 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 366 |
| 1917 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1918 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1919 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1920 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 366 |
| 1921 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1922 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1923 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1924 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 366 |
| 1925 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1926 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1927 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1928 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 366 |
| 1929 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1930 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1931 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1932 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 366 |
| 1933 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 0 | 0 | 0 | 304 |
| 1934 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1935 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1936 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1937 | 31 | 28 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 121 |
| 1938 | 0 | 0 | 31 | 30 | 0 | 0 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 245 |
| 1939 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 31 | 30 | 31 | 31 | 122 |
| 1940 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 0 | 0 | 0 | 0 | 0 | 244 |
| 1941 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 30 | 31 | 30 | 31 | 31 | 153 |
| 1942 | 0 | 28 | 0 | 0 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 273 |
| 1943 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1944 | 31 | 29 | 31 | 30 | 31 | 0 | 0 | 0 | 30 | 31 | 30 | 31 | 31 | 274 |
| 1945 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1946 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1947 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1948 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 366 |
| 1949 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1950 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1951 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1952 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 366 |
| 1953 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1954 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1955 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1956 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 366 |
| 1957 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1958 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1959 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1960 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 366 |
| 1961 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1962 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1963 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1964 | 31 | 29 | 31 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 121 |
| 1965 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1966 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 30 | 0 | 0 | 61 |
| 1967 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1968 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 31 | 0 | 61 |
| 1969 | 31 | 28 | 31 | 30 | 20 | 0 | 0 | 0 | 30 | 0 | 0 | 0 | 0 | 170 |
| 1970 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1971 | 1 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| 1972 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1973 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1974 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1975 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1976 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1977 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1978 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1979 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1980 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1981 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1982 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1983 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1985 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1986 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1987 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1988 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1989 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1990 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1991 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 1992 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1993 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1994 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1995 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1996 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1997 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1998 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2001 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 2002 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2003 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2004 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 2005 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2006 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2007 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 30 | 31 | 0 | 92 |
| 2008 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 366 |
| Grand Total | 1430 | 1330 | 1457 | 1380 | 1384 | 1290 | 1379 | 1395 | 1410 | 1488 | 1442 | 1488 | 1488 | 16873 |

Appendix A
 NOAA/NWS Weather Stations near Zuni Pueblo, NM
 Monthly Total of Missing Days

| Sum of Year | Daily Precipitation Fence Lake (293180) | | | | | | | | | | | | Grand Total | |
|----------------|--|------|------|------|------|------|------|------|------|------|------|------|-------------|-------|
| | month 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | | |
| 1914 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1915 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1916 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 366 |
| 1917 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1918 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1919 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1920 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 366 |
| 1921 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1922 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1923 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1924 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 366 |
| 1925 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1926 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1927 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1928 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 366 |
| 1929 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1930 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1931 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1932 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 366 |
| 1933 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 0 | 0 | 0 | 304 |
| 1934 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1935 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1936 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1937 | 31 | 28 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 121 |
| 1938 | 0 | 0 | 31 | 30 | 0 | 0 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 245 |
| 1939 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 31 | 30 | 31 | 31 | 122 |
| 1940 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 0 | 0 | 0 | 0 | 0 | 244 |
| 1941 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 30 | 31 | 30 | 31 | 31 | 153 |
| 1942 | 0 | 28 | 0 | 0 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 273 |
| 1943 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1944 | 31 | 29 | 31 | 30 | 31 | 0 | 0 | 0 | 30 | 31 | 30 | 31 | 31 | 274 |
| 1945 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1946 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1947 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1948 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 366 |
| 1949 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1950 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1951 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1952 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 366 |
| 1953 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1954 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1955 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1956 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 366 |
| 1957 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1958 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1959 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1960 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 366 |
| 1961 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1962 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1963 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1964 | 31 | 29 | 31 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 121 |
| 1965 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1966 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 30 | 0 | 0 | 61 |
| 1967 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1968 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 31 | 0 | 61 |
| 1969 | 31 | 28 | 31 | 30 | 20 | 0 | 0 | 0 | 30 | 0 | 0 | 0 | 0 | 170 |
| 1970 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1971 | 1 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| 1972 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1973 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1974 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1975 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1976 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1977 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1978 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1979 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1980 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1981 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1982 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1983 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1985 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1986 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1987 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1988 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1989 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1990 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1991 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 1992 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1993 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1994 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1995 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1996 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1997 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1998 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2001 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 2002 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2003 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2004 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 2005 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2006 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2007 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 30 | 31 | 0 | 92 |
| 2008 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 366 |
| Grand Total | 1430 | 1330 | 1457 | 1380 | 1384 | 1290 | 1379 | 1395 | 1410 | 1488 | 1442 | 1488 | 1488 | 16873 |

Appendix A
 NOAA/NWS Weather Stations near Zuni Pueblo, NM
 Monthly Total of Missing Days

| Sum of Year | Maximum Temperature Gallup (293422) | | | | | | | | | | | | Grand Total |
|----------------|--|------|------|------|------|------|------|------|------|------|------|------|-------------|
| | month 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| 1914 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1915 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1916 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1917 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1918 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1919 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1920 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1921 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1922 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1923 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1924 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1925 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1926 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1927 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1928 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1929 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1930 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1931 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1932 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1933 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1934 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1935 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1936 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1937 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1938 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1939 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1940 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1941 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1942 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1943 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1944 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1945 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1946 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1947 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1948 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1949 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1950 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1951 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1952 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1953 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1954 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1955 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1956 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1957 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1958 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1959 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1960 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1961 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1962 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1963 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1964 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1965 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1966 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1967 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1968 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1969 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1970 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1971 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1972 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1973 | 31 | 28 | 31 | 30 | 31 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 181 |
| 1974 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1975 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1976 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1977 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1978 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1979 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1980 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1981 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1982 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1983 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1985 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1986 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1987 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1988 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1989 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1990 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1991 | 0 | 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28 |
| 1992 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1993 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1994 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1995 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1996 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1997 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1998 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2001 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2002 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2003 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2004 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2005 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2006 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2007 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2008 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Grand Total | 1860 | 1723 | 1860 | 1800 | 1860 | 1800 | 1829 | 1829 | 1770 | 1829 | 1770 | 1829 | 21759 |

Appendix A
 NOAA/NWS Weather Stations near Zuni Pueblo, NM
 Monthly Total of Missing Days

| Sum of Year | Minimum Temperature Gallup (293422) | | | | | | | | | | | | Grand Total |
|----------------|--|------|------|------|------|------|------|------|------|------|------|------|-------------|
| | month 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| 1914 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1915 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1916 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1917 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1918 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1919 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1920 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1921 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1922 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1923 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1924 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1925 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1926 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1927 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1928 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1929 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1930 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1931 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1932 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1933 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1934 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1935 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1936 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1937 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1938 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1939 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1940 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1941 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1942 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1943 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1944 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1945 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1946 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1947 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1948 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1949 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1950 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1951 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1952 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1953 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1954 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1955 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1956 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1957 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1958 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1959 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1960 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1961 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1962 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1963 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1964 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1965 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1966 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1967 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1968 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1969 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1970 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1971 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1972 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1973 | 31 | 28 | 31 | 30 | 31 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 181 |
| 1974 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1975 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1976 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1977 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1978 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1979 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1980 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1981 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1982 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1983 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1985 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1986 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1987 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1988 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1989 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1990 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1991 | 0 | 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28 |
| 1992 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1993 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1994 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1995 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1996 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1997 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1998 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2001 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2002 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2003 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2004 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 2005 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2006 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2007 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 2008 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Grand Total | 1860 | 1723 | 1861 | 1800 | 1862 | 1802 | 1829 | 1829 | 1770 | 1829 | 1770 | 1829 | 21764 |

Appendix A
 NOAA/NWS Weather Stations near Zuni Pueblo, NM
 Monthly Total of Missing Days

| Sum of Year | Daily Precipitation Gallup (293422) | | | | | | | | | | | | Grand Total |
|----------------|--|------|------|------|------|------|------|------|------|------|------|------|-------------|
| | month 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| 1914 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1915 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1916 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1917 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1918 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1919 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1920 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1921 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1922 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1923 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1924 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1925 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1926 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1927 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1928 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1929 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1930 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1931 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1932 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1933 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1934 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1935 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1936 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1937 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1938 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1939 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1940 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1941 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1942 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1943 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1944 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1945 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1946 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1947 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1948 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1949 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1950 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1951 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1952 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1953 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1954 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1955 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1956 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1957 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1958 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1959 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1960 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1961 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1962 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1963 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1964 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1965 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1966 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1967 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1968 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1969 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1970 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1971 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1972 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1973 | 31 | 28 | 31 | 30 | 31 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 181 |
| 1974 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1975 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1976 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1977 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1978 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1979 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1980 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1981 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1982 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1983 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1985 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1986 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1987 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1988 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1989 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1990 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1991 | 0 | 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28 |
| 1992 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1993 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1994 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1995 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1996 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1997 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1998 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2001 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2002 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2003 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2004 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 2005 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2006 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2007 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 2008 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Grand Total | 1860 | 1723 | 1861 | 1800 | 1862 | 1802 | 1829 | 1829 | 1770 | 1829 | 1770 | 1829 | 21764 |

Appendix A
 NOAA/NWS Weather Stations near Zuni Pueblo, NM
 Monthly Total of Missing Days

| Sum of Year | Maximum Temperature McGaffey (295560) | | | | | | | | | | | | Grand Total |
|----------------|--|------|------|------|------|------|------|------|------|------|------|------|-------------|
| | month 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| 1914 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1915 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1916 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1917 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1918 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1919 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1920 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1921 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1922 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1923 | 0 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 334 |
| 1924 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1925 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1926 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1927 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1928 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1929 | 31 | 0 | 31 | 1 | 31 | 0 | 31 | 31 | 30 | 31 | 30 | 31 | 278 |
| 1930 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1931 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1932 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1933 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1934 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1935 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1936 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1937 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1938 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1939 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1940 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1941 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1942 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1943 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1944 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1945 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1946 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1947 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1948 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1949 | 25 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 |
| 1950 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1951 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1952 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1953 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 1954 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| 1955 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 30 | 31 | 62 |
| 1956 | 31 | 29 | 31 | 30 | 5 | 0 | 2 | 31 | 19 | 0 | 0 | 0 | 178 |
| 1957 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1958 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1959 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1960 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 9 | 0 | 0 | 0 | 17 |
| 1961 | 0 | 0 | 1 | 0 | 7 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 9 |
| 1962 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 10 |
| 1963 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 1964 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1965 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 1966 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 1 | 11 |
| 1967 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 9 | 0 | 16 |
| 1968 | 1 | 10 | 0 | 0 | 0 | 0 | 5 | 3 | 0 | 0 | 0 | 6 | 25 |
| 1969 | 1 | 0 | 0 | 0 | 5 | 6 | 3 | 5 | 6 | 8 | 3 | 10 | 47 |
| 1970 | 4 | 5 | 2 | 8 | 7 | 1 | 1 | 0 | 1 | 1 | 5 | 4 | 39 |
| 1971 | 2 | 0 | 3 | 0 | 1 | 1 | 0 | 0 | 3 | 0 | 30 | 5 | 45 |
| 1972 | 1 | 4 | 3 | 1 | 1 | 5 | 2 | 1 | 2 | 0 | 6 | 6 | 32 |
| 1973 | 2 | 1 | 0 | 0 | 1 | 0 | 1 | 2 | 3 | 1 | 6 | 0 | 17 |
| 1974 | 4 | 3 | 3 | 3 | 2 | 4 | 1 | 6 | 0 | 5 | 2 | 5 | 38 |
| 1975 | 2 | 1 | 4 | 3 | 3 | 0 | 3 | 1 | 0 | 5 | 1 | 4 | 27 |
| 1976 | 3 | 3 | 2 | 1 | 1 | 0 | 2 | 0 | 1 | 4 | 4 | 2 | 23 |
| 1977 | 2 | 0 | 2 | 1 | 2 | 0 | 2 | 1 | 2 | 2 | 3 | 2 | 19 |
| 1978 | 1 | 1 | 0 | 2 | 1 | 1 | 5 | 3 | 0 | 0 | 1 | 2 | 17 |
| 1979 | 1 | 1 | 1 | 0 | 1 | 0 | 2 | 0 | 2 | 1 | 2 | 4 | 15 |
| 1980 | 2 | 1 | 1 | 0 | 1 | 0 | 2 | 0 | 0 | 2 | 1 | 3 | 13 |
| 1981 | 1 | 2 | 3 | 2 | 0 | 3 | 2 | 1 | 0 | 3 | 1 | 0 | 18 |
| 1982 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1983 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1985 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1986 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 0 | 0 | 0 | 0 | 31 |
| 1987 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1988 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1989 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1990 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1991 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1992 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1993 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1994 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1995 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1996 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1997 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1998 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1999 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 |
| 2000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2001 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2002 | 0 | 28 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 39 |
| 2003 | 0 | 0 | 0 | 5 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| 2004 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 14 | 1 | 0 | 0 | 0 | 20 |
| 2005 | 0 | 0 | 0 | 4 | 31 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 40 |
| 2006 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 5 |
| 2007 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 2008 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Grand Total | 1137 | 1050 | 1146 | 1082 | 1173 | 1062 | 1123 | 1192 | 1107 | 1126 | 1154 | 1186 | 13538 |

Appendix A
 NOAA/NWS Weather Stations near Zuni Pueblo, NM
 Monthly Total of Missing Days

| Sum of Year | Minimum Temperature McGaffey (295560) | | | | | | | | | | | | Grand Total |
|----------------|--|------|------|------|------|------|------|------|------|------|------|------|-------------|
| | month 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| 1914 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1915 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1916 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1917 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1918 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1919 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1920 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1921 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1922 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1923 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1924 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1925 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1926 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1927 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1928 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1929 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1930 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1931 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1932 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1933 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1934 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1935 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1936 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1937 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1938 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1939 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1940 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1941 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1942 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1943 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1944 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1945 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1946 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1947 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1948 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1949 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| 1950 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1951 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1952 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1953 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1954 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1955 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 30 | 31 | 62 | |
| 1956 | 31 | 29 | 31 | 30 | 0 | 0 | 31 | 0 | 0 | 0 | 0 | 152 | |
| 1957 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1958 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1959 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1960 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1961 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1962 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1963 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1964 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1965 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1966 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 10 | |
| 1967 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1968 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1969 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1970 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1971 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 3 | 33 | |
| 1972 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1973 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1974 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1975 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1976 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1977 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1978 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1979 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1980 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1981 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1982 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | |
| 1983 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1984 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | |
| 1985 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1986 | 0 | 0 | 0 | 0 | 0 | 2 | 31 | 0 | 0 | 0 | 0 | 33 | |
| 1987 | 2 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 6 | |
| 1988 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | |
| 1989 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1990 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 4 | |
| 1991 | 0 | 0 | 2 | 0 | 0 | 1 | 2 | 1 | 1 | 3 | 3 | 13 | |
| 1992 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 | |
| 1993 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | |
| 1994 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 5 | 0 | 7 | |
| 1995 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1996 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 3 | |
| 1997 | 1 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 1 | 2 | 1 | 8 | |
| 1998 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | |
| 1999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2000 | 0 | 0 | 0 | 0 | 4 | 1 | 0 | 0 | 3 | 1 | 0 | 9 | |
| 2001 | 1 | 2 | 1 | 0 | 3 | 0 | 1 | 3 | 1 | 6 | 6 | 24 | |
| 2002 | 1 | 28 | 0 | 0 | 0 | 11 | 3 | 3 | 1 | 1 | 6 | 57 | |
| 2003 | 0 | 1 | 2 | 5 | 0 | 0 | 0 | 2 | 1 | 0 | 1 | 15 | |
| 2004 | 2 | 0 | 1 | 1 | 1 | 3 | 2 | 0 | 1 | 1 | 3 | 19 | |
| 2005 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 3 | |
| 2006 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 1 | 1 | 6 | |
| 2007 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | |
| 2008 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Grand Total | 1140 | 1051 | 1128 | 1089 | 1091 | 1070 | 1100 | 1163 | 1068 | 1101 | 1140 | 1136 | 13277 |

Appendix A
 NOAA/NWS Weather Stations near Zuni Pueblo, NM
 Monthly Total of Missing Days

| Sum of Year | Daily Precipitation McGaffey (295560) | | | | | | | | | | | | Grand Total |
|----------------|--|------|------|------|------|------|------|------|------|------|------|------|-------------|
| | month 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| 1914 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1915 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1916 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1917 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1918 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1919 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1920 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1921 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1922 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1923 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1924 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1925 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1926 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1927 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1928 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1929 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1930 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1931 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1932 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1933 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1934 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1935 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1936 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1937 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1938 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1939 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1940 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1941 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1942 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1943 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1944 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1945 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1946 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1947 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1948 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1949 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| 1950 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1951 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1952 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1953 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1954 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1955 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 30 | 31 | 62 |
| 1956 | 31 | 29 | 31 | 30 | 0 | 0 | 0 | 31 | 0 | 0 | 0 | 0 | 152 |
| 1957 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1958 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1959 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1960 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1961 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1962 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1963 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1964 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1965 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1966 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 10 |
| 1967 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1968 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1969 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1970 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1971 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 3 | 33 |
| 1972 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1973 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1974 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1975 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1976 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1977 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1978 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1979 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1980 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1981 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1982 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1983 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 1985 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1986 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 31 | 0 | 0 | 0 | 0 | 33 |
| 1987 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 6 |
| 1988 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 1989 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1990 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 4 | 4 |
| 1991 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 2 | 1 | 1 | 3 | 3 | 13 |
| 1992 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 |
| 1993 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1994 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 5 | 0 | 7 |
| 1995 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1996 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 3 |
| 1997 | 1 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 1 | 2 | 1 | 0 | 8 |
| 1998 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2000 | 0 | 0 | 0 | 0 | 4 | 1 | 0 | 0 | 0 | 3 | 1 | 0 | 9 |
| 2001 | 1 | 2 | 1 | 0 | 3 | 0 | 1 | 3 | 1 | 6 | 6 | 0 | 24 |
| 2002 | 1 | 28 | 0 | 0 | 0 | 11 | 3 | 3 | 1 | 1 | 6 | 3 | 57 |
| 2003 | 0 | 1 | 2 | 5 | 0 | 0 | 0 | 2 | 1 | 0 | 1 | 3 | 15 |
| 2004 | 2 | 0 | 1 | 1 | 1 | 3 | 2 | 0 | 1 | 1 | 3 | 4 | 19 |
| 2005 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 3 |
| 2006 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 1 | 1 | 0 | 6 |
| 2007 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 2008 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Grand Total | 1140 | 1051 | 1128 | 1089 | 1091 | 1070 | 1100 | 1163 | 1068 | 1101 | 1140 | 1136 | 13277 |

Appendix A
 NOAA/NWS Weather Stations near Zuni Pueblo, NM
 Monthly Total of Missing Days

| Sum of Year | Maximum Temperature Zuni (299897) | | | | | | | | | | | | Grand Total | |
|--------------------|--------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|-----|
| | month 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | | |
| 1914 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1915 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1916 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 366 |
| 1917 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1918 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1919 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1920 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 366 |
| 1921 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1922 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1923 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1924 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 366 |
| 1925 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1926 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1927 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1928 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 366 |
| 1929 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1930 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1931 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1932 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 366 |
| 1933 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1934 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1935 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1936 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 366 |
| 1937 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1938 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1939 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1940 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 366 |
| 1941 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1942 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1943 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1944 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 366 |
| 1945 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1946 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1947 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1948 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 366 |
| 1949 | 31 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 47 |
| 1950 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1951 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 1952 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1953 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1954 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1955 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1956 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1957 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1958 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1959 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1960 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1961 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1962 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1963 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 2 |
| 1964 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1965 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1966 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1967 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1968 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1969 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1970 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1971 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1972 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1973 | 31 | 28 | 7 | 0 | 2 | 30 | 4 | 31 | 30 | 31 | 30 | 31 | 31 | 255 |
| 1974 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 14 | 348 |
| 1975 | 1 | 4 | 17 | 5 | 3 | 8 | 31 | 10 | 3 | 7 | 7 | 9 | 9 | 105 |
| 1976 | 3 | 29 | 31 | 4 | 3 | 0 | 3 | 6 | 3 | 31 | 4 | 31 | 31 | 148 |
| 1977 | 0 | 0 | 2 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 1978 | 31 | 3 | 0 | 3 | 0 | 3 | 4 | 1 | 6 | 0 | 3 | 2 | 56 | 56 |
| 1979 | 0 | 7 | 0 | 2 | 3 | 2 | 0 | 0 | 9 | 2 | 5 | 7 | 37 | 37 |
| 1980 | 2 | 5 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 14 | 14 |
| 1981 | 1 | 2 | 0 | 8 | 0 | 2 | 0 | 0 | 3 | 2 | 1 | 0 | 19 | 19 |
| 1982 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1983 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1985 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1986 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1987 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1988 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1989 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 16 | 16 |
| 1990 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1991 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1992 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1993 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1994 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1995 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1996 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1997 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1998 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2001 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2002 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2003 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2004 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2005 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2006 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2007 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2008 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Grand Total | 1216 | 1111 | 1173 | 1105 | 1132 | 1126 | 1159 | 1164 | 1135 | 1189 | 1134 | 1195 | 13839 | |

Appendix A
 NOAA/NWS Weather Stations near Zuni Pueblo, NM
 Monthly Total of Missing Days

| Year | Minimum Temperature Zuni (299897) | | | | | | | | | | | | Grand Total | |
|-------------|--------------------------------------|------|------|------|------|------|------|------|------|------|------|------|-------------|-------|
| | Sum of month | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | | 12 |
| 1914 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1915 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1916 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1917 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1918 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1919 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1920 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1921 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1922 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1923 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1924 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1925 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1926 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1927 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1928 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1929 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1930 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1931 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1932 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1933 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1934 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1935 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1936 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1937 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1938 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1939 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1940 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1941 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1942 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1943 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1944 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1945 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1946 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1947 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 31 | 30 | 31 | 30 | 31 | 365 |
| 1948 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 31 | 30 | 31 | 30 | 31 | 366 |
| 1949 | 31 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 47 |
| 1950 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1951 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 1952 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1953 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1954 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1955 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1956 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1957 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1958 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1959 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1960 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1961 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1962 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1963 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1964 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1965 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1966 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1967 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1968 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1969 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1970 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1971 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1972 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1973 | 31 | 28 | 11 | 0 | 0 | 30 | 0 | 31 | 30 | 31 | 30 | 31 | 31 | 253 |
| 1974 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 30 | 0 | 334 |
| 1975 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 31 |
| 1976 | 0 | 0 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 0 | 0 | 0 | 62 |
| 1977 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1978 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 |
| 1979 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1980 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1981 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1982 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 3 |
| 1983 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 1984 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 6 |
| 1985 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 4 |
| 1986 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 3 |
| 1987 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 |
| 1988 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 3 | 0 | 7 |
| 1989 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1990 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 0 | 1 | 0 | 0 | 6 |
| 1991 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 1992 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 4 |
| 1993 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1994 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 4 |
| 1995 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1996 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 1997 | 1 | 0 | 3 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | 2 | 4 | 0 | 15 |
| 1998 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| 2001 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 2002 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2003 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 2004 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 3 |
| 2005 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 5 |
| 2006 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 2007 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2008 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Grand Total | 1216 | 1064 | 1165 | 1084 | 1121 | 1111 | 1149 | 1161 | 1118 | 1179 | 1122 | 1133 | | 13623 |

Appendix A
 NOAA/NWS Weather Stations near Zuni Pueblo, NM
 Monthly Total of Missing Days

| Year | Daily Precipitation Zuni (299897) | | | | | | | | | | | | Grand Total | |
|-------------|--------------------------------------|------|------|------|------|------|------|------|------|------|------|------|-------------|-------|
| | Sum of month | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | | 12 |
| 1914 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1915 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1916 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 366 |
| 1917 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1918 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1919 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1920 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 366 |
| 1921 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1922 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1923 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1924 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 366 |
| 1925 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1926 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1927 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1928 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 366 |
| 1929 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1930 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1931 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1932 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 366 |
| 1933 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1934 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1935 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1936 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 366 |
| 1937 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1938 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1939 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1940 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 366 |
| 1941 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1942 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1943 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1944 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 366 |
| 1945 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1946 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1947 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 365 |
| 1948 | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 31 | 366 |
| 1949 | 31 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 47 |
| 1950 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1951 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 1952 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1953 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1954 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1955 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1956 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1957 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1958 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1959 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1960 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1961 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1962 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1963 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1964 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1965 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1966 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1967 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1968 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1969 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1970 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1971 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1972 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1973 | 31 | 28 | 11 | 0 | 0 | 30 | 0 | 31 | 30 | 31 | 30 | 31 | 31 | 253 |
| 1974 | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 0 | 334 |
| 1975 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 31 |
| 1976 | 0 | 0 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 0 | 0 | 0 | 62 |
| 1977 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1978 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 |
| 1979 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1980 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1981 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1982 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 3 |
| 1983 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 1984 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 6 |
| 1985 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 4 |
| 1986 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 3 |
| 1987 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 |
| 1988 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 3 | 0 | 7 |
| 1989 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1990 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 0 | 1 | 0 | 0 | 6 |
| 1991 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 1992 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 4 |
| 1993 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1994 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 4 |
| 1995 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1996 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 1997 | 1 | 0 | 3 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | 2 | 4 | 0 | 15 |
| 1998 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| 2001 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 2002 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2003 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 2004 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 3 |
| 2005 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 5 |
| 2006 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 2007 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2008 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Grand Total | 1216 | 1064 | 1165 | 1084 | 1121 | 1111 | 1149 | 1161 | 1118 | 1179 | 1122 | 1133 | | 13623 |

**Climate Data Assessment, Zuni Pueblo
Appendix B**

**MODIFIED B-C GROSS CONSUMPTIVE USE
Black Rock Weather Station**

| Alfalfa | | | | | | | | | | | | | |
|--|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| Crop Potential Evapotranspiration (inches) | | | | | | | | | | | | | |
| Year | January | February | March | April | May | June | July | August | September | October | November | December | Total |
| 14 | 0 | 0 | 0 | 0.61 | 4.09 | 6.01 | 6.36 | 6.01 | 4.11 | 2.09 | 0.52 | 0 | 29.8 |
| 15 | 0 | 0 | 0 | 0.72 | 3.32 | 5.27 | 6.56 | 5.91 | 3.68 | 0.99 | 0 | 0 | 26.45 |
| 16 | 0 | 0 | 0 | 1.1 | 3.56 | 5.69 | 6.88 | 5.85 | 3.94 | 1.51 | 0 | 0 | 28.53 |
| 17 | 0 | 0 | 0 | 0.32 | 3.47 | 6.03 | 7.52 | 6.03 | 4.2 | 1.48 | 0 | 0 | 29.05 |
| 18 | 0 | 0 | 0 | 0 | 3.11 | 6.54 | 6.76 | 5.57 | 3.97 | 1.87 | 0 | 0 | 27.81 |
| 19 | 0 | 0 | 0 | 0.11 | 3.65 | 5.88 | 6.74 | 5.77 | 3.67 | 0.15 | 0 | 0 | 25.96 |
| 20 | 0 | 0 | 0 | 0 | 2.49 | 5.48 | 7.06 | 5.18 | 3.95 | 0.86 | 0 | 0 | 25.03 |
| 21 | 0 | 0 | 0 | 0.08 | 3.75 | 5.9 | 6.97 | 5.99 | 4.28 | 2.25 | 0 | 0 | 29.21 |
| 22 | 0 | 0 | 0 | 0.19 | 3.94 | 6.67 | 7.45 | 6.41 | 4.28 | 1.24 | 0 | 0 | 30.17 |
| 23 | 0 | 0 | 0 | 0.57 | 4 | 5.5 | 7.33 | 5.69 | 3.58 | 1.24 | 0 | 0 | 27.91 |
| 24 | 0 | 0 | 0 | 0.39 | 4.02 | 6.43 | 7.18 | 6.32 | 4.19 | 0.28 | 0 | 0 | 28.82 |
| 25 | 0 | 0 | 0 | 1.73 | 4.4 | 5.75 | 7.33 | 5.73 | 3.88 | 1.85 | 0 | 0 | 30.65 |
| 26 | 0 | 0 | 0 | 0.78 | 3.85 | 6.2 | 6.79 | 6.36 | 4.28 | 2.05 | 0 | 0 | 30.32 |
| 27 | 0 | 0 | 0 | 0.88 | 3.95 | 5.71 | 7.54 | 6.01 | 4.03 | 2.24 | 0.15 | 0 | 30.51 |
| 28 | 0 | 0 | 0 | 0.64 | 4.32 | 5.86 | 7.45 | 6.16 | 3.85 | 1.32 | 0 | 0 | 29.58 |
| 29 | 0 | 0 | 0 | 0.4 | 4.04 | 6.09 | 7.14 | 6.05 | 4.15 | 1.91 | 0 | 0 | 29.79 |
| 30 | 0 | 0 | 0 | 1.94 | 3.43 | 6.47 | 7.23 | 6.32 | 3.97 | 1.03 | 0 | 0 | 30.39 |
| 31 | 0 | 0 | 0 | 1.48 | 4.09 | 6.27 | 7.69 | 6.28 | 4.38 | 2.19 | 0 | 0 | 32.37 |
| 32 | 0 | 0 | 0 | 1.11 | 3.97 | 5.69 | 7.11 | 6.3 | 4 | 1.46 | 0 | 0 | 29.64 |
| 33 | 0 | 0 | 0 | 0 | 2.7 | 6.27 | 7.57 | 5.99 | 4.28 | 2.16 | 0.08 | 0 | 29.05 |
| 34 | 0 | 0 | 0 | 1.54 | 4.75 | 5.39 | 6.97 | 5.83 | 3.54 | 2.05 | 0 | 0 | 30.06 |
| 35 | 0 | 0 | 0 | 0.22 | 3.23 | 6.01 | 7.25 | 6.3 | 3.91 | 1.57 | 0 | 0 | 28.49 |
| 36 | 0 | 0 | 0 | 1.58 | 4.38 | 6.38 | 7.18 | 6.11 | 3.7 | 2.07 | 0.09 | 0 | 31.49 |
| 37 | 0 | 0 | 0 | 0.43 | 3.99 | 5.5 | 6.76 | 6.39 | 4.34 | 1.63 | 0 | 0 | 29.04 |
| 38 | 0 | 0 | 0 | 0.46 | 3.52 | 5.96 | 6.85 | 5.97 | 3.95 | 0.89 | 0 | 0 | 27.61 |
| 39 | 0 | 0 | 0 | 1.66 | 4.31 | 5.86 | 6.92 | 6.09 | 4.2 | 0.42 | 0 | 0 | 29.46 |
| 40 | 0 | 0 | 0 | 0.59 | 4 | 5.94 | 6.97 | 5.47 | 3.65 | 1.98 | 0 | 0 | 28.61 |
| 41 | 0 | 0 | 0 | 0 | 3.11 | 4.72 | 6.05 | 5.22 | 3.35 | 1.45 | 0 | 0 | 23.89 |
| 42 | 0 | 0 | 0 | 0.71 | 3.56 | 5.54 | 6.95 | 5.39 | 3.77 | 1.08 | 0 | 0 | 27 |
| 43 | 0 | 0 | 0 | 2.02 | 4.16 | 5.66 | 7.06 | 6.34 | 4 | 1.07 | 0 | 0 | 30.33 |
| 44 | 0 | 0 | 0 | 0 | 3.71 | 5.6 | 6.69 | 6.05 | 3.83 | 2.42 | 0.35 | 0 | 28.67 |
| 45 | 0 | 0 | 0 | 0.16 | 3.78 | 5.01 | 7.04 | 6.39 | 3.88 | 0 | 0 | 0 | 26.26 |
| 46 | 0 | 0 | 0 | 2.61 | 3.78 | 6.34 | 6.85 | 5.61 | 4.12 | 0.59 | 0 | 0 | 29.9 |
| 47 | 0 | 0 | 0 | 0.51 | 4.23 | 5.41 | 7.25 | 5.41 | 4.19 | 1.73 | 0 | 0 | 28.74 |
| 48 | 0 | 0 | 0 | 0.86 | 3.97 | 6.05 | 7.28 | 6.3 | 4.25 | 0.65 | 0 | 0 | 29.36 |
| AV | 0 | 0 | 0 | 0.75 | 3.79 | 5.86 | 7.05 | 5.96 | 3.98 | 1.42 | 0.03 | 0 | 28.86 |

EFFECTIVE PRECIPITATION, Inches

Black Rock Weather Station

| YR | Alfalfa | | | | | | | | | | | | | ANNUAL |
|----|---------|-----|-----|--------|--------|--------|--------|--------|-----------|-----------|-----------|-----|--------|--------|
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | | |
| 14 | 0 | 0 | 0 | 0.09 | 0.74 | 0.49 | 3.84 | 2.82 | 0.52 | 1.11 | 0 | 0 | 9.61 | |
| 15 | 0 | 0 | 0 | 0.36 | 1.5 | 1.03 | 2.84 | 1.94 | 1.01 | 0 | 0 | 0 | 8.68 | |
| 16 | 0 | 0 | 0 | 0.01 | 0.26 | 0 | 2.69 | 1.66 | 1.23 | 1.51 | 0 | 0 | 7.36 | |
| 17 | 0 | 0 | 0 | 0 | 0.86 | 0 | 1.42 | 0.1 | 0.6 | 0 | 0 | 0 | 2.98 | |
| 18 | 0 | 0 | 0 | 0 | 0 | 0.41 | 1.81 | 1.56 | 0 | 0.61 | 0 | 0 | 4.39 | |
| 19 | 0 | 0 | 0 | 0 | 0.59 | 0 | 3.98 | 0.74 | 2.36 | 0 | 0 | 0 | 7.67 | |
| 20 | 0 | 0 | 0 | 0 | 0.15 | 0.39 | 1.69 | 0.55 | 0.59 | 0.11 | 0 | 0 | 3.48 | |
| 21 | 0 | 0 | 0 | 0 | 0.09 | 0.83 | 4.29 | 2.02 | 0.19 | 0.27 | 0 | 0 | 7.69 | |
| 22 | 0 | 0 | 0 | 0 | 0.28 | 0 | 0.91 | 2.07 | 0.19 | 0 | 0 | 0 | 3.45 | |
| 23 | 0 | 0 | 0 | 0.03 | 0.35 | 0 | 1.49 | 2.39 | 2.23 | 0.19 | 0 | 0 | 6.68 | |
| 24 | 0 | 0 | 0 | 0 | 0 | 0 | 1.14 | 0.67 | 0.45 | 0 | 0 | 0 | 2.26 | |
| 25 | 0 | 0 | 0 | 0.17 | 0 | 0.66 | 2.25 | 1.5 | 1.42 | 0.63 | 0 | 0 | 6.63 | |
| 26 | 0 | 0 | 0 | 0.21 | 1.29 | 0.1 | 1.67 | 0.4 | 1.38 | 0.17 | 0 | 0 | 5.22 | |
| 27 | 0 | 0 | 0 | 0.04 | 0.09 | 1.06 | 1.89 | 1.22 | 2.41 | 0.09 | 0 | 0 | 6.8 | |
| 28 | 0 | 0 | 0 | 0.01 | 1.18 | 0 | 1.73 | 1.24 | 0.36 | 0.43 | 0 | 0 | 4.95 | |
| 29 | 0 | 0 | 0 | 0 | 0.09 | 0 | 4.65 | 2.02 | 2.06 | 0.67 | 0 | 0 | 9.49 | |
| 30 | 0 | 0 | 0 | 0.55 | 0.57 | 0.5 | 1.47 | 1.4 | 0 | 0 | 0 | 0 | 4.49 | |
| 31 | 0 | 0 | 0 | 0.37 | 0 | 0.67 | 2.74 | 1.47 | 1.59 | 0.76 | 0 | 0 | 7.6 | |
| 32 | 0 | 0 | 0 | 0.29 | 0 | 0 | 2.86 | 1.62 | 0.18 | 0.25 | 0 | 0 | 5.2 | |
| 33 | 0 | 0 | 0 | 0 | 0.11 | 0.67 | 2.43 | 0.75 | 1.25 | 1.4 | 0 | 0 | 6.61 | |
| 34 | 0 | 0 | 0 | 0.38 | 1.28 | 0.2 | 1.05 | 2.73 | 0.73 | 0.04 | 0 | 0 | 6.41 | |
| 35 | 0 | 0 | 0 | 0 | 0.92 | 0 | 1.06 | 1.69 | 0.44 | 0 | 0 | 0 | 4.11 | |
| 36 | 0 | 0 | 0 | 0 | 0.53 | 0.41 | 0.97 | 3.09 | 0.8 | 0.8 | 0 | 0 | 6.6 | |
| 37 | 0 | 0 | 0 | 0 | 0.6 | 0.73 | 2.53 | 0.5 | 0.9 | 0.39 | 0 | 0 | 5.65 | |
| 38 | 0 | 0 | 0 | 0.02 | 0.27 | 1.14 | 0.31 | 0.66 | 0.95 | 0 | 0 | 0 | 3.35 | |
| 39 | 0 | 0 | 0 | 0.33 | 0 | 0 | 0.69 | 0.58 | 1.04 | 0 | 0 | 0 | 2.64 | |
| 40 | 0 | 0 | 0 | 0.05 | 0.35 | 0.57 | 0.88 | 1.62 | 1.95 | 0.92 | 0 | 0 | 6.34 | |
| 41 | 0 | 0 | 0 | 0 | 0.72 | 0.29 | 0.92 | 0.95 | 2.15 | 1.07 | 0 | 0 | 6.1 | |
| 42 | 0 | 0 | 0 | 0.07 | 0 | 0 | 0.88 | 1.26 | 0.94 | 0.39 | 0 | 0 | 3.54 | |
| 43 | 0 | 0 | 0 | 0.21 | 0.36 | 0.97 | 0.88 | 1.32 | 0.36 | 0.33 | 0 | 0 | 4.43 | |
| 44 | 0 | 0 | 0 | 0 | 0.35 | 0 | 1.35 | 1.53 | 1.08 | 0.54 | 0.15 | 0 | 5 | |
| 45 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.85 | 0 | 0 | 0 | 0 | 3.15 | |
| 46 | 0 | 0 | 0 | 0.06 | 0 | 0 | 0.95 | 3.44 | 1.3 | 0.01 | 0 | 0 | 5.76 | |
| 47 | 0 | 0 | 0 | 0 | 1.04 | 0.38 | 1.23 | 1.75 | 0.28 | 0.56 | 0 | 0 | 5.24 | |
| 48 | 0 | 0 | 0 | 0 | 0.18 | 0.49 | 1.15 | 0.59 | 1.11 | 0.2 | 0 | 0 | 3.72 | |
| AV | 0 | 0 | 0 | 0.0929 | 0.4214 | 0.3426 | 1.8269 | 1.4771 | 0.9728571 | 0.3842857 | 0.0042857 | 0 | 5.5223 | |

**MODIFIED B-C CONSUMPTIVE USE OF IRRIGATION WATER
Black Rock Weather Station**

| Alfalfa | | | | | | | | | | | | | |
|--------------------------------------|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|--------|
| Crop Irrigation Requirement (inches) | | | | | | | | | | | | | |
| Year | January | February | March | April | May | June | July | August | September | October | November | December | Total |
| 14 | 0 | 0 | 0 | 0.52 | 3.35 | 5.52 | 2.52 | 3.19 | 3.59 | 0.98 | 0.52 | 0 | 20.18 |
| 15 | 0 | 0 | 0 | 0.36 | 1.82 | 4.24 | 3.72 | 3.97 | 2.67 | 0.99 | 0 | 0 | 17.77 |
| 16 | 0 | 0 | 0 | 1.09 | 3.3 | 5.69 | 4.19 | 4.19 | 2.71 | 0 | 0 | 0 | 21.17 |
| 17 | 0 | 0 | 0 | 0.32 | 2.61 | 6.03 | 6.1 | 5.93 | 3.6 | 1.48 | 0 | 0 | 26.07 |
| 18 | 0 | 0 | 0 | 0 | 3.11 | 6.13 | 4.95 | 4.01 | 3.97 | 1.26 | 0 | 0 | 23.42 |
| 19 | 0 | 0 | 0 | 0.11 | 3.06 | 5.88 | 2.76 | 5.03 | 1.31 | 0.15 | 0 | 0 | 18.29 |
| 20 | 0 | 0 | 0 | 0 | 2.34 | 5.09 | 5.37 | 4.63 | 3.36 | 0.75 | 0 | 0 | 21.54 |
| 21 | 0 | 0 | 0 | 0.08 | 3.66 | 5.07 | 2.68 | 3.97 | 4.09 | 1.98 | 0 | 0 | 21.54 |
| 22 | 0 | 0 | 0 | 0.19 | 3.66 | 6.67 | 6.54 | 4.34 | 4.09 | 1.24 | 0 | 0 | 26.75 |
| 23 | 0 | 0 | 0 | 0.54 | 3.65 | 5.5 | 5.84 | 3.3 | 1.35 | 1.05 | 0 | 0 | 21.22 |
| 24 | 0 | 0 | 0 | 0.39 | 4.02 | 6.43 | 6.04 | 5.65 | 3.74 | 0.28 | 0 | 0 | 26.56 |
| 25 | 0 | 0 | 0 | 1.56 | 4.4 | 5.09 | 5.08 | 4.23 | 2.46 | 1.22 | 0 | 0 | 24.03 |
| 26 | 0 | 0 | 0 | 0.57 | 2.56 | 6.1 | 5.12 | 5.96 | 2.9 | 1.88 | 0 | 0 | 25.09 |
| 27 | 0 | 0 | 0 | 0.84 | 3.86 | 4.65 | 5.65 | 4.79 | 1.62 | 2.15 | 0.15 | 0 | 23.71 |
| 28 | 0 | 0 | 0 | 0.63 | 3.14 | 5.86 | 5.72 | 4.92 | 3.49 | 0.89 | 0 | 0 | 24.65 |
| 29 | 0 | 0 | 0 | 0.4 | 3.95 | 6.09 | 2.49 | 4.03 | 2.09 | 1.24 | 0 | 0 | 20.29 |
| 30 | 0 | 0 | 0 | 1.39 | 2.86 | 5.97 | 5.76 | 4.92 | 3.97 | 1.03 | 0 | 0 | 25.89 |
| 31 | 0 | 0 | 0 | 1.11 | 4.09 | 5.6 | 4.95 | 4.81 | 2.79 | 1.43 | 0 | 0 | 24.77 |
| 32 | 0 | 0 | 0 | 0.82 | 3.97 | 5.69 | 4.25 | 4.68 | 3.82 | 1.21 | 0 | 0 | 24.42 |
| 33 | 0 | 0 | 0 | 0 | 2.59 | 5.6 | 5.14 | 5.24 | 3.03 | 0.76 | 0.08 | 0 | 22.44 |
| 34 | 0 | 0 | 0 | 1.16 | 3.47 | 5.19 | 5.92 | 3.1 | 2.81 | 2.01 | 0 | 0 | 23.67 |
| 35 | 0 | 0 | 0 | 0.22 | 2.31 | 6.01 | 6.19 | 4.61 | 3.47 | 1.57 | 0 | 0 | 24.38 |
| 36 | 0 | 0 | 0 | 1.58 | 3.85 | 5.97 | 6.21 | 3.02 | 2.9 | 1.27 | 0.09 | 0 | 24.88 |
| 37 | 0 | 0 | 0 | 0.43 | 3.39 | 4.77 | 4.23 | 5.89 | 3.44 | 1.24 | 0 | 0 | 23.39 |
| 38 | 0 | 0 | 0 | 0.44 | 3.25 | 4.82 | 6.54 | 5.31 | 3 | 0.89 | 0 | 0 | 24.23 |
| 39 | 0 | 0 | 0 | 1.33 | 4.31 | 5.86 | 6.23 | 5.51 | 3.16 | 0.42 | 0 | 0 | 26.81 |
| 40 | 0 | 0 | 0 | 0.54 | 3.65 | 5.37 | 6.09 | 3.85 | 1.7 | 1.06 | 0 | 0 | 22.26 |
| 41 | 0 | 0 | 0 | 0 | 2.39 | 4.43 | 5.13 | 4.27 | 1.2 | 0.38 | 0 | 0 | 17.81 |
| 42 | 0 | 0 | 0 | 0.64 | 3.56 | 5.54 | 6.07 | 4.13 | 2.83 | 0.69 | 0 | 0 | 23.47 |
| 43 | 0 | 0 | 0 | 1.81 | 3.8 | 4.69 | 6.18 | 5.02 | 3.64 | 0.74 | 0 | 0 | 25.89 |
| 44 | 0 | 0 | 0 | 0 | 3.36 | 5.6 | 5.34 | 4.52 | 2.75 | 1.88 | 0.2 | 0 | 23.66 |
| 45 | 0 | 0 | 0 | 0.16 | 3.78 | 5.01 | 5.74 | 4.54 | 3.88 | 0 | 0 | 0 | 23.11 |
| 46 | 0 | 0 | 0 | 2.55 | 3.78 | 6.34 | 5.9 | 2.17 | 2.82 | 0.58 | 0 | 0 | 24.14 |
| 47 | 0 | 0 | 0 | 0.51 | 3.19 | 5.03 | 6.02 | 3.66 | 3.91 | 1.17 | 0 | 0 | 23.5 |
| 48 | 0 | 0 | 0 | 0.86 | 3.79 | 5.56 | 6.13 | 5.71 | 3.14 | 0.45 | 0 | 0 | 25.64 |
| AV | 0 | 0 | 0 | 0.66 | 3.37 | 5.52 | 5.22 | 4.49 | 3.01 | 1.04 | 0.03 | 0 | 23.33 |
| | | | | | | | | | | | | | 23.338 |

**MODIFIED B-C GROSS CONSUMPTIVE USE
Black Rock Weather Station**

| Year | Crop Potential Evapotranspiration (inches) | | | | | | | | | | | | |
|------|--|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
| 14 | 0 | 0 | 0 | 0 | 1.42 | 3.58 | 5.91 | 5.99 | 3.29 | 0 | 0 | 0 | 20.18 |
| 15 | 0 | 0 | 0 | 0 | 0.46 | 2.66 | 5.64 | 5.94 | 3.08 | 0 | 0 | 0 | 17.79 |
| 16 | 0 | 0 | 0 | 0 | 0.77 | 2.97 | 5.87 | 5.91 | 3.8 | 0.36 | 0 | 0 | 19.68 |
| 17 | 0 | 0 | 0 | 0 | 0.71 | 3.13 | 6.53 | 6.07 | 3.62 | 0 | 0 | 0 | 20.06 |
| 18 | 0 | 0 | 0 | 0 | 0.64 | 3.38 | 5.9 | 5.59 | 3.17 | 0 | 0 | 0 | 18.68 |
| 19 | 0 | 0 | 0 | 0 | 0.87 | 3.13 | 5.86 | 5.81 | 3.49 | 0.07 | 0 | 0 | 19.23 |
| 20 | 0 | 0 | 0 | 0 | 0.47 | 2.69 | 5.66 | 5.27 | 3.91 | 0.7 | 0 | 0 | 18.7 |
| 21 | 0 | 0 | 0 | 0 | 0.99 | 3.22 | 6.13 | 6.03 | 4.06 | 0.11 | 0 | 0 | 20.54 |
| 22 | 0 | 0 | 0 | 0 | 1.23 | 3.81 | 6.73 | 6.42 | 3.82 | 0 | 0 | 0 | 22.02 |
| 23 | 0 | 0 | 0 | 0 | 1.3 | 3.23 | 6.75 | 5.69 | 3.01 | 0 | 0 | 0 | 19.97 |
| 24 | 0 | 0 | 0 | 0 | 1.32 | 3.72 | 6.55 | 6.33 | 3.55 | 0 | 0 | 0 | 21.48 |
| 25 | 0 | 0 | 0 | 0 | 2.02 | 3.92 | 7.01 | 5.52 | 2.18 | 0 | 0 | 0 | 20.65 |
| 26 | 0 | 0 | 0 | 0 | 1.18 | 3.54 | 6.13 | 6.38 | 3.84 | 0 | 0 | 0 | 21.08 |
| 27 | 0 | 0 | 0 | 0 | 1.3 | 3.35 | 6.94 | 6.01 | 3.37 | 0 | 0 | 0 | 20.98 |
| 28 | 0 | 0 | 0 | 0 | 1.62 | 3.58 | 7.04 | 6.08 | 2.85 | 0 | 0 | 0 | 21.18 |
| 29 | 0 | 0 | 0 | 0 | 1.33 | 3.58 | 6.57 | 6.05 | 3.48 | 0 | 0 | 0 | 21.02 |
| 30 | 0 | 0 | 0 | 0 | 0.73 | 3.35 | 6.17 | 6.39 | 3.81 | 0.25 | 0 | 0 | 20.7 |
| 31 | 0 | 0 | 0 | 0 | 1.6 | 3.89 | 7.29 | 6.18 | 3.1 | 0 | 0 | 0 | 22.05 |
| 32 | 0 | 0 | 0 | 0 | 1.36 | 3.39 | 6.61 | 6.28 | 3.25 | 0 | 0 | 0 | 20.88 |
| 33 | 0 | 0 | 0 | 0 | 0.56 | 3.11 | 6.17 | 6.09 | 4.22 | 0.68 | 0 | 0 | 20.82 |
| 34 | 0 | 0 | 0 | 0.08 | 2.24 | 3.82 | 6.7 | 5.57 | 1.83 | 0 | 0 | 0 | 20.23 |
| 35 | 0 | 0 | 0 | 0 | 0.52 | 2.95 | 5.82 | 6.41 | 3.87 | 0.7 | 0 | 0 | 20.27 |
| 36 | 0 | 0 | 0 | 0 | 1.97 | 4.26 | 6.86 | 5.92 | 2.22 | 0 | 0 | 0 | 21.23 |
| 37 | 0 | 0 | 0 | 0 | 1.26 | 3.18 | 6.17 | 6.39 | 3.72 | 0 | 0 | 0 | 20.73 |
| 38 | 0 | 0 | 0 | 0 | 0.75 | 3.06 | 5.8 | 6.04 | 3.83 | 0.42 | 0 | 0 | 19.9 |
| 39 | 0 | 0 | 0 | 0 | 1.92 | 3.91 | 6.62 | 5.9 | 2.46 | 0 | 0 | 0 | 20.81 |
| 40 | 0 | 0 | 0 | 0 | 1.32 | 3.49 | 6.42 | 5.47 | 3.06 | 0 | 0 | 0 | 19.76 |
| 41 | 0 | 0 | 0 | 0 | 0.61 | 2.45 | 5.32 | 5.23 | 2.51 | 0 | 0 | 0 | 16.11 |
| 42 | 0 | 0 | 0 | 0 | 0.75 | 2.85 | 5.89 | 5.45 | 3.65 | 0.3 | 0 | 0 | 18.89 |
| 43 | 0 | 0 | 0 | 0 | 1.88 | 3.78 | 6.75 | 6.14 | 2.34 | 0 | 0 | 0 | 20.9 |
| 44 | 0 | 0 | 0 | 0 | 0.92 | 3.02 | 5.85 | 6.1 | 3.64 | 0.09 | 0 | 0 | 19.62 |
| 45 | 0 | 0 | 0 | 0 | 0.99 | 2.83 | 6.4 | 6.39 | 3.12 | 0 | 0 | 0 | 19.73 |
| 46 | 0 | 0 | 0 | 0 | 1.5 | 3.93 | 6.5 | 5.52 | 2.88 | 0 | 0 | 0 | 20.32 |
| 47 | 0 | 0 | 0 | 0 | 1.5 | 3.27 | 6.8 | 5.37 | 3.18 | 0 | 0 | 0 | 20.11 |
| 48 | 0 | 0 | 0 | 0 | 1.33 | 3.55 | 6.7 | 6.3 | 3.52 | 0 | 0 | 0 | 21.41 |
| AV | 0 | 0 | 0 | 0 | 1.18 | 3.36 | 6.34 | 5.95 | 3.28 | 0.11 | 0 | 0 | 20.22 |

EFFECTIVE PRECIPITATION, Inches

Black Rock Weather Station

| Corn Grain | | | | | | | | | | | | | |
|------------|-----|-----|-----|-----|---------|---------|---------|---------|---------|---------|-----|-----|---------|
| YR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
| 14 | 0 | 0 | 0 | 0 | 0.47 | 0.43 | 3.75 | 2.82 | 0.41 | 0 | 0 | 0 | 7.88 |
| 15 | 0 | 0 | 0 | 0 | 0.36 | 0.89 | 2.7 | 1.94 | 0.85 | 0 | 0 | 0 | 6.74 |
| 16 | 0 | 0 | 0 | 0 | 0.06 | 0 | 2.54 | 1.66 | 1.22 | 0.33 | 0 | 0 | 5.81 |
| 17 | 0 | 0 | 0 | 0 | 0.28 | 0 | 1.34 | 0.11 | 0.52 | 0 | 0 | 0 | 2.25 |
| 18 | 0 | 0 | 0 | 0 | 0 | 0.35 | 1.73 | 1.56 | 0 | 0 | 0 | 0 | 3.64 |
| 19 | 0 | 0 | 0 | 0 | 0.22 | 0 | 3.79 | 0.74 | 2.34 | 0 | 0 | 0 | 7.09 |
| 20 | 0 | 0 | 0 | 0 | 0 | 0.34 | 1.56 | 0.56 | 0.59 | 0.09 | 0 | 0 | 3.14 |
| 21 | 0 | 0 | 0 | 0 | 0 | 0.71 | 4.09 | 2.02 | 0.18 | 0 | 0 | 0 | 7 |
| 22 | 0 | 0 | 0 | 0 | 0.13 | 0 | 0.86 | 2.06 | 0.16 | 0 | 0 | 0 | 3.21 |
| 23 | 0 | 0 | 0 | 0 | 0.2 | 0 | 1.44 | 2.39 | 1.93 | 0 | 0 | 0 | 5.96 |
| 24 | 0 | 0 | 0 | 0 | 0 | 0 | 1.1 | 0.68 | 0.37 | 0 | 0 | 0 | 2.15 |
| 25 | 0 | 0 | 0 | 0 | 0 | 0.59 | 2.21 | 1.48 | 0.77 | 0 | 0 | 0 | 5.05 |
| 26 | 0 | 0 | 0 | 0 | 0.72 | 0.09 | 1.6 | 0.41 | 1.28 | 0 | 0 | 0 | 4.1 |
| 27 | 0 | 0 | 0 | 0 | 0.03 | 0.92 | 1.83 | 1.22 | 2.07 | 0 | 0 | 0 | 6.07 |
| 28 | 0 | 0 | 0 | 0 | 0.83 | 0 | 1.69 | 1.23 | 0.24 | 0 | 0 | 0 | 3.99 |
| 29 | 0 | 0 | 0 | 0 | 0.02 | 0 | 4.5 | 2.02 | 1.78 | 0 | 0 | 0 | 8.32 |
| 30 | 0 | 0 | 0 | 0 | 0.17 | 0.42 | 1.38 | 1.41 | 0 | 0 | 0 | 0 | 3.38 |
| 31 | 0 | 0 | 0 | 0 | 0 | 0.59 | 2.68 | 1.46 | 1.12 | 0 | 0 | 0 | 5.85 |
| 32 | 0 | 0 | 0 | 0 | 0 | 0 | 2.78 | 1.62 | 0.13 | 0 | 0 | 0 | 4.53 |
| 33 | 0 | 0 | 0 | 0 | 0 | 0.56 | 2.25 | 0.75 | 1.25 | 0.34 | 0 | 0 | 5.15 |
| 34 | 0 | 0 | 0 | 0 | 1.11 | 0.18 | 1.03 | 2.69 | 0.33 | 0 | 0 | 0 | 5.34 |
| 35 | 0 | 0 | 0 | 0 | 0.22 | 0 | 0.99 | 1.7 | 0.44 | 0 | 0 | 0 | 3.35 |
| 36 | 0 | 0 | 0 | 0 | 0.45 | 0.36 | 0.95 | 3.07 | 0.44 | 0 | 0 | 0 | 5.27 |
| 37 | 0 | 0 | 0 | 0 | 0.34 | 0.64 | 2.45 | 0.5 | 0.79 | 0 | 0 | 0 | 4.72 |
| 38 | 0 | 0 | 0 | 0 | 0.05 | 0.97 | 0.3 | 0.66 | 0.94 | 0 | 0 | 0 | 2.92 |
| 39 | 0 | 0 | 0 | 0 | 0 | 0 | 0.69 | 0.58 | 0.58 | 0 | 0 | 0 | 1.85 |
| 40 | 0 | 0 | 0 | 0 | 0.19 | 0.5 | 0.85 | 1.62 | 1.68 | 0 | 0 | 0 | 4.84 |
| 41 | 0 | 0 | 0 | 0 | 0.26 | 0.25 | 0.88 | 0.95 | 1.62 | 0 | 0 | 0 | 3.96 |
| 42 | 0 | 0 | 0 | 0 | 0 | 0 | 0.83 | 1.26 | 0.94 | 0.05 | 0 | 0 | 3.08 |
| 43 | 0 | 0 | 0 | 0 | 0.31 | 0.87 | 0.87 | 1.31 | 0.16 | 0 | 0 | 0 | 3.52 |
| 44 | 0 | 0 | 0 | 0 | 0.13 | 0 | 1.29 | 1.54 | 1.07 | 0 | 0 | 0 | 4.03 |
| 45 | 0 | 0 | 0 | 0 | 0 | 0 | 1.25 | 1.85 | 0 | 0 | 0 | 0 | 3.1 |
| 46 | 0 | 0 | 0 | 0 | 0 | 0 | 0.94 | 3.43 | 0.91 | 0 | 0 | 0 | 5.28 |
| 47 | 0 | 0 | 0 | 0 | 0.7 | 0.34 | 1.2 | 1.75 | 0.19 | 0 | 0 | 0 | 4.18 |
| 48 | 0 | 0 | 0 | 0 | 0.09 | 0.42 | 1.11 | 0.59 | 0.93 | 0 | 0 | 0 | 3.14 |
| AV | 0 | 0 | 0 | 0 | 0.20971 | 0.29771 | 1.75571 | 1.47543 | 0.80657 | 0.02314 | 0 | 0 | 4.56829 |

**MODIFIED B-C CONSUMPTIVE USE OF IRRIGATION WATER
Black Rock Weather Station**

| Year | Crop Irrigation Requirement (inches) | | | | | | | | | | | | | Total |
|------|--------------------------------------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|-------|
| | January | February | March | April | May | June | July | August | September | October | November | December | | |
| 14 | 0 | 0 | 0 | 0 | 0.95 | 3.15 | 2.16 | 3.17 | 2.88 | 0 | 0 | 0 | 12.31 | |
| 15 | 0 | 0 | 0 | 0 | 0.1 | 1.77 | 2.94 | 4 | 2.23 | 0 | 0 | 0 | 11.04 | |
| 16 | 0 | 0 | 0 | 0 | 0.71 | 2.97 | 3.33 | 4.25 | 2.58 | 0.03 | 0 | 0 | 13.88 | |
| 17 | 0 | 0 | 0 | 0 | 0.43 | 3.13 | 5.19 | 5.96 | 3.1 | 0 | 0 | 0 | 17.81 | |
| 18 | 0 | 0 | 0 | 0 | 0.64 | 3.03 | 4.17 | 4.03 | 3.17 | 0 | 0 | 0 | 15.05 | |
| 19 | 0 | 0 | 0 | 0 | 0.65 | 3.13 | 2.07 | 5.07 | 1.15 | 0.07 | 0 | 0 | 12.14 | |
| 20 | 0 | 0 | 0 | 0 | 0.47 | 2.35 | 4.1 | 4.71 | 3.32 | 0.61 | 0 | 0 | 15.57 | |
| 21 | 0 | 0 | 0 | 0 | 0.99 | 2.51 | 2.04 | 4.01 | 3.88 | 0.11 | 0 | 0 | 13.53 | |
| 22 | 0 | 0 | 0 | 0 | 1.1 | 3.81 | 5.87 | 4.36 | 3.66 | 0 | 0 | 0 | 18.8 | |
| 23 | 0 | 0 | 0 | 0 | 1.1 | 3.23 | 5.31 | 3.3 | 1.08 | 0 | 0 | 0 | 14.03 | |
| 24 | 0 | 0 | 0 | 0 | 1.32 | 3.72 | 5.45 | 5.65 | 3.18 | 0 | 0 | 0 | 19.33 | |
| 25 | 0 | 0 | 0 | 0 | 2.02 | 3.33 | 4.8 | 4.04 | 1.41 | 0 | 0 | 0 | 15.59 | |
| 26 | 0 | 0 | 0 | 0 | 0.46 | 3.45 | 4.53 | 5.97 | 2.56 | 0 | 0 | 0 | 16.97 | |
| 27 | 0 | 0 | 0 | 0 | 1.27 | 2.43 | 5.11 | 4.79 | 1.3 | 0 | 0 | 0 | 14.9 | |
| 28 | 0 | 0 | 0 | 0 | 0.79 | 3.58 | 5.35 | 4.85 | 2.61 | 0 | 0 | 0 | 17.18 | |
| 29 | 0 | 0 | 0 | 0 | 1.31 | 3.58 | 2.07 | 4.03 | 1.7 | 0 | 0 | 0 | 12.68 | |
| 30 | 0 | 0 | 0 | 0 | 0.56 | 2.93 | 4.79 | 4.98 | 3.81 | 0.25 | 0 | 0 | 17.32 | |
| 31 | 0 | 0 | 0 | 0 | 1.6 | 3.3 | 4.61 | 4.72 | 1.98 | 0 | 0 | 0 | 16.2 | |
| 32 | 0 | 0 | 0 | 0 | 1.36 | 3.39 | 3.83 | 4.66 | 3.12 | 0 | 0 | 0 | 16.34 | |
| 33 | 0 | 0 | 0 | 0 | 0.56 | 2.55 | 3.92 | 5.34 | 2.97 | 0.34 | 0 | 0 | 15.68 | |
| 34 | 0 | 0 | 0 | 0.08 | 1.13 | 3.64 | 5.67 | 2.88 | 1.5 | 0 | 0 | 0 | 14.89 | |
| 35 | 0 | 0 | 0 | 0 | 0.3 | 2.95 | 4.83 | 4.71 | 3.43 | 0.7 | 0 | 0 | 16.92 | |
| 36 | 0 | 0 | 0 | 0 | 1.52 | 3.9 | 5.91 | 2.85 | 1.78 | 0 | 0 | 0 | 15.96 | |
| 37 | 0 | 0 | 0 | 0 | 0.92 | 2.54 | 3.72 | 5.89 | 2.93 | 0 | 0 | 0 | 16.01 | |
| 38 | 0 | 0 | 0 | 0 | 0.7 | 2.09 | 5.5 | 5.38 | 2.89 | 0.42 | 0 | 0 | 16.96 | |
| 39 | 0 | 0 | 0 | 0 | 1.92 | 3.91 | 5.93 | 5.32 | 1.88 | 0 | 0 | 0 | 18.97 | |
| 40 | 0 | 0 | 0 | 0 | 1.13 | 2.99 | 5.57 | 3.85 | 1.38 | 0 | 0 | 0 | 14.91 | |
| 41 | 0 | 0 | 0 | 0 | 0.35 | 2.2 | 4.44 | 4.28 | 0.89 | 0 | 0 | 0 | 12.16 | |
| 42 | 0 | 0 | 0 | 0 | 0.75 | 2.85 | 5.06 | 4.19 | 2.71 | 0.25 | 0 | 0 | 15.82 | |
| 43 | 0 | 0 | 0 | 0 | 1.57 | 2.91 | 5.88 | 4.83 | 2.18 | 0 | 0 | 0 | 17.37 | |
| 44 | 0 | 0 | 0 | 0 | 0.79 | 3.02 | 4.56 | 4.56 | 2.57 | 0.09 | 0 | 0 | 15.6 | |
| 45 | 0 | 0 | 0 | 0 | 0.99 | 2.83 | 5.15 | 4.54 | 3.12 | 0 | 0 | 0 | 16.63 | |
| 46 | 0 | 0 | 0 | 0 | 1.5 | 3.93 | 5.56 | 2.09 | 1.97 | 0 | 0 | 0 | 15.05 | |
| 47 | 0 | 0 | 0 | 0 | 0.8 | 2.93 | 5.6 | 3.62 | 2.99 | 0 | 0 | 0 | 15.94 | |
| 48 | 0 | 0 | 0 | 0 | 1.24 | 3.13 | 5.59 | 5.71 | 2.59 | 0 | 0 | 0 | 18.26 | |
| AV | 0 | 0 | 0 | 0 | 0.97 | 3.06 | 4.59 | 4.47 | 2.47 | 0.08 | 0 | 0 | 15.65 | |

MODIFIED B-C GROSS CONSUMPTIVE USE
Black Rock Weather Station
Pasture Grass/Hay

| Year | Crop Potential Evapotranspiration (inches) | | | | | | | | | | | | Total |
|------|--|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| | January | February | March | April | May | June | July | August | September | October | November | December | |
| 14 | 0 | 0 | 0 | 1.56 | 3.41 | 4.89 | 5.27 | 5.16 | 3.61 | 1.81 | 0.39 | 0 | 26.11 |
| 15 | 0 | 0 | 0 | 1.78 | 2.77 | 4.29 | 5.43 | 5.07 | 3.24 | 1.88 | 0.07 | 0 | 24.53 |
| 16 | 0 | 0 | 0.66 | 2.02 | 2.97 | 4.63 | 5.7 | 5.02 | 3.46 | 1.7 | 0 | 0 | 26.17 |
| 17 | 0 | 0 | 0 | 1.64 | 2.89 | 4.91 | 6.23 | 5.18 | 3.69 | 1.93 | 0.22 | 0 | 26.69 |
| 18 | 0 | 0 | 0 | 1.4 | 2.74 | 5.32 | 5.61 | 4.78 | 3.49 | 1.71 | 0 | 0 | 25.04 |
| 19 | 0 | 0 | 0 | 1.13 | 3.04 | 4.79 | 5.59 | 4.95 | 3.22 | 0.81 | 0 | 0 | 23.53 |
| 20 | 0 | 0 | 0 | 0.1 | 2.73 | 4.46 | 5.86 | 4.44 | 3.47 | 1.55 | 0 | 0 | 22.61 |
| 21 | 0 | 0 | 0.37 | 1.6 | 3.12 | 4.8 | 5.78 | 5.14 | 3.76 | 2.24 | 0.38 | 0 | 27.2 |
| 22 | 0 | 0 | 0 | 1.02 | 3.28 | 5.43 | 6.17 | 5.5 | 3.76 | 1.52 | 0 | 0 | 26.69 |
| 23 | 0 | 0 | 0 | 1.43 | 3.34 | 4.48 | 6.07 | 4.88 | 3.15 | 1.52 | 0 | 0 | 24.86 |
| 24 | 0 | 0 | 0 | 1.21 | 3.35 | 5.23 | 5.95 | 5.43 | 3.68 | 1.84 | 0.22 | 0 | 26.92 |
| 25 | 0 | 0 | 0.46 | 2.15 | 3.66 | 4.68 | 6.07 | 4.92 | 3.41 | 1.86 | 0 | 0 | 27.21 |
| 26 | 0 | 0 | 0.01 | 1.9 | 3.21 | 5.05 | 5.62 | 5.46 | 3.76 | 2.17 | 0.31 | 0 | 27.5 |
| 27 | 0 | 0 | 0 | 1.84 | 3.29 | 4.65 | 6.25 | 5.16 | 3.54 | 1.94 | 0.47 | 0 | 27.14 |
| 28 | 0 | 0 | 0.16 | 1.74 | 3.6 | 4.77 | 6.17 | 5.28 | 3.38 | 2.09 | 0.22 | 0 | 27.42 |
| 29 | 0 | 0 | 0 | 1.31 | 3.37 | 4.96 | 5.91 | 5.2 | 3.65 | 1.97 | 0 | 0 | 26.37 |
| 30 | 0 | 0 | 0.15 | 2.32 | 2.86 | 5.27 | 5.99 | 5.43 | 3.49 | 1.85 | 0 | 0 | 27.35 |
| 31 | 0 | 0 | 0.11 | 2.1 | 3.41 | 5.1 | 6.37 | 5.39 | 3.85 | 2.11 | 0.25 | 0 | 28.69 |
| 32 | 0 | 0 | 0 | 1.99 | 3.31 | 4.63 | 5.89 | 5.41 | 3.51 | 1.82 | 0.17 | 0 | 26.74 |
| 33 | 0 | 0 | 0 | 0.58 | 2.69 | 5.1 | 6.27 | 5.14 | 3.76 | 1.84 | 0 | 0 | 25.39 |
| 34 | 0 | 0 | 0.54 | 2.09 | 3.96 | 4.39 | 5.78 | 5 | 3.11 | 2.22 | 0.16 | 0 | 27.24 |
| 35 | 0 | 0 | 0 | 1.83 | 2.69 | 4.89 | 6.01 | 5.41 | 3.43 | 1.9 | 0.03 | 0 | 26.2 |
| 36 | 0 | 0 | 0.19 | 2.12 | 3.65 | 5.2 | 5.95 | 5.25 | 3.25 | 1.79 | 0.06 | 0 | 27.46 |
| 37 | 0 | 0 | 0 | 1.34 | 3.32 | 4.48 | 5.61 | 5.48 | 3.82 | 2.05 | 0.2 | 0 | 26.29 |
| 38 | 0 | 0 | 0 | 1.76 | 2.93 | 4.86 | 5.68 | 5.12 | 3.47 | 1.8 | 0 | 0 | 25.63 |
| 39 | 0 | 0 | 0.08 | 2.16 | 3.59 | 4.77 | 5.74 | 5.23 | 3.69 | 1.38 | 0 | 0 | 26.63 |
| 40 | 0 | 0 | 0 | 1.76 | 3.34 | 4.84 | 5.78 | 4.69 | 3.21 | 1.68 | 0 | 0 | 25.3 |
| 41 | 0 | 0 | 0 | 0.46 | 2.97 | 3.84 | 5.01 | 4.48 | 2.95 | 1.1 | 0 | 0 | 20.81 |
| 42 | 0 | 0 | 0 | 1.66 | 2.97 | 4.51 | 5.76 | 4.63 | 3.32 | 1.53 | 0 | 0 | 24.37 |
| 43 | 0 | 0 | 0.34 | 2.28 | 3.47 | 4.61 | 5.86 | 5.45 | 3.51 | 1.82 | 0.12 | 0 | 27.46 |
| 44 | 0 | 0 | 0 | 0.92 | 3.08 | 4.56 | 5.55 | 5.2 | 3.37 | 2.1 | 0.09 | 0 | 24.87 |
| 45 | 0 | 0 | 0 | 1.12 | 3.15 | 4.08 | 5.84 | 5.48 | 3.41 | 1.98 | 0.07 | 0 | 25.13 |
| 46 | 0 | 0 | 0.52 | 2.51 | 3.15 | 5.16 | 5.68 | 4.81 | 3.62 | 1.47 | 0 | 0 | 26.93 |
| 47 | 0 | 0 | 0 | 1.41 | 3.53 | 4.41 | 6.01 | 4.64 | 3.68 | 1.73 | 0 | 0 | 25.41 |
| 48 | 0 | 0 | 0 | 1.48 | 3.31 | 4.93 | 6.03 | 5.41 | 3.73 | 1.76 | 0 | 0 | 26.66 |
| AV | 0 | 0 | 0.1 | 1.59 | 3.2 | 4.77 | 5.84 | 5.12 | 3.5 | 1.79 | 0.1 | 0 | 26.02 |

EFFECTIVE PRECIPITATION, Inches

Black Rock Weather Station

| Pasture Grass/Hay | | | | | | | | | | | | | |
|-------------------|-----|-----|---------|---------|-------|---------|---------|---------|---------|---------|---------|-----|--------|
| YR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
| 14 | 0 | 0 | 0 | 0.53 | 0.72 | 0.46 | 3.61 | 2.69 | 0.51 | 1.09 | 0 | 0 | 9.61 |
| 15 | 0 | 0 | 0 | 1.22 | 1.45 | 0.97 | 2.66 | 1.85 | 0.99 | 0 | 0 | 0 | 9.14 |
| 16 | 0 | 0 | 0.45 | 0.16 | 0.26 | 0 | 2.52 | 1.58 | 1.19 | 1.7 | 0 | 0 | 7.86 |
| 17 | 0 | 0 | 0 | 0.38 | 0.83 | 0 | 1.32 | 0.1 | 0.58 | 0 | 0 | 0 | 3.21 |
| 18 | 0 | 0 | 0 | 0.11 | 0 | 0.38 | 1.71 | 1.49 | 0 | 0.65 | 0 | 0 | 4.34 |
| 19 | 0 | 0 | 0 | 0.25 | 0.56 | 0 | 3.74 | 0.71 | 2.3 | 0.07 | 0 | 0 | 7.63 |
| 20 | 0 | 0 | 0 | 0 | 0.26 | 0.37 | 1.59 | 0.53 | 0.57 | 0.42 | 0 | 0 | 3.74 |
| 21 | 0 | 0 | 0 | 0.24 | 0.08 | 0.77 | 4.02 | 1.92 | 0.18 | 0.32 | 0 | 0 | 7.53 |
| 22 | 0 | 0 | 0 | 0.25 | 0.26 | 0 | 0.84 | 1.96 | 0.18 | 0.05 | 0 | 0 | 3.54 |
| 23 | 0 | 0 | 0 | 0.32 | 0.35 | 0 | 1.38 | 2.28 | 2.19 | 0.35 | 0 | 0 | 6.87 |
| 24 | 0 | 0 | 0 | 0.26 | 0 | 0 | 1.06 | 0.64 | 0.43 | 0.32 | 0 | 0 | 2.71 |
| 25 | 0 | 0 | 0.23 | 0.32 | 0 | 0.62 | 2.1 | 1.44 | 1.38 | 0.78 | 0 | 0 | 6.87 |
| 26 | 0 | 0 | 0 | 0.85 | 1.24 | 0.1 | 1.56 | 0.38 | 1.34 | 0.24 | 0 | 0 | 5.71 |
| 27 | 0 | 0 | 0 | 0.29 | 0.08 | 1 | 1.76 | 1.17 | 2.34 | 0.08 | 0 | 0 | 6.72 |
| 28 | 0 | 0 | 0 | 0.31 | 1.13 | 0 | 1.61 | 1.17 | 0.34 | 0.92 | 0 | 0 | 5.48 |
| 29 | 0 | 0 | 0 | 0.24 | 0.09 | 0 | 4.34 | 1.94 | 2.01 | 0.84 | 0 | 0 | 9.46 |
| 30 | 0 | 0 | 0 | 0.81 | 0.56 | 0.47 | 1.37 | 1.33 | 0 | 0.08 | 0 | 0 | 4.62 |
| 31 | 0 | 0 | 0 | 0.74 | 0 | 0.63 | 2.54 | 1.4 | 1.55 | 0.86 | 0.25 | 0 | 7.97 |
| 32 | 0 | 0 | 0 | 0.79 | 0 | 0 | 2.67 | 1.54 | 0.17 | 0.46 | 0 | 0 | 5.63 |
| 33 | 0 | 0 | 0 | 0.12 | 0.17 | 0.63 | 2.26 | 0.71 | 1.21 | 1.36 | 0 | 0 | 6.46 |
| 34 | 0 | 0 | 0 | 0.74 | 1.23 | 0.19 | 0.98 | 2.6 | 0.71 | 0.08 | 0.02 | 0 | 6.55 |
| 35 | 0 | 0 | 0 | 0.29 | 0.89 | 0 | 0.99 | 1.61 | 0.42 | 0 | 0 | 0 | 4.2 |
| 36 | 0 | 0 | 0 | 0 | 0.51 | 0.39 | 0.91 | 2.95 | 0.78 | 0.78 | 0 | 0 | 6.32 |
| 37 | 0 | 0 | 0 | 0.09 | 0.57 | 0.69 | 2.38 | 0.47 | 0.88 | 0.67 | 0 | 0 | 5.75 |
| 38 | 0 | 0 | 0 | 0.48 | 0.26 | 1.08 | 0.3 | 0.63 | 0.92 | 0.07 | 0 | 0 | 3.74 |
| 39 | 0 | 0 | 0 | 0.6 | 0 | 0 | 0.66 | 0.55 | 1.01 | 0.26 | 0 | 0 | 3.08 |
| 40 | 0 | 0 | 0 | 0.51 | 0.35 | 0.54 | 0.82 | 1.55 | 1.9 | 0.87 | 0 | 0 | 6.54 |
| 41 | 0 | 0 | 0 | 0.28 | 0.84 | 0.27 | 0.86 | 0.91 | 2.11 | 0.87 | 0 | 0 | 6.14 |
| 42 | 0 | 0 | 0 | 0.37 | 0 | 0 | 0.82 | 1.21 | 0.93 | 0.8 | 0 | 0 | 4.13 |
| 43 | 0 | 0 | 0.1 | 0.32 | 0.35 | 0.92 | 0.83 | 1.26 | 0.34 | 0.85 | 0 | 0 | 4.97 |
| 44 | 0 | 0 | 0 | 0.03 | 0.34 | 0 | 1.27 | 1.46 | 1.06 | 0.53 | 0 | 0 | 4.69 |
| 45 | 0 | 0 | 0 | 0.01 | 0 | 0 | 1.22 | 1.76 | 0 | 0.66 | 0 | 0 | 3.65 |
| 46 | 0 | 0 | 0.02 | 0.08 | 0 | 0 | 0.89 | 3.29 | 1.27 | 0.27 | 0 | 0 | 5.82 |
| 47 | 0 | 0 | 0 | 0 | 1 | 0.37 | 1.15 | 1.67 | 0.27 | 0.68 | 0 | 0 | 5.14 |
| 48 | 0 | 0 | 0 | 0.09 | 0.18 | 0.47 | 1.07 | 0.56 | 1.07 | 0.94 | 0 | 0 | 4.38 |
| AV | 0 | 0 | 0.02286 | 0.34514 | 0.416 | 0.32343 | 1.70886 | 1.40886 | 0.94657 | 0.54057 | 0.00771 | 0 | 5.72 |

MODIFIED B-C CONSUMPTIVE USE OF IRRIGATION WATER

Black Rock Weather Station

Pasture Grass/Hay

| Year | Crop Irrigation Requirement (inches) | | | | | | | | | | | | Total |
|------|--------------------------------------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| | January | February | March | April | May | June | July | August | September | October | November | December | |
| 14 | 0 | 0 | 0 | 1.03 | 2.69 | 4.43 | 1.66 | 2.47 | 3.1 | 0.72 | 0.39 | 0 | 16.5 |
| 15 | 0 | 0 | 0 | 0.56 | 1.32 | 3.32 | 2.77 | 3.22 | 2.25 | 1.88 | 0.07 | 0 | 15.38 |
| 16 | 0 | 0 | 0.21 | 1.86 | 2.71 | 4.63 | 3.18 | 3.44 | 2.27 | 0 | 0 | 0 | 18.31 |
| 17 | 0 | 0 | 0 | 1.26 | 2.06 | 4.91 | 4.91 | 5.08 | 3.11 | 1.93 | 0.22 | 0 | 23.47 |
| 18 | 0 | 0 | 0 | 1.29 | 2.74 | 4.94 | 3.9 | 3.29 | 3.49 | 1.06 | 0 | 0 | 20.71 |
| 19 | 0 | 0 | 0 | 0.88 | 2.48 | 4.79 | 1.85 | 4.24 | 0.92 | 0.74 | 0 | 0 | 15.91 |
| 20 | 0 | 0 | 0 | 0.1 | 2.47 | 4.09 | 4.27 | 3.91 | 2.9 | 1.13 | 0 | 0 | 18.88 |
| 21 | 0 | 0 | 0.37 | 1.36 | 3.04 | 4.03 | 1.76 | 3.22 | 3.58 | 1.92 | 0.38 | 0 | 19.65 |
| 22 | 0 | 0 | 0 | 0.77 | 3.02 | 5.43 | 5.33 | 3.54 | 3.58 | 1.47 | 0 | 0 | 23.14 |
| 23 | 0 | 0 | 0 | 1.11 | 2.99 | 4.48 | 4.69 | 2.6 | 0.96 | 1.17 | 0 | 0 | 18 |
| 24 | 0 | 0 | 0 | 0.95 | 3.35 | 5.23 | 4.89 | 4.79 | 3.25 | 1.52 | 0.22 | 0 | 24.2 |
| 25 | 0 | 0 | 0.23 | 1.83 | 3.66 | 4.06 | 3.97 | 3.48 | 2.03 | 1.08 | 0 | 0 | 20.36 |
| 26 | 0 | 0 | 0.01 | 1.05 | 1.97 | 4.95 | 4.06 | 5.08 | 2.42 | 1.93 | 0.31 | 0 | 21.78 |
| 27 | 0 | 0 | 0 | 1.55 | 3.21 | 3.65 | 4.49 | 3.99 | 1.2 | 1.86 | 0.47 | 0 | 20.41 |
| 28 | 0 | 0 | 0.16 | 1.43 | 2.47 | 4.77 | 4.56 | 4.11 | 3.04 | 1.17 | 0.22 | 0 | 21.92 |
| 29 | 0 | 0 | 0 | 1.07 | 3.28 | 4.96 | 1.57 | 3.26 | 1.64 | 1.13 | 0 | 0 | 16.91 |
| 30 | 0 | 0 | 0.15 | 1.51 | 2.3 | 4.8 | 4.62 | 4.1 | 3.49 | 1.77 | 0 | 0 | 22.74 |
| 31 | 0 | 0 | 0.11 | 1.36 | 3.41 | 4.47 | 3.83 | 3.99 | 2.3 | 1.25 | 0 | 0 | 20.73 |
| 32 | 0 | 0 | 0 | 1.2 | 3.31 | 4.63 | 3.22 | 3.87 | 3.34 | 1.36 | 0.17 | 0 | 21.09 |
| 33 | 0 | 0 | 0 | 0.46 | 2.52 | 4.47 | 4.01 | 4.43 | 2.55 | 0.48 | 0 | 0 | 18.92 |
| 34 | 0 | 0 | 0.54 | 1.35 | 2.73 | 4.2 | 4.8 | 2.4 | 2.4 | 2.14 | 0.14 | 0 | 20.7 |
| 35 | 0 | 0 | 0 | 1.54 | 1.8 | 4.89 | 5.02 | 3.8 | 3.01 | 1.9 | 0.03 | 0 | 21.99 |
| 36 | 0 | 0 | 0.19 | 2.12 | 3.14 | 4.81 | 5.04 | 2.3 | 2.47 | 1.01 | 0.06 | 0 | 21.15 |
| 37 | 0 | 0 | 0 | 1.25 | 2.75 | 3.79 | 3.23 | 5.01 | 2.94 | 1.38 | 0.2 | 0 | 20.55 |
| 38 | 0 | 0 | 0 | 1.28 | 2.67 | 3.78 | 5.38 | 4.49 | 2.55 | 1.73 | 0 | 0 | 21.88 |
| 39 | 0 | 0 | 0.08 | 1.56 | 3.59 | 4.77 | 5.08 | 4.68 | 2.68 | 1.12 | 0 | 0 | 23.56 |
| 40 | 0 | 0 | 0 | 1.25 | 2.99 | 4.3 | 4.96 | 3.14 | 1.31 | 0.81 | 0 | 0 | 18.75 |
| 41 | 0 | 0 | 0 | 0.18 | 2.13 | 3.57 | 4.15 | 3.57 | 0.84 | 0.23 | 0 | 0 | 14.67 |
| 42 | 0 | 0 | 0 | 1.29 | 2.97 | 4.51 | 4.94 | 3.42 | 2.39 | 0.73 | 0 | 0 | 20.26 |
| 43 | 0 | 0 | 0.24 | 1.96 | 3.12 | 3.69 | 5.03 | 4.19 | 3.17 | 0.97 | 0.12 | 0 | 22.5 |
| 44 | 0 | 0 | 0 | 0.89 | 2.74 | 4.56 | 4.28 | 3.74 | 2.31 | 1.57 | 0.09 | 0 | 20.19 |
| 45 | 0 | 0 | 0 | 1.11 | 3.15 | 4.08 | 4.62 | 3.72 | 3.41 | 1.32 | 0.07 | 0 | 21.49 |
| 46 | 0 | 0 | 0.5 | 2.43 | 3.15 | 5.16 | 4.79 | 1.52 | 2.35 | 1.2 | 0 | 0 | 21.11 |
| 47 | 0 | 0 | 0 | 1.41 | 2.53 | 4.04 | 4.86 | 2.97 | 3.41 | 1.05 | 0 | 0 | 20.27 |
| 48 | 0 | 0 | 0 | 1.39 | 3.13 | 4.46 | 4.96 | 4.85 | 2.66 | 0.82 | 0 | 0 | 22.28 |
| AV | 0 | 0 | 0.08 | 1.25 | 2.79 | 4.45 | 4.13 | 3.71 | 2.55 | 1.24 | 0.09 | 0 | 20.3 |

**MODIFIED B-C GROSS CONSUMPTIVE USE
Black Rock Weather Station**

| Year | Crop Potential Evapotranspiration (inches) | | | | | | | | | | | | | Total |
|------|--|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|-------|
| | January | February | March | April | May | June | July | August | September | October | November | December | | |
| 14 | 0 | 0 | 0 | 0.83 | 3.62 | 6.87 | 4.41 | 0.36 | 0 | 0 | 0 | 0 | 16.09 | |
| 15 | 0 | 0 | 0 | 0.96 | 2.99 | 6.01 | 4.39 | 0.29 | 0 | 0 | 0 | 0 | 14.64 | |
| 16 | 0 | 0 | 0.32 | 1.45 | 4.06 | 5.32 | 1.41 | 0 | 0 | 0 | 0 | 0 | 12.57 | |
| 17 | 0 | 0 | 0 | 0.89 | 3.12 | 6.87 | 5.04 | 0.32 | 0 | 0 | 0 | 0 | 16.24 | |
| 18 | 0 | 0 | 0 | 0.73 | 2.86 | 7.49 | 4.86 | 0.41 | 0 | 0 | 0 | 0 | 16.35 | |
| 19 | 0 | 0 | 0 | 0.53 | 2.5 | 6.75 | 5.82 | 0.83 | 0 | 0 | 0 | 0 | 16.44 | |
| 20 | 0 | 0 | 0 | 0.04 | 1.44 | 5.23 | 8.08 | 2.64 | 0.04 | 0 | 0 | 0 | 17.47 | |
| 21 | 0 | 0 | 0.16 | 0.94 | 4 | 6.08 | 2.34 | 0 | 0 | 0 | 0 | 0 | 13.51 | |
| 22 | 0 | 0 | 0 | 0.46 | 2.46 | 7.51 | 6.79 | 1.1 | 0 | 0 | 0 | 0 | 18.33 | |
| 23 | 0 | 0 | 0 | 0.72 | 3.24 | 6.33 | 5.62 | 0.54 | 0 | 0 | 0 | 0 | 16.45 | |
| 24 | 0 | 0 | 0 | 0.58 | 2.88 | 7.45 | 6.03 | 0.82 | 0 | 0 | 0 | 0 | 17.77 | |
| 25 | 0 | 0 | 0.21 | 1.28 | 4.8 | 5.74 | 2.15 | 0 | 0 | 0 | 0 | 0 | 14.18 | |
| 26 | 0 | 0 | 0 | 1.05 | 3.73 | 6.99 | 3.67 | 0.1 | 0 | 0 | 0 | 0 | 15.55 | |
| 27 | 0 | 0 | 0 | 1 | 3.67 | 6.48 | 4.69 | 0.22 | 0 | 0 | 0 | 0 | 16.05 | |
| 28 | 0 | 0 | 0.06 | 0.99 | 4.38 | 6.4 | 3.42 | 0.04 | 0 | 0 | 0 | 0 | 15.29 | |
| 29 | 0 | 0 | 0 | 0.65 | 3.14 | 7.03 | 5.65 | 0.64 | 0 | 0 | 0 | 0 | 17.11 | |
| 30 | 0 | 0 | 0.06 | 1.31 | 3.43 | 7.17 | 3.52 | 0.05 | 0 | 0 | 0 | 0 | 15.54 | |
| 31 | 0 | 0 | 0.04 | 1.17 | 4.03 | 7.05 | 3.95 | 0.08 | 0 | 0 | 0 | 0 | 16.32 | |
| 32 | 0 | 0 | 0 | 1.1 | 3.79 | 6.42 | 4.04 | 0.15 | 0 | 0 | 0 | 0 | 15.49 | |
| 33 | 0 | 0 | 0 | 0.24 | 1.51 | 6.62 | 7.69 | 1.71 | 0 | 0 | 0 | 0 | 17.76 | |
| 34 | 0 | 0 | 0.25 | 1.25 | 5.24 | 5.3 | 1.82 | 0 | 0 | 0 | 0 | 0 | 13.87 | |
| 35 | 0 | 0 | 0 | 1 | 3.04 | 6.8 | 4.31 | 0.19 | 0 | 0 | 0 | 0 | 15.35 | |
| 36 | 0 | 0 | 0.08 | 1.2 | 4.43 | 6.97 | 3.3 | 0.03 | 0 | 0 | 0 | 0 | 16.02 | |
| 37 | 0 | 0 | 0 | 0.66 | 3.1 | 6.34 | 5.35 | 0.65 | 0 | 0 | 0 | 0 | 16.11 | |
| 38 | 0 | 0 | 0 | 0.96 | 3.26 | 6.77 | 4.26 | 0.22 | 0 | 0 | 0 | 0 | 15.47 | |
| 39 | 0 | 0 | 0.03 | 1.21 | 4.24 | 6.58 | 3.56 | 0.08 | 0 | 0 | 0 | 0 | 15.7 | |
| 40 | 0 | 0 | 0 | 0.96 | 3.77 | 6.73 | 4.14 | 0.16 | 0 | 0 | 0 | 0 | 15.77 | |
| 41 | 0 | 0 | 0 | 0.18 | 1.65 | 4.87 | 6.34 | 1.73 | 0 | 0 | 0 | 0 | 14.77 | |
| 42 | 0 | 0 | 0 | 0.88 | 3.15 | 6.33 | 4.82 | 0.35 | 0 | 0 | 0 | 0 | 15.53 | |
| 43 | 0 | 0 | 0.14 | 1.33 | 4.39 | 5.92 | 2.67 | 0 | 0 | 0 | 0 | 0 | 14.47 | |
| 44 | 0 | 0 | 0 | 0.41 | 2.2 | 6.23 | 6.27 | 1.15 | 0 | 0 | 0 | 0 | 16.26 | |
| 45 | 0 | 0 | 0 | 0.53 | 2.6 | 5.75 | 6.08 | 0.91 | 0 | 0 | 0 | 0 | 15.87 | |
| 46 | 0 | 0 | 0.24 | 1.51 | 4.17 | 6.23 | 1.86 | 0 | 0 | 0 | 0 | 0 | 14.01 | |
| 47 | 0 | 0 | 0 | 0.72 | 3.56 | 6.22 | 5.39 | 0.47 | 0 | 0 | 0 | 0 | 16.35 | |
| 48 | 0 | 0 | 0 | 0.74 | 3.09 | 6.98 | 5.76 | 0.64 | 0 | 0 | 0 | 0 | 17.2 | |
| AV | 0 | 0 | 0.05 | 0.87 | 3.36 | 6.45 | 4.56 | 0.48 | 0 | 0 | 0 | 0 | | |

EFFECTIVE PRECIPITATION, Inches

Black Rock Weather Station

| YR | Spring Grain | | | | | | | | | | | | ANNUAL |
|----|--------------|-----|---------|---------|------|---------|---------|---------|---------|-----|-----|-----|--------|
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| 14 | 0 | 0 | 0 | 0.51 | 0.73 | 0.52 | 3.44 | 0.36 | 0 | 0 | 0 | 0 | 5.56 |
| 15 | 0 | 0 | 0 | 0.96 | 1.47 | 1.07 | 2.51 | 0.29 | 0 | 0 | 0 | 0 | 6.3 |
| 16 | 0 | 0 | 0.32 | 0.16 | 0.27 | 0 | 1.41 | 0 | 0 | 0 | 0 | 0 | 2.16 |
| 17 | 0 | 0 | 0 | 0.38 | 0.85 | 0 | 1.23 | 0 | 0 | 0 | 0 | 0 | 2.46 |
| 18 | 0 | 0 | 0 | 0.11 | 0 | 0.43 | 1.63 | 0.41 | 0 | 0 | 0 | 0 | 2.58 |
| 19 | 0 | 0 | 0 | 0.24 | 0.54 | 0 | 3.78 | 0.36 | 0 | 0 | 0 | 0 | 4.92 |
| 20 | 0 | 0 | 0 | 0 | 0.24 | 0.39 | 1.79 | 0.48 | 0.02 | 0 | 0 | 0 | 2.92 |
| 21 | 0 | 0 | 0 | 0.23 | 0.09 | 0.84 | 2.34 | 0 | 0 | 0 | 0 | 0 | 3.5 |
| 22 | 0 | 0 | 0 | 0.24 | 0.25 | 0 | 0.86 | 1.1 | 0 | 0 | 0 | 0 | 2.45 |
| 23 | 0 | 0 | 0 | 0.3 | 0.34 | 0 | 1.35 | 0.54 | 0 | 0 | 0 | 0 | 2.53 |
| 24 | 0 | 0 | 0 | 0.25 | 0 | 0 | 1.07 | 0.29 | 0 | 0 | 0 | 0 | 1.61 |
| 25 | 0 | 0 | 0.21 | 0.31 | 0 | 0.65 | 1.6 | 0 | 0 | 0 | 0 | 0 | 2.77 |
| 26 | 0 | 0 | 0 | 0.81 | 1.27 | 0.11 | 1.4 | 0.01 | 0 | 0 | 0 | 0 | 3.6 |
| 27 | 0 | 0 | 0 | 0.28 | 0.09 | 1.1 | 1.62 | 0.22 | 0 | 0 | 0 | 0 | 3.31 |
| 28 | 0 | 0 | 0 | 0.3 | 1.19 | 0 | 1.38 | 0.04 | 0 | 0 | 0 | 0 | 2.91 |
| 29 | 0 | 0 | 0 | 0.24 | 0.08 | 0 | 4.28 | 0.64 | 0 | 0 | 0 | 0 | 5.24 |
| 30 | 0 | 0 | 0 | 0.77 | 0.58 | 0.52 | 1.2 | 0.05 | 0 | 0 | 0 | 0 | 3.12 |
| 31 | 0 | 0 | 0 | 0.69 | 0 | 0.71 | 2.22 | 0.08 | 0 | 0 | 0 | 0 | 3.7 |
| 32 | 0 | 0 | 0 | 0.76 | 0 | 0 | 2.41 | 0.15 | 0 | 0 | 0 | 0 | 3.32 |
| 33 | 0 | 0 | 0 | 0.12 | 0.16 | 0.69 | 2.44 | 0.54 | 0 | 0 | 0 | 0 | 3.95 |
| 34 | 0 | 0 | 0 | 0.7 | 1.31 | 0.2 | 0.7 | 0 | 0 | 0 | 0 | 0 | 2.91 |
| 35 | 0 | 0 | 0 | 0.28 | 0.91 | 0 | 0.9 | 0.19 | 0 | 0 | 0 | 0 | 2.28 |
| 36 | 0 | 0 | 0 | 0 | 0.52 | 0.42 | 0.78 | 0.03 | 0 | 0 | 0 | 0 | 1.75 |
| 37 | 0 | 0 | 0 | 0.08 | 0.56 | 0.76 | 2.34 | 0.18 | 0 | 0 | 0 | 0 | 3.92 |
| 38 | 0 | 0 | 0 | 0.46 | 0.26 | 1.2 | 0.28 | 0.12 | 0 | 0 | 0 | 0 | 2.32 |
| 39 | 0 | 0 | 0 | 0.57 | 0 | 0 | 0.58 | 0.02 | 0 | 0 | 0 | 0 | 1.17 |
| 40 | 0 | 0 | 0 | 0.48 | 0.35 | 0.61 | 0.74 | 0.16 | 0 | 0 | 0 | 0 | 2.34 |
| 41 | 0 | 0 | 0 | 0.18 | 0.78 | 0.29 | 0.93 | 0.76 | 0 | 0 | 0 | 0 | 2.94 |
| 42 | 0 | 0 | 0 | 0.35 | 0 | 0 | 0.77 | 0.35 | 0 | 0 | 0 | 0 | 1.47 |
| 43 | 0 | 0 | 0.09 | 0.31 | 0.36 | 0.98 | 0.69 | 0 | 0 | 0 | 0 | 0 | 2.43 |
| 44 | 0 | 0 | 0 | 0.03 | 0.32 | 0 | 1.32 | 0.9 | 0 | 0 | 0 | 0 | 2.57 |
| 45 | 0 | 0 | 0 | 0.01 | 0 | 0 | 1.23 | 0.91 | 0 | 0 | 0 | 0 | 2.15 |
| 46 | 0 | 0 | 0.02 | 0.08 | 0 | 0 | 0.66 | 0 | 0 | 0 | 0 | 0 | 0.76 |
| 47 | 0 | 0 | 0 | 0 | 1.01 | 0.41 | 1.11 | 0.47 | 0 | 0 | 0 | 0 | 3 |
| 48 | 0 | 0 | 0 | 0.09 | 0.17 | 0.52 | 1.06 | 0.21 | 0 | 0 | 0 | 0 | 2.05 |
| AV | 0 | 0 | 0.01829 | 0.32229 | 0.42 | 0.35486 | 1.54429 | 0.28171 | 0.00057 | 0 | 0 | 0 | 2.942 |

MODIFIED B-C CONSUMPTIVE USE OF IRRIGATION WATER

Black Rock Weather Station

Spring Grain

| Year | Crop Irrigation Requirement (inches) | | | | | | | | | | | | | Total |
|------|--------------------------------------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|---|-------|
| | January | February | March | April | May | June | July | August | September | October | November | December | | |
| 14 | 0 | 0 | 0 | 0.32 | 2.89 | 6.35 | 0.97 | 0 | 0 | 0 | 0 | 0 | 0 | 10.53 |
| 15 | 0 | 0 | 0 | 0 | 1.52 | 4.94 | 1.88 | 0 | 0 | 0 | 0 | 0 | 0 | 8.33 |
| 16 | 0 | 0 | 0 | 1.29 | 3.79 | 5.32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.4 |
| 17 | 0 | 0 | 0 | 0.51 | 2.27 | 6.87 | 3.81 | 0.32 | 0 | 0 | 0 | 0 | 0 | 13.79 |
| 18 | 0 | 0 | 0 | 0.62 | 2.86 | 7.06 | 3.23 | 0 | 0 | 0 | 0 | 0 | 0 | 13.77 |
| 19 | 0 | 0 | 0 | 0.29 | 1.96 | 6.75 | 2.04 | 0.47 | 0 | 0 | 0 | 0 | 0 | 11.51 |
| 20 | 0 | 0 | 0 | 0.04 | 1.2 | 4.84 | 6.29 | 2.16 | 0.02 | 0 | 0 | 0 | 0 | 14.55 |
| 21 | 0 | 0 | 0.16 | 0.71 | 3.91 | 5.24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.02 |
| 22 | 0 | 0 | 0 | 0.22 | 2.21 | 7.51 | 5.93 | 0 | 0 | 0 | 0 | 0 | 0 | 15.86 |
| 23 | 0 | 0 | 0 | 0.42 | 2.9 | 6.33 | 4.27 | 0 | 0 | 0 | 0 | 0 | 0 | 13.92 |
| 24 | 0 | 0 | 0 | 0.33 | 2.88 | 7.45 | 4.96 | 0.53 | 0 | 0 | 0 | 0 | 0 | 16.15 |
| 25 | 0 | 0 | 0 | 0.97 | 4.8 | 5.09 | 0.55 | 0 | 0 | 0 | 0 | 0 | 0 | 11.41 |
| 26 | 0 | 0 | 0 | 0.24 | 2.46 | 6.88 | 2.27 | 0.09 | 0 | 0 | 0 | 0 | 0 | 11.95 |
| 27 | 0 | 0 | 0 | 0.72 | 3.58 | 5.38 | 3.07 | 0 | 0 | 0 | 0 | 0 | 0 | 12.75 |
| 28 | 0 | 0 | 0.06 | 0.69 | 3.19 | 6.4 | 2.04 | 0 | 0 | 0 | 0 | 0 | 0 | 12.38 |
| 29 | 0 | 0 | 0 | 0.41 | 3.06 | 7.03 | 1.37 | 0 | 0 | 0 | 0 | 0 | 0 | 11.87 |
| 30 | 0 | 0 | 0.06 | 0.54 | 2.85 | 6.65 | 2.32 | 0 | 0 | 0 | 0 | 0 | 0 | 12.43 |
| 31 | 0 | 0 | 0.04 | 0.48 | 4.03 | 6.34 | 1.73 | 0 | 0 | 0 | 0 | 0 | 0 | 12.61 |
| 32 | 0 | 0 | 0 | 0.34 | 3.79 | 6.42 | 1.63 | 0 | 0 | 0 | 0 | 0 | 0 | 12.18 |
| 33 | 0 | 0 | 0 | 0.12 | 1.35 | 5.93 | 5.25 | 1.17 | 0 | 0 | 0 | 0 | 0 | 13.82 |
| 34 | 0 | 0 | 0.25 | 0.55 | 3.93 | 5.1 | 1.12 | 0 | 0 | 0 | 0 | 0 | 0 | 10.95 |
| 35 | 0 | 0 | 0 | 0.72 | 2.13 | 6.8 | 3.41 | 0 | 0 | 0 | 0 | 0 | 0 | 13.06 |
| 36 | 0 | 0 | 0.08 | 1.2 | 3.91 | 6.55 | 2.52 | 0 | 0 | 0 | 0 | 0 | 0 | 14.25 |
| 37 | 0 | 0 | 0 | 0.58 | 2.54 | 5.58 | 3.01 | 0.47 | 0 | 0 | 0 | 0 | 0 | 12.19 |
| 38 | 0 | 0 | 0 | 0.5 | 3 | 5.57 | 3.98 | 0.1 | 0 | 0 | 0 | 0 | 0 | 13.15 |
| 39 | 0 | 0 | 0.03 | 0.64 | 4.24 | 6.58 | 2.98 | 0.06 | 0 | 0 | 0 | 0 | 0 | 14.52 |
| 40 | 0 | 0 | 0 | 0.48 | 3.42 | 6.12 | 3.4 | 0 | 0 | 0 | 0 | 0 | 0 | 13.41 |
| 41 | 0 | 0 | 0 | 0 | 0.87 | 4.58 | 5.41 | 0.97 | 0 | 0 | 0 | 0 | 0 | 11.83 |
| 42 | 0 | 0 | 0 | 0.53 | 3.15 | 6.33 | 4.05 | 0 | 0 | 0 | 0 | 0 | 0 | 14.06 |
| 43 | 0 | 0 | 0.05 | 1.02 | 4.03 | 4.94 | 1.98 | 0 | 0 | 0 | 0 | 0 | 0 | 12.02 |
| 44 | 0 | 0 | 0 | 0.38 | 1.88 | 6.23 | 4.95 | 0.25 | 0 | 0 | 0 | 0 | 0 | 13.7 |
| 45 | 0 | 0 | 0 | 0.52 | 2.6 | 5.75 | 4.85 | 0 | 0 | 0 | 0 | 0 | 0 | 13.72 |
| 46 | 0 | 0 | 0.22 | 1.43 | 4.17 | 6.23 | 1.2 | 0 | 0 | 0 | 0 | 0 | 0 | 13.25 |
| 47 | 0 | 0 | 0 | 0.72 | 2.55 | 5.81 | 4.28 | 0 | 0 | 0 | 0 | 0 | 0 | 13.37 |
| 48 | 0 | 0 | 0 | 0.65 | 2.92 | 6.46 | 4.7 | 0.43 | 0 | 0 | 0 | 0 | 0 | 15.16 |
| AV | 0 | 0 | 0.03 | 0.55 | 2.94 | 6.1 | 3.01 | 0.2 | 0 | 0 | 0 | 0 | 0 | 12.83 |

MODIFIED B-C GROSS CONSUMPTIVE USE

Black Rock Weather Station

Small Vegetables/Misc. Crops

| Year | Crop Potential Evapotranspiration (inches) | | | | | | | | | | | | Total |
|------|--|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| | January | February | March | April | May | June | July | August | September | October | November | December | |
| 14 | 0 | 0 | 0 | 0.19 | 1.65 | 3.69 | 4.64 | 4.61 | 2.78 | 0.56 | 0 | 0 | 18.13 |
| 15 | 0 | 0 | 0 | 0.22 | 1.44 | 3.4 | 4.86 | 4.32 | 1.81 | 0 | 0 | 0 | 16.06 |
| 16 | 0 | 0 | 0 | 0.35 | 1.56 | 3.56 | 5.04 | 4.49 | 2.71 | 0.64 | 0 | 0 | 18.36 |
| 17 | 0 | 0 | 0 | 0.09 | 1.38 | 3.8 | 5.57 | 4.45 | 2.14 | 0 | 0 | 0 | 17.43 |
| 18 | 0 | 0 | 0 | 0 | 1.11 | 3.97 | 5 | 4.12 | 1.88 | 0 | 0 | 0 | 16.08 |
| 19 | 0 | 0 | 0 | 0.03 | 1.33 | 3.6 | 4.97 | 4.36 | 2.17 | 0.03 | 0 | 0 | 16.5 |
| 20 | 0 | 0 | 0 | 0 | 0.82 | 2.92 | 5.03 | 4.01 | 2.71 | 0.42 | 0 | 0 | 15.92 |
| 21 | 0 | 0 | 0 | 0.02 | 1.33 | 3.42 | 5.02 | 4.64 | 3.06 | 0.87 | 0 | 0 | 18.37 |
| 22 | 0 | 0 | 0 | 0.06 | 1.42 | 3.93 | 5.38 | 4.95 | 3 | 0.63 | 0 | 0 | 19.37 |
| 23 | 0 | 0 | 0 | 0.17 | 1.66 | 3.49 | 5.43 | 4.21 | 1.92 | 0 | 0 | 0 | 16.88 |
| 24 | 0 | 0 | 0 | 0.12 | 1.6 | 4.05 | 5.32 | 4.68 | 2.17 | 0 | 0 | 0 | 17.93 |
| 25 | 0 | 0 | 0 | 0.58 | 2.13 | 3.72 | 5.42 | 4.36 | 2.59 | 0.57 | 0 | 0 | 19.37 |
| 26 | 0 | 0 | 0 | 0.24 | 1.57 | 3.77 | 4.92 | 4.93 | 3.13 | 1.08 | 0 | 0 | 19.64 |
| 27 | 0 | 0 | 0 | 0.28 | 1.75 | 3.67 | 5.59 | 4.49 | 2.37 | 0.08 | 0 | 0 | 18.22 |
| 28 | 0 | 0 | 0 | 0.19 | 1.74 | 3.59 | 5.43 | 4.73 | 2.64 | 0.66 | 0 | 0 | 18.98 |
| 29 | 0 | 0 | 0 | 0.12 | 1.5 | 3.57 | 5.13 | 4.71 | 3.05 | 0.98 | 0 | 0 | 19.06 |
| 30 | 0 | 0 | 0 | 0.68 | 1.8 | 4.36 | 5.37 | 4.66 | 2.33 | 0.12 | 0 | 0 | 19.3 |
| 31 | 0 | 0 | 0 | 0.49 | 1.94 | 4.04 | 5.69 | 4.78 | 2.87 | 0.54 | 0 | 0 | 20.34 |
| 32 | 0 | 0 | 0 | 0.36 | 1.8 | 3.66 | 5.26 | 4.76 | 2.45 | 0.2 | 0 | 0 | 18.48 |
| 33 | 0 | 0 | 0 | 0 | 0.9 | 3.35 | 5.37 | 4.67 | 3.11 | 0.73 | 0 | 0 | 18.13 |
| 34 | 0 | 0 | 0 | 0.51 | 2.19 | 3.41 | 5.12 | 4.48 | 2.5 | 0.92 | 0 | 0 | 19.13 |
| 35 | 0 | 0 | 0 | 0.06 | 1.16 | 3.52 | 5.23 | 4.88 | 2.78 | 0.72 | 0 | 0 | 18.35 |
| 36 | 0 | 0 | 0 | 0.53 | 2.16 | 4.21 | 5.33 | 4.55 | 2.21 | 0.15 | 0 | 0 | 19.14 |
| 37 | 0 | 0 | 0 | 0.13 | 1.53 | 3.31 | 4.91 | 4.93 | 3.05 | 0.76 | 0 | 0 | 18.6 |
| 38 | 0 | 0 | 0 | 0.14 | 1.38 | 3.67 | 5.03 | 4.56 | 2.57 | 0.37 | 0 | 0 | 17.7 |
| 39 | 0 | 0 | 0 | 0.56 | 2.16 | 3.89 | 5.14 | 4.52 | 2.5 | 0.14 | 0 | 0 | 18.91 |
| 40 | 0 | 0 | 0 | 0.18 | 1.52 | 3.46 | 4.99 | 4.28 | 2.76 | 1.17 | 0 | 0 | 18.36 |
| 41 | 0 | 0 | 0 | 0 | 1.1 | 2.83 | 4.47 | 3.85 | 1.49 | 0 | 0 | 0 | 13.73 |
| 42 | 0 | 0 | 0 | 0.22 | 1.51 | 3.5 | 5.14 | 4.07 | 2.29 | 0.14 | 0 | 0 | 16.87 |
| 43 | 0 | 0 | 0 | 0.7 | 2.16 | 3.79 | 5.24 | 4.72 | 2.42 | 0.2 | 0 | 0 | 19.24 |
| 44 | 0 | 0 | 0 | 0 | 1.34 | 3.41 | 4.93 | 4.57 | 2.26 | 0.04 | 0 | 0 | 16.56 |
| 45 | 0 | 0 | 0 | 0.05 | 1.45 | 3.14 | 5.21 | 4.69 | 1.85 | 0 | 0 | 0 | 16.38 |
| 46 | 0 | 0 | 0 | 0.94 | 2.05 | 4.3 | 5.09 | 4.17 | 2.53 | 0.26 | 0 | 0 | 19.36 |
| 47 | 0 | 0 | 0 | 0.15 | 1.67 | 3.3 | 5.29 | 4.16 | 2.87 | 0.63 | 0 | 0 | 18.07 |
| 48 | 0 | 0 | 0 | 0.27 | 1.69 | 3.81 | 5.38 | 4.78 | 2.68 | 0.29 | 0 | 0 | 18.91 |
| AV | 0 | 0 | 0 | 0.25 | 1.59 | 3.63 | 5.17 | 4.52 | 2.5 | 0.4 | 0 | 0 | 18.05 |

EFFECTIVE PRECIPITATION, Inches

Black Rock Weather Station

| Small Vegetables/Misc. Crops | | | | | | | | | | | | | |
|------------------------------|-----|-----|-----|---------|---------|---------|---------|---------|---------|---------|-----|-----|---------|
| YR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
| 14 | 0 | 0 | 0 | 0.1 | 0.65 | 0.43 | 3.48 | 2.61 | 0.48 | 0.47 | 0 | 0 | 8.22 |
| 15 | 0 | 0 | 0 | 0.22 | 1.35 | 0.92 | 2.58 | 1.78 | 0.79 | 0 | 0 | 0 | 7.64 |
| 16 | 0 | 0 | 0 | 0.01 | 0.24 | 0 | 2.42 | 1.54 | 1.14 | 0.64 | 0 | 0 | 5.99 |
| 17 | 0 | 0 | 0 | 0 | 0.77 | 0 | 1.27 | 0.09 | 0.48 | 0 | 0 | 0 | 2.61 |
| 18 | 0 | 0 | 0 | 0 | 0 | 0.35 | 1.65 | 1.43 | 0 | 0 | 0 | 0 | 3.43 |
| 19 | 0 | 0 | 0 | 0 | 0.51 | 0 | 3.61 | 0.68 | 2.17 | 0 | 0 | 0 | 6.97 |
| 20 | 0 | 0 | 0 | 0 | 0.14 | 0.33 | 1.51 | 0.51 | 0.55 | 0.11 | 0 | 0 | 3.15 |
| 21 | 0 | 0 | 0 | 0 | 0.08 | 0.72 | 3.85 | 1.87 | 0.17 | 0.15 | 0 | 0 | 6.84 |
| 22 | 0 | 0 | 0 | 0 | 0.24 | 0 | 0.8 | 1.9 | 0.17 | 0 | 0 | 0 | 3.11 |
| 23 | 0 | 0 | 0 | 0.03 | 0.32 | 0 | 1.34 | 2.19 | 1.92 | 0 | 0 | 0 | 5.8 |
| 24 | 0 | 0 | 0 | 0 | 0 | 0 | 1.03 | 0.62 | 0.35 | 0 | 0 | 0 | 2 |
| 25 | 0 | 0 | 0 | 0.16 | 0 | 0.59 | 2.02 | 1.39 | 1.32 | 0.32 | 0 | 0 | 5.8 |
| 26 | 0 | 0 | 0 | 0.2 | 1.13 | 0.09 | 1.51 | 0.37 | 1.3 | 0.15 | 0 | 0 | 4.75 |
| 27 | 0 | 0 | 0 | 0.05 | 0.08 | 0.94 | 1.7 | 1.13 | 2.2 | 0 | 0 | 0 | 6.1 |
| 28 | 0 | 0 | 0 | 0 | 1.03 | 0 | 1.54 | 1.14 | 0.33 | 0.42 | 0 | 0 | 4.46 |
| 29 | 0 | 0 | 0 | 0 | 0.08 | 0 | 4.15 | 1.88 | 1.94 | 0.57 | 0 | 0 | 8.62 |
| 30 | 0 | 0 | 0 | 0.52 | 0.53 | 0.45 | 1.32 | 1.28 | 0 | 0 | 0 | 0 | 4.1 |
| 31 | 0 | 0 | 0 | 0.35 | 0 | 0.59 | 2.45 | 1.36 | 1.46 | 0.29 | 0 | 0 | 6.5 |
| 32 | 0 | 0 | 0 | 0.29 | 0 | 0 | 2.58 | 1.49 | 0.17 | 0.01 | 0 | 0 | 4.54 |
| 33 | 0 | 0 | 0 | 0 | 0.1 | 0.57 | 2.15 | 0.69 | 1.17 | 0.73 | 0 | 0 | 5.41 |
| 34 | 0 | 0 | 0 | 0.36 | 1.11 | 0.17 | 0.95 | 2.53 | 0.68 | 0.02 | 0 | 0 | 5.82 |
| 35 | 0 | 0 | 0 | 0 | 0.82 | 0 | 0.95 | 1.57 | 0.41 | 0 | 0 | 0 | 3.75 |
| 36 | 0 | 0 | 0 | 0 | 0.47 | 0.36 | 0.88 | 2.84 | 0.74 | 0.04 | 0 | 0 | 5.33 |
| 37 | 0 | 0 | 0 | 0 | 0.52 | 0.65 | 2.29 | 0.46 | 0.84 | 0.33 | 0 | 0 | 5.09 |
| 38 | 0 | 0 | 0 | 0.03 | 0.24 | 1.01 | 0.29 | 0.62 | 0.89 | 0 | 0 | 0 | 3.08 |
| 39 | 0 | 0 | 0 | 0.31 | 0 | 0 | 0.63 | 0.53 | 0.95 | 0 | 0 | 0 | 2.42 |
| 40 | 0 | 0 | 0 | 0.06 | 0.31 | 0.5 | 0.79 | 1.51 | 1.85 | 0.88 | 0 | 0 | 5.9 |
| 41 | 0 | 0 | 0 | 0 | 0.65 | 0.26 | 0.84 | 0.88 | 1.49 | 0 | 0 | 0 | 4.12 |
| 42 | 0 | 0 | 0 | 0.06 | 0 | 0 | 0.79 | 1.17 | 0.87 | 0.05 | 0 | 0 | 2.94 |
| 43 | 0 | 0 | 0 | 0.19 | 0.32 | 0.88 | 0.79 | 1.21 | 0.33 | 0.08 | 0 | 0 | 3.8 |
| 44 | 0 | 0 | 0 | 0 | 0.3 | 0 | 1.22 | 1.4 | 0.99 | 0 | 0 | 0 | 3.91 |
| 45 | 0 | 0 | 0 | 0 | 0 | 0 | 1.17 | 1.68 | 0 | 0 | 0 | 0 | 2.85 |
| 46 | 0 | 0 | 0 | 0.05 | 0 | 0 | 0.86 | 3.17 | 1.19 | 0 | 0 | 0 | 5.27 |
| 47 | 0 | 0 | 0 | 0 | 0.9 | 0.34 | 1.11 | 1.64 | 0.26 | 0.35 | 0 | 0 | 4.6 |
| 48 | 0 | 0 | 0 | 0 | 0.16 | 0.43 | 1.04 | 0.54 | 1.01 | 0.19 | 0 | 0 | 3.37 |
| AV | 0 | 0 | 0 | 0.08543 | 0.37286 | 0.30229 | 1.64457 | 1.36286 | 0.87457 | 0.16571 | 0 | 0 | 4.80829 |

MODIFIED B-C CONSUMPTIVE USE OF IRRIGATION WATER

Black Rock Weather Station

Small Vegetables/Misc. Crops

| Year | Crop Irrigation Requirement (inches) | | | | | | | | | | | | Total | |
|------|--------------------------------------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|-------|
| | January | February | March | April | May | June | July | August | September | October | November | December | | |
| 14 | 0 | 0 | 0 | 0.09 | 1 | 3.26 | 1.16 | 2 | 2.3 | 0.09 | 0 | 0 | 0 | 9.91 |
| 15 | 0 | 0 | 0 | 0 | 0.09 | 2.48 | 2.28 | 2.54 | 1.02 | 0 | 0 | 0 | 0 | 8.41 |
| 16 | 0 | 0 | 0 | 0.34 | 1.32 | 3.56 | 2.62 | 2.95 | 1.57 | 0 | 0 | 0 | 0 | 12.37 |
| 17 | 0 | 0 | 0 | 0.09 | 0.61 | 3.8 | 4.3 | 4.36 | 1.66 | 0 | 0 | 0 | 0 | 14.82 |
| 18 | 0 | 0 | 0 | 0 | 1.11 | 3.62 | 3.35 | 2.69 | 1.88 | 0 | 0 | 0 | 0 | 12.64 |
| 19 | 0 | 0 | 0 | 0.03 | 0.82 | 3.6 | 1.36 | 3.68 | 0 | 0.03 | 0 | 0 | 0 | 9.53 |
| 20 | 0 | 0 | 0 | 0 | 0.68 | 2.59 | 3.52 | 3.5 | 2.16 | 0.31 | 0 | 0 | 0 | 12.76 |
| 21 | 0 | 0 | 0 | 0.02 | 1.25 | 2.7 | 1.17 | 2.77 | 2.89 | 0.72 | 0 | 0 | 0 | 11.53 |
| 22 | 0 | 0 | 0 | 0.06 | 1.18 | 3.93 | 4.58 | 3.05 | 2.83 | 0.63 | 0 | 0 | 0 | 16.25 |
| 23 | 0 | 0 | 0 | 0.14 | 1.34 | 3.49 | 4.09 | 2.02 | 0 | 0 | 0 | 0 | 0 | 11.09 |
| 24 | 0 | 0 | 0 | 0.12 | 1.6 | 4.05 | 4.29 | 4.06 | 1.82 | 0 | 0 | 0 | 0 | 15.93 |
| 25 | 0 | 0 | 0 | 0.42 | 2.13 | 3.13 | 3.4 | 2.97 | 1.27 | 0.25 | 0 | 0 | 0 | 13.58 |
| 26 | 0 | 0 | 0 | 0.04 | 0.44 | 3.68 | 3.41 | 4.56 | 1.83 | 0.93 | 0 | 0 | 0 | 14.89 |
| 27 | 0 | 0 | 0 | 0.23 | 1.67 | 2.73 | 3.89 | 3.36 | 0.17 | 0.08 | 0 | 0 | 0 | 12.13 |
| 28 | 0 | 0 | 0 | 0.19 | 0.71 | 3.59 | 3.89 | 3.59 | 2.31 | 0.24 | 0 | 0 | 0 | 14.52 |
| 29 | 0 | 0 | 0 | 0.12 | 1.42 | 3.57 | 0.98 | 2.83 | 1.11 | 0.41 | 0 | 0 | 0 | 10.42 |
| 30 | 0 | 0 | 0 | 0.16 | 1.27 | 3.91 | 4.05 | 3.38 | 2.33 | 0.12 | 0 | 0 | 0 | 15.22 |
| 31 | 0 | 0 | 0 | 0.14 | 1.94 | 3.45 | 3.24 | 3.42 | 1.41 | 0.25 | 0 | 0 | 0 | 13.84 |
| 32 | 0 | 0 | 0 | 0.07 | 1.8 | 3.66 | 2.68 | 3.27 | 2.28 | 0.19 | 0 | 0 | 0 | 13.96 |
| 33 | 0 | 0 | 0 | 0 | 0.8 | 2.78 | 3.22 | 3.98 | 1.94 | 0 | 0 | 0 | 0 | 12.72 |
| 34 | 0 | 0 | 0 | 0.15 | 1.08 | 3.24 | 4.17 | 1.95 | 1.82 | 0.9 | 0 | 0 | 0 | 13.31 |
| 35 | 0 | 0 | 0 | 0.06 | 0.34 | 3.52 | 4.28 | 3.31 | 2.37 | 0.72 | 0 | 0 | 0 | 14.61 |
| 36 | 0 | 0 | 0 | 0.53 | 1.69 | 3.85 | 4.45 | 1.71 | 1.47 | 0.11 | 0 | 0 | 0 | 13.82 |
| 37 | 0 | 0 | 0 | 0.13 | 1.01 | 2.66 | 2.62 | 4.47 | 2.21 | 0.43 | 0 | 0 | 0 | 13.53 |
| 38 | 0 | 0 | 0 | 0.11 | 1.14 | 2.66 | 4.74 | 3.94 | 1.68 | 0.37 | 0 | 0 | 0 | 14.65 |
| 39 | 0 | 0 | 0 | 0.25 | 2.16 | 3.89 | 4.51 | 3.99 | 1.55 | 0.14 | 0 | 0 | 0 | 16.49 |
| 40 | 0 | 0 | 0 | 0.12 | 1.21 | 2.96 | 4.2 | 2.77 | 0.91 | 0.29 | 0 | 0 | 0 | 12.46 |
| 41 | 0 | 0 | 0 | 0 | 0.45 | 2.57 | 3.63 | 2.97 | 0 | 0 | 0 | 0 | 0 | 9.63 |
| 42 | 0 | 0 | 0 | 0.16 | 1.51 | 3.5 | 4.35 | 2.9 | 1.42 | 0.09 | 0 | 0 | 0 | 13.93 |
| 43 | 0 | 0 | 0 | 0.51 | 1.84 | 2.91 | 4.45 | 3.51 | 2.09 | 0.12 | 0 | 0 | 0 | 15.43 |
| 44 | 0 | 0 | 0 | 0 | 1.04 | 3.41 | 3.71 | 3.17 | 1.27 | 0.04 | 0 | 0 | 0 | 12.63 |
| 45 | 0 | 0 | 0 | 0.05 | 1.45 | 3.14 | 4.04 | 3.01 | 1.85 | 0 | 0 | 0 | 0 | 13.53 |
| 46 | 0 | 0 | 0 | 0.89 | 2.05 | 4.3 | 4.23 | 1 | 1.34 | 0.26 | 0 | 0 | 0 | 14.07 |
| 47 | 0 | 0 | 0 | 0.15 | 0.77 | 2.96 | 4.18 | 2.52 | 2.61 | 0.28 | 0 | 0 | 0 | 13.49 |
| 48 | 0 | 0 | 0 | 0.27 | 1.53 | 3.38 | 4.34 | 4.24 | 1.67 | 0.1 | 0 | 0 | 0 | 15.53 |
| AV | 0 | 0 | 0 | 0.16 | 1.21 | 3.33 | 3.53 | 3.16 | 1.63 | 0.23 | 0 | 0 | 0 | 13.25 |

MODIFIED B-C GROSS CONSUMPTIVE USE
Zuni Weather Station

Alfalfa

| Year | Crop Potential Evapotranspiration (inches) | | | | | | | | | | | | Total |
|------|--|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| | January | February | March | April | May | June | July | August | September | October | November | December | |
| 49 | 0 | 0 | 0 | 1.38 | 4.06 | 5.92 | 7.21 | 6.15 | 4.59 | 0.88 | 0 | 0 | 30.19 |
| 50 | 0 | 0 | 0 | 1.89 | 3.88 | 6.01 | 7.18 | 6.03 | 3.7 | 3 | 0.22 | 0 | 31.92 |
| 51 | 0 | 0 | 0 | 0.57 | 4.04 | 5.31 | 7.76 | 6.18 | 4.14 | 1.09 | 0 | 0 | 29.08 |
| 52 | 0 | 0 | 0 | 1.01 | 4.16 | 6.01 | 6.99 | 6.34 | 4.14 | 1.47 | 0 | 0 | 30.13 |
| 53 | 0 | 0 | 0 | 0 | 2.49 | 6.09 | 7.52 | 5.97 | 4.3 | 1.95 | 0 | 0 | 28.31 |
| 54 | 0 | 0 | 0 | 2.26 | 4.27 | 5.83 | 7.49 | 5.87 | 4.28 | 2.14 | 0 | 0 | 32.14 |
| 55 | 0 | 0 | 0 | 0.23 | 3.78 | 5.58 | 6.69 | 6.28 | 4.34 | 0.72 | 0 | 0 | 27.62 |
| 56 | 0 | 0 | 0 | 0.49 | 4.25 | 6.7 | 6.72 | 5.79 | 4.51 | 1.7 | 0 | 0 | 30.14 |
| 57 | 0 | 0 | 0 | 0 | 3.36 | 5.94 | 6.95 | 5.87 | 3.98 | 1.62 | 0 | 0 | 27.72 |
| 58 | 0 | 0 | 0 | 0.65 | 4.6 | 6.65 | 7.09 | 6.6 | 4.14 | 1.78 | 0 | 0 | 31.51 |
| 59 | 0 | 0 | 0 | 1.38 | 3.8 | 6.61 | 7.47 | 5.91 | 3.83 | 2.07 | 0.2 | 0 | 31.27 |
| 60 | 0 | 0 | 0 | 1.09 | 3.9 | 6.65 | 7.59 | 6.69 | 4.54 | 1.46 | 0 | 0 | 31.92 |
| 61 | 0 | 0 | 0 | 0.86 | 4.09 | 6.86 | 7.52 | 6.22 | 3.77 | 1.75 | 0 | 0 | 31.06 |
| 62 | 0 | 0 | 0 | 1.98 | 3.78 | 5.96 | 7.49 | 6.62 | 4.33 | 2.38 | 0.4 | 0 | 32.94 |
| 63 | 0 | 0 | 0 | 1.01 | 4.51 | 5.88 | 7.79 | 5.93 | 4.65 | 2.72 | 0.7 | 0 | 33.18 |
| 64 | 0 | 0 | 0 | 0.31 | 4.22 | 5.94 | 7.76 | 6.11 | 4.09 | 2.24 | 0 | 0 | 30.68 |
| 65 | 0 | 0 | 0 | 0.42 | 3.6 | 5.15 | 7.13 | 6.03 | 3.57 | 0.09 | 0 | 0 | 25.99 |
| 66 | 0 | 0 | 0 | 1.72 | 4.79 | 6.23 | 7.91 | 6.47 | 4.2 | 1.25 | 0 | 0 | 32.57 |
| 67 | 0 | 0 | 0 | 0.56 | 3.83 | 5.81 | 7.61 | 6.01 | 4.17 | 1.4 | 0 | 0 | 29.4 |
| 68 | 0 | 0 | 0 | 0.37 | 3.88 | 6.09 | 7.06 | 5.45 | 3.89 | 1.43 | 0 | 0 | 28.17 |
| 69 | 0 | 0 | 0 | 1.24 | 4.29 | 5.83 | 7.64 | 6.88 | 4.36 | 0.45 | 0 | 0 | 30.7 |
| 70 | 0 | 0 | 0 | 0.03 | 4.13 | 5.94 | 7.59 | 6.49 | 3.74 | 0.61 | 0 | 0 | 28.53 |
| 71 | 0 | 0 | 0 | 0.02 | 3.48 | 6.05 | 7.57 | 5.91 | 3.71 | 1.24 | 0 | 0 | 27.97 |
| 72 | 0 | 0 | 0 | 0.75 | 3.9 | 5.75 | 7.61 | 6.05 | 4 | 2.18 | 0 | 0 | 30.24 |
| 73 | 0 | 0 | 0 | 0 | 3.22 | 5.11 | 6.76 | 5.69 | 3.08 | 0 | 0 | 0 | 23.85 |
| 74 | 0 | 0 | 0 | 0.03 | 4.06 | 6.38 | 6.81 | 5.65 | 3.41 | 0 | 0 | 0 | 26.33 |
| 75 | 0 | 0 | 0 | 0 | 2.54 | 5.33 | 6.69 | 5.71 | 3.7 | 1.16 | 0 | 0 | 25.13 |
| 76 | 0 | 0 | 0 | 0.81 | 4.09 | 5.75 | 6.99 | 5.75 | 3.98 | 0.4 | 0 | 0 | 27.77 |
| 77 | 0 | 0 | 0 | 0.81 | 3.73 | 6.29 | 6.95 | 6.18 | 4.12 | 2.48 | 0.05 | 0 | 30.61 |
| 78 | 0 | 0 | 0 | 0.43 | 3.45 | 6.09 | 7.35 | 5.33 | 3.45 | 2.03 | 0 | 0 | 28.13 |
| 79 | 0 | 0 | 0 | 1.03 | 3.92 | 5.73 | 6.9 | 5.51 | 4.31 | 1.84 | 0 | 0 | 29.23 |
| 80 | 0 | 0 | 0 | 0.17 | 3.32 | 5.88 | 7.04 | 5.69 | 4.09 | 1.3 | 0 | 0 | 27.48 |
| 81 | 0 | 0 | 0 | 1.74 | 3.76 | 6.29 | 6.81 | 5.89 | 3.82 | 1.21 | 0 | 0 | 29.52 |
| 82 | 0 | 0 | 0 | 0 | 3.33 | 5.17 | 6.38 | 5.89 | 3.88 | 0.17 | 0 | 0 | 24.81 |
| 83 | 0 | 0 | 0 | 0 | 3.11 | 5.11 | 6.83 | 5.47 | 3.79 | 0.93 | 0 | 0 | 25.24 |
| 84 | 0 | 0 | 0 | 0.56 | 4.6 | 5.83 | 7.32 | 6.03 | 4.08 | 1.06 | 0 | 0 | 29.48 |
| 85 | 0 | 0 | 0 | 1.35 | 4.11 | 6.09 | 7.25 | 6.15 | 3.49 | 1.8 | 0 | 0 | 30.25 |
| 86 | 0 | 0 | 0 | 0.89 | 3.9 | 6.18 | 6.92 | 6.47 | 3.65 | 1.02 | 0 | 0 | 29.04 |
| 87 | 0 | 0 | 0 | 1.15 | 3.7 | 5.86 | 6.33 | 5.67 | 3.67 | 1.46 | 0 | 0 | 27.83 |
| 88 | 0 | 0 | 0 | 0.44 | 3.82 | 6.01 | 7.28 | 6.05 | 3.41 | 0 | 0 | 0 | 27 |
| 89 | 0 | 0 | 0 | 2.66 | 4.29 | 5.79 | 7.52 | 5.83 | 4.12 | 1.37 | 0 | 0 | 31.58 |
| 90 | 0 | 0 | 0 | 1.52 | 3.7 | 6.58 | 6.99 | 5.73 | 4.44 | 0.82 | 0 | 0 | 29.78 |
| 91 | 0 | 0 | 0 | 0.14 | 3.66 | 5.39 | 7.23 | 6.3 | 4.06 | 2.03 | 0 | 0 | 28.82 |
| 92 | 0 | 0 | 0 | 1.98 | 4.07 | 5.46 | 6.51 | 5.83 | 4.01 | 0.66 | 0 | 0 | 28.53 |
| 93 | 0 | 0 | 0 | 0.81 | 4.16 | 5.77 | 6.81 | 6.15 | 3.95 | 1.53 | 0 | 0 | 29.19 |
| 94 | 0 | 0 | 0 | 1.19 | 4.14 | 6.67 | 7.86 | 7.6 | 4.23 | 0.54 | 0 | 0 | 32.24 |
| 95 | 0 | 0 | 0 | 0 | 3.14 | 5.52 | 7.16 | 7.1 | 4.28 | 0.48 | 0 | 0 | 27.68 |
| 96 | 0 | 0 | 0 | 1.57 | 4.62 | 6.54 | 7.88 | 6.58 | 3.65 | 1.61 | 0 | 0 | 32.45 |
| 97 | 0 | 0 | 0 | 0.73 | 4.43 | 5.81 | 7.16 | 6.62 | 4.85 | 1.17 | 0 | 0 | 30.78 |
| 98 | 0 | 0 | 0 | 0.06 | 3.78 | 5.31 | 7.69 | 6.75 | 4.7 | 0.6 | 0 | 0 | 28.9 |
| 99 | 0 | 0 | 0 | 0.32 | 3.92 | 5.86 | 7.32 | 6.18 | 4.23 | 1.48 | 0 | 0 | 29.3 |
| 0 | 0 | 0 | 0 | 2.14 | 4.81 | 6.81 | 8.03 | 6.64 | 4.72 | 2.31 | 0.04 | 0 | 35.5 |
| 1 | 0 | 0 | 0 | 1.51 | 4.54 | 6.45 | 7.66 | 6.45 | 4.54 | 1.1 | 0 | 0 | 32.25 |
| 2 | 0 | 0 | 0 | 2.3 | 4.16 | 6.72 | 7.88 | 6.2 | 4.01 | 0.37 | 0 | 0 | 31.65 |
| 3 | 0 | 0 | 0 | 0.76 | 4.58 | 6.27 | 8.29 | 6.58 | 4.34 | 2.21 | 0 | 0 | 33.02 |
| 4 | 0 | 0 | 0 | 1.25 | 4.31 | 6.34 | 7.11 | 6.09 | 3.11 | 0 | 0 | 0 | 28.2 |
| 5 | 0 | 0 | 0 | 0.96 | 4.31 | 5.6 | 7.66 | 5.99 | 4.34 | 1.71 | 0 | 0 | 30.57 |
| 6 | 0 | 0 | 0 | 1.55 | 4.49 | 6.63 | 7.3 | 5.67 | 2.09 | 0 | 0 | 0 | 27.73 |
| 7 | 0 | 0 | 0 | 0.43 | 3.94 | 5.9 | 7.21 | 6.01 | 3.4 | 0 | 0 | 0 | 26.88 |
| 8 | 0 | 0 | 0 | 0.17 | 3.53 | 5.92 | 6.83 | 5.95 | 3.71 | 0.5 | 0 | 0 | 26.61 |
| AV | 0 | 0 | 0 | 0.86 | 3.94 | 5.99 | 7.27 | 6.12 | 4 | 1.25 | 0.03 | 0 | 29.45 |

EFFECTIVE PRECIPITATION, Inches

Zuni Weather Station

| Alfalfa | | | | | | | | | | | | | |
|---------|-----|-----|-----|--------|---------|-------|---------|---------|-------|---------|---------|-----|--------|
| YR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
| 49 | 0 | 0 | 0 | 0.03 | 0 | 1.07 | 1.79 | 1 | 1.06 | 0.2 | 0 | 0 | 5.15 |
| 50 | 0 | 0 | 0 | 0 | 0 | 0.11 | 1.22 | 0 | 0.51 | 0 | 0 | 0 | 1.84 |
| 51 | 0 | 0 | 0 | 0.05 | 0 | 0 | 0.82 | 1.39 | 0.28 | 0.12 | 0 | 0 | 2.66 |
| 52 | 0 | 0 | 0 | 0.45 | 0.09 | 1 | 1.29 | 2.13 | 0.68 | 0 | 0 | 0 | 5.64 |
| 53 | 0 | 0 | 0 | 0 | 0.16 | 0.2 | 0.54 | 0.58 | 0 | 0.31 | 0 | 0 | 1.79 |
| 54 | 0 | 0 | 0 | 0.1 | 0.68 | 0 | 1.81 | 0.49 | 1.11 | 0.19 | 0 | 0 | 4.38 |
| 55 | 0 | 0 | 0 | 0 | 0.09 | 0.56 | 2.17 | 2.05 | 0 | 0 | 0 | 0 | 4.87 |
| 56 | 0 | 0 | 0 | 0 | 0 | 0 | 2.6 | 0.66 | 0 | 0.13 | 0 | 0 | 3.39 |
| 57 | 0 | 0 | 0 | 0 | 0.82 | 0.57 | 2.91 | 1.51 | 0 | 1.16 | 0 | 0 | 6.97 |
| 58 | 0 | 0 | 0 | 0.02 | 0.1 | 0.21 | 0.8 | 1.87 | 1.76 | 0.37 | 0 | 0 | 5.13 |
| 59 | 0 | 0 | 0 | 0.12 | 0 | 0 | 1.41 | 1.87 | 0.18 | 1.73 | 0 | 0 | 5.31 |
| 60 | 0 | 0 | 0 | 0.01 | 0.35 | 0.51 | 0.73 | 0.32 | 0.69 | 1.18 | 0 | 0 | 3.79 |
| 61 | 0 | 0 | 0 | 0 | 0 | 0 | 1.66 | 2.32 | 0.51 | 1.22 | 0 | 0 | 5.71 |
| 62 | 0 | 0 | 0 | 0.2 | 0 | 0 | 0.53 | 0.51 | 1.59 | 1.98 | 0.23 | 0 | 5.04 |
| 63 | 0 | 0 | 0 | 0 | 0 | 0 | 0.55 | 3.87 | 1.2 | 1.33 | 0.42 | 0 | 7.37 |
| 64 | 0 | 0 | 0 | 0 | 0 | 0 | 2.68 | 2.17 | 0.96 | 0 | 0 | 0 | 5.81 |
| 65 | 0 | 0 | 0 | 0.03 | 0.43 | 1.1 | 2.86 | 1.45 | 0.43 | 0 | 0 | 0 | 6.3 |
| 66 | 0 | 0 | 0 | 0.3 | 0 | 0 | 1.36 | 2.21 | 2.19 | 0 | 0 | 0 | 6.06 |
| 67 | 0 | 0 | 0 | 0 | 0.18 | 0.57 | 2.65 | 3.01 | 1.63 | 0.12 | 0 | 0 | 8.16 |
| 68 | 0 | 0 | 0 | 0.08 | 0.43 | 0.2 | 2.14 | 2.29 | 0.18 | 0.27 | 0 | 0 | 5.59 |
| 69 | 0 | 0 | 0 | 0.05 | 1.05 | 0 | 2.36 | 1.52 | 1.52 | 0.14 | 0 | 0 | 6.64 |
| 70 | 0 | 0 | 0 | 0 | 0 | 0.66 | 1.58 | 1.33 | 1.27 | 0.1 | 0 | 0 | 4.94 |
| 71 | 0 | 0 | 0 | 0 | 0 | 0 | 0.91 | 2.74 | 2.31 | 0.67 | 0 | 0 | 6.63 |
| 72 | 0 | 0 | 0 | 0 | 0.35 | 1.21 | 0.81 | 0.66 | 0.52 | 2.18 | 0 | 0 | 5.73 |
| 73 | 0 | 0 | 0 | 0 | 0.56 | 0.2 | 2.53 | 0.98 | 0.44 | 0 | 0 | 0 | 4.71 |
| 74 | 0 | 0 | 0 | 0 | 0 | 0 | 1.28 | 1.92 | 0.47 | 0 | 0 | 0 | 3.67 |
| 75 | 0 | 0 | 0 | 0 | 0 | 0 | 1.58 | 0.74 | 1.9 | 0 | 0 | 0 | 4.22 |
| 76 | 0 | 0 | 0 | 0 | 0.27 | 0 | 2.84 | 0.9 | 0.51 | 0 | 0 | 0 | 4.52 |
| 77 | 0 | 0 | 0 | 0 | 0.09 | 0.1 | 1.45 | 3.05 | 0.96 | 0.33 | 0 | 0 | 5.98 |
| 78 | 0 | 0 | 0 | 0 | 0.5 | 0 | 0.53 | 0.47 | 0.26 | 0.26 | 0 | 0 | 2.02 |
| 79 | 0 | 0 | 0 | 0 | 1.36 | 0 | 1.12 | 1.12 | 0 | 0.4 | 0 | 0 | 4 |
| 80 | 0 | 0 | 0 | 0 | 0.18 | 0 | 0.61 | 0.82 | 0.36 | 0.04 | 0 | 0 | 2.01 |
| 81 | 0 | 0 | 0 | 0.26 | 0.73 | 0.21 | 2.4 | 1.8 | 1.02 | 0.28 | 0 | 0 | 6.7 |
| 82 | 0 | 0 | 0 | 0 | 0.47 | 0 | 1.85 | 3.68 | 1.35 | 0 | 0 | 0 | 7.35 |
| 83 | 0 | 0 | 0 | 0 | 0.21 | 0.2 | 2.75 | 2.1 | 0.95 | 0.27 | 0 | 0 | 6.48 |
| 84 | 0 | 0 | 0 | 0.09 | 0 | 0 | 1.48 | 1.6 | 2.99 | 0.59 | 0 | 0 | 6.75 |
| 85 | 0 | 0 | 0 | 0.62 | 0 | 0.1 | 1.94 | 0.1 | 0.86 | 0.33 | 0 | 0 | 3.95 |
| 86 | 0 | 0 | 0 | 0.15 | 0.27 | 0.67 | 2.19 | 2.56 | 1 | 0.45 | 0 | 0 | 7.29 |
| 87 | 0 | 0 | 0 | 0.16 | 0.51 | 1.29 | 2.33 | 1.5 | 0.18 | 0.34 | 0 | 0 | 6.31 |
| 88 | 0 | 0 | 0 | 0.23 | 0.27 | 1.23 | 0.98 | 4.13 | 0.96 | 0 | 0 | 0 | 7.8 |
| 89 | 0 | 0 | 0 | 0 | 0.09 | 0 | 2.5 | 1.44 | 0 | 0.48 | 0 | 0 | 4.51 |
| 90 | 0 | 0 | 0 | 0.15 | 0.8 | 0.1 | 0.61 | 1.86 | 1.66 | 0.14 | 0 | 0 | 5.32 |
| 91 | 0 | 0 | 0 | 0 | 0 | 0.72 | 0.43 | 1.91 | 0.74 | 0.44 | 0 | 0 | 4.24 |
| 92 | 0 | 0 | 0 | 0 | 2.23 | 0.2 | 3.36 | 2.14 | 0.43 | 0.13 | 0 | 0 | 8.49 |
| 93 | 0 | 0 | 0 | 0 | 0.36 | 0 | 0 | 2.64 | 0 | 0.46 | 0 | 0 | 3.46 |
| 94 | 0 | 0 | 0 | 0.38 | 0.82 | 0.6 | 1.77 | 1.5 | 1.24 | 0.3 | 0 | 0 | 6.61 |
| 95 | 0 | 0 | 0 | 0 | 0.51 | 0 | 0.33 | 2 | 0.09 | 0 | 0 | 0 | 2.93 |
| 96 | 0 | 0 | 0 | 0 | 0 | 0.32 | 2.54 | 1.57 | 1.83 | 0.53 | 0 | 0 | 6.79 |
| 97 | 0 | 0 | 0 | 0.33 | 0.68 | 1.28 | 0.89 | 3.05 | 0.85 | 0.27 | 0 | 0 | 7.35 |
| 98 | 0 | 0 | 0 | 0 | 0 | 0 | 2.96 | 1.51 | 1.06 | 0.37 | 0 | 0 | 5.9 |
| 99 | 0 | 0 | 0 | 0 | 0.52 | 0.31 | 2.54 | 2.72 | 0.9 | 0 | 0 | 0 | 6.99 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0.95 | 0 | 1.73 | 0.37 | 1.35 | 0 | 0 | 4.4 |
| 1 | 0 | 0 | 0 | 0.3 | 0.09 | 0 | 1.51 | 2.83 | 0.69 | 0 | 0 | 0 | 5.42 |
| 2 | 0 | 0 | 0 | 0.41 | 0 | 0.21 | 1.1 | 1.54 | 1.93 | 0.08 | 0 | 0 | 5.27 |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0.85 | 0.69 | 0.44 | 0.47 | 0 | 0 | 2.45 |
| 4 | 0 | 0 | 0 | 0.13 | 0 | 0.11 | 0.32 | 1.07 | 0.63 | 0 | 0 | 0 | 2.26 |
| 5 | 0 | 0 | 0 | 0.19 | 0.1 | 0.1 | 0.63 | 0.91 | 0.27 | 0.32 | 0 | 0 | 2.52 |
| 6 | 0 | 0 | 0 | 0.05 | 0 | 0.41 | 1.56 | 1.5 | 0.56 | 0 | 0 | 0 | 4.08 |
| 7 | 0 | 0 | 0 | 0 | 1.03 | 0 | 1.71 | 2.89 | 0.21 | 0 | 0 | 0 | 5.84 |
| 8 | 0 | 0 | 0 | 0 | 1.2 | 0 | 1.67 | 1.07 | 0.27 | 0.13 | 0 | 0 | 4.34 |
| AV | 0 | 0 | 0 | 0.0815 | 0.30967 | 0.288 | 1.55533 | 1.69983 | 0.816 | 0.36933 | 0.01083 | 0 | 5.1305 |

MODIFIED B-C CONSUMPTIVE USE OF IRRIGATION WATER

Zuni Weather Station

Alfalfa

| Year | Crop Irrigation Requirement (inches) | | | | | | | | | | | | | Total |
|------|--------------------------------------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|-------|
| | January | February | March | April | May | June | July | August | September | October | November | December | | |
| 49 | 0 | 0 | 0 | 1.35 | 4.06 | 4.85 | 5.42 | 5.15 | 3.53 | 0.68 | 0 | 0 | 25.04 | |
| 50 | 0 | 0 | 0 | 1.89 | 3.88 | 5.9 | 5.96 | 6.03 | 3.19 | 3 | 0.22 | 0 | 30.08 | |
| 51 | 0 | 0 | 0 | 0.52 | 4.04 | 5.31 | 6.94 | 4.79 | 3.86 | 0.97 | 0 | 0 | 26.43 | |
| 52 | 0 | 0 | 0 | 0.56 | 4.07 | 5.01 | 5.7 | 4.21 | 3.46 | 1.47 | 0 | 0 | 24.49 | |
| 53 | 0 | 0 | 0 | 0 | 2.33 | 5.89 | 6.98 | 5.39 | 4.3 | 1.64 | 0 | 0 | 26.53 | |
| 54 | 0 | 0 | 0 | 2.16 | 3.59 | 5.83 | 5.68 | 5.38 | 3.17 | 1.95 | 0 | 0 | 27.76 | |
| 55 | 0 | 0 | 0 | 0.23 | 3.69 | 5.02 | 4.52 | 4.23 | 4.34 | 0.72 | 0 | 0 | 22.75 | |
| 56 | 0 | 0 | 0 | 0.49 | 4.25 | 6.7 | 4.12 | 5.13 | 4.51 | 1.57 | 0 | 0 | 26.77 | |
| 57 | 0 | 0 | 0 | 0 | 2.54 | 5.37 | 4.04 | 4.36 | 3.98 | 0.46 | 0 | 0 | 20.75 | |
| 58 | 0 | 0 | 0 | 0.63 | 4.5 | 6.44 | 6.29 | 4.73 | 2.38 | 1.41 | 0 | 0 | 26.39 | |
| 59 | 0 | 0 | 0 | 1.26 | 3.8 | 6.61 | 6.06 | 4.04 | 3.65 | 0.34 | 0.2 | 0 | 25.95 | |
| 60 | 0 | 0 | 0 | 1.08 | 3.55 | 6.14 | 6.86 | 6.37 | 3.85 | 0.28 | 0 | 0 | 28.13 | |
| 61 | 0 | 0 | 0 | 0.86 | 4.09 | 6.86 | 5.86 | 3.9 | 3.26 | 0.53 | 0 | 0 | 25.35 | |
| 62 | 0 | 0 | 0 | 1.78 | 3.78 | 5.96 | 6.96 | 6.11 | 2.74 | 0.4 | 0.17 | 0 | 27.92 | |
| 63 | 0 | 0 | 0 | 1.01 | 4.51 | 5.88 | 7.24 | 2.06 | 3.45 | 1.39 | 0.28 | 0 | 25.82 | |
| 64 | 0 | 0 | 0 | 0.31 | 4.22 | 5.94 | 5.08 | 3.94 | 3.13 | 2.24 | 0 | 0 | 24.87 | |
| 65 | 0 | 0 | 0 | 0.39 | 3.17 | 4.05 | 4.27 | 4.58 | 3.14 | 0.09 | 0 | 0 | 19.7 | |
| 66 | 0 | 0 | 0 | 1.42 | 4.79 | 6.23 | 6.55 | 4.26 | 2.01 | 1.25 | 0 | 0 | 26.5 | |
| 67 | 0 | 0 | 0 | 0.56 | 3.65 | 5.24 | 4.96 | 3 | 2.54 | 1.28 | 0 | 0 | 21.22 | |
| 68 | 0 | 0 | 0 | 0.29 | 3.45 | 5.89 | 4.92 | 3.16 | 3.71 | 1.16 | 0 | 0 | 22.58 | |
| 69 | 0 | 0 | 0 | 1.19 | 3.24 | 5.83 | 5.28 | 5.36 | 2.84 | 0.31 | 0 | 0 | 24.05 | |
| 70 | 0 | 0 | 0 | 0.03 | 4.13 | 5.28 | 6.01 | 5.16 | 2.47 | 0.51 | 0 | 0 | 23.57 | |
| 71 | 0 | 0 | 0 | 0.02 | 3.48 | 6.05 | 6.66 | 3.17 | 1.4 | 0.57 | 0 | 0 | 21.35 | |
| 72 | 0 | 0 | 0 | 0.75 | 3.55 | 4.54 | 6.8 | 5.39 | 3.48 | 0 | 0 | 0 | 24.5 | |
| 73 | 0 | 0 | 0 | 0 | 2.66 | 4.91 | 4.23 | 4.71 | 2.64 | 0 | 0 | 0 | 19.15 | |
| 74 | 0 | 0 | 0 | 0.03 | 4.06 | 6.38 | 5.53 | 3.73 | 2.94 | 0 | 0 | 0 | 22.67 | |
| 75 | 0 | 0 | 0 | 0 | 2.54 | 5.33 | 5.11 | 4.97 | 1.8 | 1.16 | 0 | 0 | 20.91 | |
| 76 | 0 | 0 | 0 | 0.81 | 3.82 | 5.75 | 4.15 | 4.85 | 3.47 | 0.4 | 0 | 0 | 23.24 | |
| 77 | 0 | 0 | 0 | 0.81 | 3.64 | 6.19 | 5.5 | 3.13 | 3.16 | 2.15 | 0.05 | 0 | 24.63 | |
| 78 | 0 | 0 | 0 | 0.43 | 2.95 | 6.09 | 6.82 | 4.86 | 3.19 | 1.77 | 0 | 0 | 26.11 | |
| 79 | 0 | 0 | 0 | 1.03 | 2.56 | 5.73 | 5.78 | 4.39 | 4.31 | 1.44 | 0 | 0 | 25.24 | |
| 80 | 0 | 0 | 0 | 0.17 | 3.14 | 5.88 | 6.43 | 4.87 | 3.73 | 1.26 | 0 | 0 | 25.48 | |
| 81 | 0 | 0 | 0 | 1.48 | 3.03 | 6.08 | 4.41 | 4.09 | 2.8 | 0.93 | 0 | 0 | 22.81 | |
| 82 | 0 | 0 | 0 | 0 | 2.86 | 5.17 | 4.53 | 2.21 | 2.53 | 0.17 | 0 | 0 | 17.46 | |
| 83 | 0 | 0 | 0 | 0 | 2.9 | 4.91 | 4.08 | 3.37 | 2.84 | 0.66 | 0 | 0 | 18.77 | |
| 84 | 0 | 0 | 0 | 0.47 | 4.6 | 5.83 | 5.84 | 4.43 | 1.09 | 0.47 | 0 | 0 | 22.74 | |
| 85 | 0 | 0 | 0 | 0.73 | 4.11 | 5.99 | 5.31 | 6.05 | 2.63 | 1.47 | 0 | 0 | 26.29 | |
| 86 | 0 | 0 | 0 | 0.74 | 3.63 | 5.51 | 4.73 | 3.91 | 2.65 | 0.57 | 0 | 0 | 21.74 | |
| 87 | 0 | 0 | 0 | 0.99 | 3.19 | 4.57 | 4 | 4.17 | 3.49 | 1.12 | 0 | 0 | 21.52 | |
| 88 | 0 | 0 | 0 | 0.21 | 3.55 | 4.78 | 6.3 | 1.92 | 2.45 | 0 | 0 | 0 | 19.2 | |
| 89 | 0 | 0 | 0 | 2.66 | 4.2 | 5.79 | 5.02 | 4.39 | 4.12 | 0.89 | 0 | 0 | 27.08 | |
| 90 | 0 | 0 | 0 | 1.37 | 2.9 | 6.48 | 6.38 | 3.87 | 2.78 | 0.68 | 0 | 0 | 24.46 | |
| 91 | 0 | 0 | 0 | 0.14 | 3.66 | 4.67 | 6.8 | 4.39 | 3.32 | 1.59 | 0 | 0 | 24.57 | |
| 92 | 0 | 0 | 0 | 1.98 | 1.84 | 5.26 | 3.15 | 3.69 | 3.58 | 0.53 | 0 | 0 | 20.03 | |
| 93 | 0 | 0 | 0 | 0.81 | 3.8 | 5.77 | 6.81 | 3.51 | 3.95 | 1.07 | 0 | 0 | 25.72 | |
| 94 | 0 | 0 | 0 | 0.81 | 3.32 | 6.07 | 6.09 | 6.1 | 2.99 | 0.24 | 0 | 0 | 25.63 | |
| 95 | 0 | 0 | 0 | 0 | 2.63 | 5.52 | 6.83 | 5.1 | 4.19 | 0.48 | 0 | 0 | 24.76 | |
| 96 | 0 | 0 | 0 | 1.57 | 4.62 | 6.22 | 5.34 | 5.01 | 1.82 | 1.08 | 0 | 0 | 25.66 | |
| 97 | 0 | 0 | 0 | 0.4 | 3.75 | 4.53 | 6.27 | 3.57 | 4 | 0.9 | 0 | 0 | 23.41 | |
| 98 | 0 | 0 | 0 | 0.06 | 3.78 | 5.31 | 4.73 | 5.24 | 3.64 | 0.23 | 0 | 0 | 22.99 | |
| 99 | 0 | 0 | 0 | 0.32 | 3.4 | 5.55 | 4.78 | 3.46 | 3.33 | 1.48 | 0 | 0 | 22.33 | |
| 0 | 0 | 0 | 0 | 2.14 | 4.81 | 5.86 | 8.03 | 4.91 | 4.35 | 0.96 | 0.04 | 0 | 31.09 | |
| 1 | 0 | 0 | 0 | 1.21 | 4.45 | 6.45 | 6.15 | 3.62 | 3.85 | 1.1 | 0 | 0 | 26.84 | |
| 2 | 0 | 0 | 0 | 1.89 | 4.16 | 6.51 | 6.78 | 4.66 | 2.08 | 0.29 | 0 | 0 | 26.37 | |
| 3 | 0 | 0 | 0 | 0.76 | 4.58 | 6.27 | 7.44 | 5.89 | 3.9 | 1.74 | 0 | 0 | 30.58 | |
| 4 | 0 | 0 | 0 | 1.12 | 4.31 | 6.23 | 6.79 | 5.02 | 2.48 | 0 | 0 | 0 | 25.94 | |
| 5 | 0 | 0 | 0 | 0.77 | 4.21 | 5.5 | 7.03 | 5.08 | 4.07 | 1.39 | 0 | 0 | 28.04 | |
| 6 | 0 | 0 | 0 | 1.5 | 4.49 | 6.22 | 5.74 | 4.17 | 1.53 | 0 | 0 | 0 | 23.65 | |
| 7 | 0 | 0 | 0 | 0.43 | 2.91 | 5.9 | 5.5 | 3.12 | 3.19 | 0 | 0 | 0 | 21.06 | |
| 8 | 0 | 0 | 0 | 0.17 | 2.33 | 5.92 | 5.16 | 4.88 | 3.44 | 0.37 | 0 | 0 | 22.28 | |
| AV | 0 | 0 | 0 | 0.78 | 3.63 | 5.7 | 5.71 | 4.42 | 3.18 | 0.88 | 0.02 | 0 | 24.32 | |

MODIFIED B-C GROSS CONSUMPTIVE USE

Zuni Weather Station

Corn Grain

| Year | Crop Potential Evapotranspiration (inches) | | | | | | | | | | | | |
|------|--|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
| 49 | 0 | 0 | 0 | 0 | 1.52 | 3.62 | 6.82 | 6.08 | 3.36 | 0 | 0 | 0 | 21.4 |
| 50 | 0 | 0 | 0 | 0 | 1.38 | 3.58 | 6.67 | 6.01 | 2.94 | 0 | 0 | 0 | 20.58 |
| 51 | 0 | 0 | 0 | 0 | 1.33 | 3.12 | 7.15 | 6.18 | 3.42 | 0 | 0 | 0 | 21.19 |
| 52 | 0 | 0 | 0 | 0 | 1.58 | 3.86 | 6.69 | 6.07 | 1.79 | 0 | 0 | 0 | 19.98 |
| 53 | 0 | 0 | 0 | 0 | 0.42 | 2.95 | 5.93 | 6.08 | 4.27 | 0.89 | 0 | 0 | 20.54 |
| 54 | 0 | 0 | 0 | 0.3 | 2.12 | 4.44 | 7.26 | 5.51 | 1.5 | 0 | 0 | 0 | 21.13 |
| 55 | 0 | 0 | 0 | 0 | 1.02 | 3.09 | 5.94 | 6.31 | 4.1 | 0.04 | 0 | 0 | 20.51 |
| 56 | 0 | 0 | 0 | 0 | 1.56 | 4.04 | 6.3 | 5.74 | 3.41 | 0 | 0 | 0 | 21.05 |
| 57 | 0 | 0 | 0 | 0 | 0.67 | 3.02 | 5.82 | 5.95 | 3.88 | 0.49 | 0 | 0 | 19.83 |
| 58 | 0 | 0 | 0 | 0 | 1.87 | 4.18 | 6.73 | 6.47 | 2.82 | 0 | 0 | 0 | 22.07 |
| 59 | 0 | 0 | 0 | 0 | 1.17 | 3.77 | 6.8 | 5.91 | 3.08 | 0 | 0 | 0 | 20.72 |
| 60 | 0 | 0 | 0 | 0 | 1.3 | 3.85 | 6.93 | 6.69 | 3.86 | 0 | 0 | 0 | 22.63 |
| 61 | 0 | 0 | 0 | 0 | 1.5 | 4.14 | 7.05 | 6.17 | 2.96 | 0 | 0 | 0 | 21.81 |
| 62 | 0 | 0 | 0 | 0 | 1.26 | 3.5 | 6.9 | 6.62 | 3.64 | 0 | 0 | 0 | 21.92 |
| 63 | 0 | 0 | 0 | 0 | 1.89 | 3.77 | 7.41 | 5.78 | 2.88 | 0 | 0 | 0 | 21.74 |
| 64 | 0 | 0 | 0 | 0 | 1.45 | 3.54 | 7.21 | 6.09 | 3.27 | 0 | 0 | 0 | 21.57 |
| 65 | 0 | 0 | 0 | 0 | 0.75 | 2.77 | 6.4 | 6.02 | 2.49 | 0 | 0 | 0 | 18.42 |
| 66 | 0 | 0 | 0 | 0.13 | 2.29 | 4.49 | 7.62 | 6.16 | 2 | 0 | 0 | 0 | 22.67 |
| 67 | 0 | 0 | 0 | 0 | 1.12 | 3.27 | 6.82 | 6.03 | 3.82 | 0 | 0 | 0 | 21.07 |
| 68 | 0 | 0 | 0 | 0 | 1.17 | 3.43 | 6.33 | 5.47 | 3.51 | 0 | 0 | 0 | 19.91 |
| 69 | 0 | 0 | 0 | 0 | 1.75 | 3.67 | 7.25 | 6.74 | 2.92 | 0 | 0 | 0 | 22.34 |
| 70 | 0 | 0 | 0 | 0 | 1.32 | 3.44 | 6.93 | 6.5 | 3.23 | 0 | 0 | 0 | 21.41 |
| 71 | 0 | 0 | 0 | 0 | 0.73 | 3.29 | 6.88 | 5.84 | 2.33 | 0 | 0 | 0 | 19.07 |
| 72 | 0 | 0 | 0 | 0 | 1.22 | 3.33 | 6.95 | 6.06 | 3.47 | 0 | 0 | 0 | 21.03 |
| 73 | 0 | 0 | 0 | 0 | 0.72 | 2.97 | 6.46 | 5.27 | 0.36 | 0 | 0 | 0 | 15.79 |
| 74 | 0 | 0 | 0 | 0 | 1.29 | 3.69 | 6.21 | 5.65 | 3.13 | 0 | 0 | 0 | 19.98 |
| 75 | 0 | 0 | 0 | 0 | 0.39 | 2.59 | 5.42 | 5.79 | 3.59 | 0.33 | 0 | 0 | 18.11 |
| 76 | 0 | 0 | 0 | 0 | 1.44 | 3.42 | 6.5 | 5.72 | 3.12 | 0 | 0 | 0 | 20.21 |
| 77 | 0 | 0 | 0 | 0 | 1.01 | 3.44 | 6.11 | 6.22 | 3.91 | 0.1 | 0 | 0 | 20.78 |
| 78 | 0 | 0 | 0 | 0 | 0.71 | 3.09 | 6.15 | 5.4 | 3.36 | 0.46 | 0 | 0 | 19.18 |
| 79 | 0 | 0 | 0 | 0 | 1.27 | 3.32 | 6.3 | 5.51 | 3.61 | 0 | 0 | 0 | 20.01 |
| 80 | 0 | 0 | 0 | 0 | 0.57 | 2.92 | 5.74 | 5.78 | 4.03 | 0.63 | 0 | 0 | 19.67 |
| 81 | 0 | 0 | 0 | 0 | 1.13 | 3.54 | 6.1 | 5.91 | 3.49 | 0 | 0 | 0 | 20.17 |
| 82 | 0 | 0 | 0 | 0 | 0.53 | 2.62 | 5.46 | 5.93 | 3.46 | 0 | 0 | 0 | 18 |
| 83 | 0 | 0 | 0 | 0 | 0.65 | 2.59 | 5.72 | 5.54 | 3.69 | 0.47 | 0 | 0 | 18.66 |
| 84 | 0 | 0 | 0 | 0 | 1.82 | 3.67 | 6.96 | 5.91 | 2.8 | 0 | 0 | 0 | 21.15 |
| 85 | 0 | 0 | 0 | 0 | 1.59 | 3.78 | 6.87 | 6.06 | 2.57 | 0 | 0 | 0 | 20.87 |
| 86 | 0 | 0 | 0 | 0 | 1.26 | 3.58 | 6.32 | 6.48 | 3.18 | 0 | 0 | 0 | 20.81 |
| 87 | 0 | 0 | 0 | 0 | 0.94 | 3.36 | 5.96 | 5.51 | 1.83 | 0 | 0 | 0 | 17.59 |
| 88 | 0 | 0 | 0 | 0 | 1.1 | 3.46 | 6.77 | 5.96 | 2.23 | 0 | 0 | 0 | 19.53 |
| 89 | 0 | 0 | 0 | 0.36 | 2.15 | 4.48 | 7.3 | 5.44 | 1.32 | 0 | 0 | 0 | 21.05 |
| 90 | 0 | 0 | 0 | 0 | 0.96 | 3.54 | 6.09 | 5.77 | 4.24 | 0.18 | 0 | 0 | 20.78 |
| 91 | 0 | 0 | 0 | 0 | 0.86 | 2.86 | 6.23 | 6.36 | 3.9 | 0.24 | 0 | 0 | 20.45 |
| 92 | 0 | 0 | 0 | 0 | 1.7 | 3.5 | 6.2 | 5.68 | 2.58 | 0 | 0 | 0 | 19.66 |
| 93 | 0 | 0 | 0 | 0 | 1.52 | 3.48 | 6.38 | 6.1 | 3.01 | 0 | 0 | 0 | 20.5 |
| 94 | 0 | 0 | 0 | 0 | 1.61 | 4.14 | 7.45 | 7.48 | 3.13 | 0 | 0 | 0 | 23.81 |
| 95 | 0 | 0 | 0 | 0 | 0.56 | 2.78 | 6.07 | 7.17 | 4.07 | 0 | 0 | 0 | 20.64 |
| 96 | 0 | 0 | 0 | 0.04 | 2.15 | 4.54 | 7.56 | 6.31 | 2.01 | 0 | 0 | 0 | 22.62 |
| 97 | 0 | 0 | 0 | 0 | 1.74 | 3.6 | 6.78 | 6.51 | 3.33 | 0 | 0 | 0 | 21.97 |
| 98 | 0 | 0 | 0 | 0 | 1 | 2.9 | 6.76 | 6.8 | 4.47 | 0.06 | 0 | 0 | 21.97 |
| 99 | 0 | 0 | 0 | 0 | 1.19 | 3.34 | 6.62 | 6.19 | 3.77 | 0 | 0 | 0 | 21.12 |
| 0 | 0 | 0 | 0 | 0.29 | 2.38 | 5.18 | 7.79 | 6.24 | 1.73 | 0 | 0 | 0 | 23.6 |
| 1 | 0 | 0 | 0 | 0 | 2.11 | 4.39 | 7.34 | 6.21 | 2.48 | 0 | 0 | 0 | 22.54 |
| 2 | 0 | 0 | 0 | 0.15 | 1.99 | 4.85 | 7.59 | 5.9 | 1.86 | 0 | 0 | 0 | 22.33 |
| 3 | 0 | 0 | 0 | 0 | 1.88 | 4.02 | 7.89 | 6.42 | 2.87 | 0 | 0 | 0 | 23.08 |
| 4 | 0 | 0 | 0 | 0 | 1.79 | 4.07 | 6.77 | 5.94 | 2.63 | 0 | 0 | 0 | 21.2 |
| 5 | 0 | 0 | 0 | 0 | 1.69 | 3.47 | 7.26 | 5.89 | 2.99 | 0 | 0 | 0 | 21.3 |
| 6 | 0 | 0 | 0 | 0 | 2.09 | 4.52 | 6.99 | 5.46 | 1.87 | 0 | 0 | 0 | 20.93 |
| 7 | 0 | 0 | 0 | 0 | 1.23 | 3.41 | 6.62 | 6 | 3.04 | 0 | 0 | 0 | 20.3 |
| 8 | 0 | 0 | 0 | 0 | 0.77 | 3.27 | 6.35 | 5.79 | 1.76 | 0 | 0 | 0 | 17.94 |
| AV | 0 | 0 | 0 | 0.02 | 1.34 | 3.58 | 6.66 | 6.05 | 3.01 | 0.06 | 0 | 0 | 20.71 |

EFFECTIVE PRECIPITATION, Inches

Zuni Weather Station

| YR | Corn Grain | | | | | | | | | | | | | ANNUAL |
|----|------------|-----|-----|-----|---------|---------|-------|---------|---------|---------|-----|-----|---------|--------|
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | | |
| 49 | 0 | 0 | 0 | 0 | 0 | 0.93 | 1.75 | 1 | 0.78 | 0 | 0 | 0 | 4.46 | |
| 50 | 0 | 0 | 0 | 0 | 0 | 0.09 | 1.19 | 0 | 0.39 | 0 | 0 | 0 | 1.67 | |
| 51 | 0 | 0 | 0 | 0 | 0 | 0 | 0.8 | 1.39 | 0.22 | 0 | 0 | 0 | 2.41 | |
| 52 | 0 | 0 | 0 | 0 | 0.04 | 0.88 | 1.27 | 2.1 | 0.24 | 0 | 0 | 0 | 4.53 | |
| 53 | 0 | 0 | 0 | 0 | 0 | 0.17 | 0.49 | 0.58 | 0 | 0.08 | 0 | 0 | 1.32 | |
| 54 | 0 | 0 | 0 | 0 | 0.61 | 0 | 1.79 | 0.48 | 0.34 | 0 | 0 | 0 | 3.22 | |
| 55 | 0 | 0 | 0 | 0 | 0 | 0.49 | 2.08 | 2.05 | 0 | 0 | 0 | 0 | 4.62 | |
| 56 | 0 | 0 | 0 | 0 | 0 | 0 | 2.54 | 0.66 | 0 | 0 | 0 | 0 | 3.2 | |
| 57 | 0 | 0 | 0 | 0 | 0.27 | 0.49 | 2.73 | 1.52 | 0 | 0.3 | 0 | 0 | 5.31 | |
| 58 | 0 | 0 | 0 | 0 | 0.06 | 0.19 | 0.78 | 1.86 | 1.18 | 0 | 0 | 0 | 4.07 | |
| 59 | 0 | 0 | 0 | 0 | 0 | 0 | 1.36 | 1.87 | 0.13 | 0 | 0 | 0 | 3.36 | |
| 60 | 0 | 0 | 0 | 0 | 0.19 | 0.43 | 0.7 | 0.31 | 0.59 | 0 | 0 | 0 | 2.22 | |
| 61 | 0 | 0 | 0 | 0 | 0 | 0 | 1.62 | 2.32 | 0.39 | 0 | 0 | 0 | 4.33 | |
| 62 | 0 | 0 | 0 | 0 | 0 | 0 | 0.52 | 0.51 | 1.36 | 0 | 0 | 0 | 2.39 | |
| 63 | 0 | 0 | 0 | 0 | 0 | 0 | 0.53 | 3.83 | 0.73 | 0 | 0 | 0 | 5.09 | |
| 64 | 0 | 0 | 0 | 0 | 0 | 0 | 2.59 | 2.17 | 0.77 | 0 | 0 | 0 | 5.53 | |
| 65 | 0 | 0 | 0 | 0 | 0.13 | 0.96 | 2.75 | 1.45 | 0.27 | 0 | 0 | 0 | 5.56 | |
| 66 | 0 | 0 | 0 | 0 | 0 | 0 | 1.34 | 2.18 | 1.01 | 0 | 0 | 0 | 4.53 | |
| 67 | 0 | 0 | 0 | 0 | 0.07 | 0.5 | 2.54 | 3.01 | 1.55 | 0 | 0 | 0 | 7.67 | |
| 68 | 0 | 0 | 0 | 0 | 0.22 | 0.18 | 2.06 | 2.29 | 0.16 | 0 | 0 | 0 | 4.91 | |
| 69 | 0 | 0 | 0 | 0 | 0.8 | 0 | 2.31 | 1.51 | 0.99 | 0 | 0 | 0 | 5.61 | |
| 70 | 0 | 0 | 0 | 0 | 0 | 0.58 | 1.53 | 1.34 | 1.13 | 0 | 0 | 0 | 4.58 | |
| 71 | 0 | 0 | 0 | 0 | 0 | 0 | 0.87 | 2.73 | 1.43 | 0 | 0 | 0 | 5.03 | |
| 72 | 0 | 0 | 0 | 0 | 0.18 | 1.06 | 0.79 | 0.67 | 0.45 | 0 | 0 | 0 | 3.15 | |
| 73 | 0 | 0 | 0 | 0 | 0.21 | 0.17 | 2.49 | 0.95 | 0 | 0 | 0 | 0 | 3.82 | |
| 74 | 0 | 0 | 0 | 0 | 0 | 0 | 1.24 | 1.91 | 0.44 | 0 | 0 | 0 | 3.59 | |
| 75 | 0 | 0 | 0 | 0 | 0 | 0 | 1.47 | 0.74 | 1.88 | 0 | 0 | 0 | 4.09 | |
| 76 | 0 | 0 | 0 | 0 | 0.16 | 0 | 2.77 | 0.9 | 0.39 | 0 | 0 | 0 | 4.22 | |
| 77 | 0 | 0 | 0 | 0 | 0 | 0.09 | 1.39 | 3.05 | 0.95 | 0 | 0 | 0 | 5.48 | |
| 78 | 0 | 0 | 0 | 0 | 0.14 | 0 | 0.49 | 0.47 | 0.26 | 0 | 0 | 0 | 1.36 | |
| 79 | 0 | 0 | 0 | 0 | 0.83 | 0 | 1.09 | 1.11 | 0 | 0 | 0 | 0 | 3.03 | |
| 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0.57 | 0.82 | 0.36 | 0 | 0 | 0 | 1.75 | |
| 81 | 0 | 0 | 0 | 0 | 0.38 | 0.18 | 2.31 | 1.8 | 0.96 | 0 | 0 | 0 | 5.63 | |
| 82 | 0 | 0 | 0 | 0 | 0.09 | 0 | 1.76 | 3.69 | 1.24 | 0 | 0 | 0 | 6.78 | |
| 83 | 0 | 0 | 0 | 0 | 0.04 | 0.17 | 2.58 | 2.1 | 0.94 | 0.11 | 0 | 0 | 5.94 | |
| 84 | 0 | 0 | 0 | 0 | 0 | 0 | 1.45 | 1.59 | 2.07 | 0 | 0 | 0 | 5.11 | |
| 85 | 0 | 0 | 0 | 0 | 0 | 0.09 | 1.9 | 0.11 | 0.62 | 0 | 0 | 0 | 2.72 | |
| 86 | 0 | 0 | 0 | 0 | 0.14 | 0.58 | 2.13 | 2.56 | 0.89 | 0 | 0 | 0 | 6.3 | |
| 87 | 0 | 0 | 0 | 0 | 0.2 | 1.13 | 2.29 | 1.48 | 0.04 | 0 | 0 | 0 | 5.14 | |
| 88 | 0 | 0 | 0 | 0 | 0.11 | 1.06 | 0.95 | 4.11 | 0.59 | 0 | 0 | 0 | 6.82 | |
| 89 | 0 | 0 | 0 | 0 | 0.08 | 0 | 2.47 | 1.4 | 0 | 0 | 0 | 0 | 3.95 | |
| 90 | 0 | 0 | 0 | 0 | 0.34 | 0.09 | 0.58 | 1.85 | 1.64 | 0 | 0 | 0 | 4.5 | |
| 91 | 0 | 0 | 0 | 0 | 0 | 0.63 | 0.4 | 1.92 | 0.74 | 0 | 0 | 0 | 3.69 | |
| 92 | 0 | 0 | 0 | 0 | 1.7 | 0.18 | 3.3 | 2.11 | 0.25 | 0 | 0 | 0 | 7.54 | |
| 93 | 0 | 0 | 0 | 0 | 0.23 | 0 | 0 | 2.63 | 0 | 0 | 0 | 0 | 2.86 | |
| 94 | 0 | 0 | 0 | 0 | 0.58 | 0.52 | 1.73 | 1.49 | 0.89 | 0 | 0 | 0 | 5.21 | |
| 95 | 0 | 0 | 0 | 0 | 0.13 | 0 | 0.31 | 2.01 | 0.1 | 0 | 0 | 0 | 2.55 | |
| 96 | 0 | 0 | 0 | 0 | 0 | 0.28 | 2.5 | 1.55 | 0.95 | 0 | 0 | 0 | 5.28 | |
| 97 | 0 | 0 | 0 | 0 | 0.5 | 1.13 | 0.86 | 3.03 | 0.56 | 0 | 0 | 0 | 6.08 | |
| 98 | 0 | 0 | 0 | 0 | 0 | 0 | 2.81 | 1.52 | 1.06 | 0 | 0 | 0 | 5.39 | |
| 99 | 0 | 0 | 0 | 0 | 0.27 | 0.26 | 2.44 | 2.72 | 0.82 | 0 | 0 | 0 | 6.51 | |
| 0 | 0 | 0 | 0 | 0 | 0 | 0.87 | 0 | 1.69 | 0.07 | 0 | 0 | 0 | 2.63 | |
| 1 | 0 | 0 | 0 | 0 | 0.08 | 0 | 1.48 | 2.78 | 0.33 | 0 | 0 | 0 | 4.67 | |
| 2 | 0 | 0 | 0 | 0 | 0 | 0.2 | 1.08 | 1.52 | 0.85 | 0 | 0 | 0 | 3.65 | |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0.84 | 0.68 | 0.26 | 0 | 0 | 0 | 1.78 | |
| 4 | 0 | 0 | 0 | 0 | 0 | 0.1 | 0.32 | 1.06 | 0.56 | 0 | 0 | 0 | 2.04 | |
| 5 | 0 | 0 | 0 | 0 | 0.06 | 0.09 | 0.62 | 0.9 | 0.16 | 0 | 0 | 0 | 1.83 | |
| 6 | 0 | 0 | 0 | 0 | 0 | 0.37 | 1.53 | 1.48 | 0.56 | 0 | 0 | 0 | 3.94 | |
| 7 | 0 | 0 | 0 | 0 | 0.59 | 0 | 1.65 | 2.89 | 0.19 | 0 | 0 | 0 | 5.32 | |
| 8 | 0 | 0 | 0 | 0 | 0.46 | 0 | 1.63 | 1.05 | 0.07 | 0 | 0 | 0 | 3.21 | |
| AV | 0 | 0 | 0 | 0 | 0.16483 | 0.25233 | 1.506 | 1.69167 | 0.59667 | 0.00817 | 0 | 0 | 4.21967 | |

MODIFIED B-C CONSUMPTIVE USE OF IRRIGATION WATER

Zuni Weather Station

Corn Grain

| Year | Crop Irrigation Requirement (inches) | | | | | | | | | | | | | Total |
|------|--------------------------------------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|-------|
| | January | February | March | April | May | June | July | August | September | October | November | December | | |
| 49 | 0 | 0 | 0 | 0 | 1.52 | 2.69 | 5.07 | 5.08 | 2.58 | 0 | 0 | 0 | 16.95 | |
| 50 | 0 | 0 | 0 | 0 | 1.38 | 3.49 | 5.48 | 6.01 | 2.55 | 0 | 0 | 0 | 18.9 | |
| 51 | 0 | 0 | 0 | 0 | 1.33 | 3.12 | 6.35 | 4.79 | 3.2 | 0 | 0 | 0 | 18.78 | |
| 52 | 0 | 0 | 0 | 0 | 1.54 | 2.98 | 5.42 | 3.97 | 1.55 | 0 | 0 | 0 | 15.46 | |
| 53 | 0 | 0 | 0 | 0 | 0.42 | 2.78 | 5.44 | 5.5 | 4.27 | 0.81 | 0 | 0 | 19.23 | |
| 54 | 0 | 0 | 0 | 0.3 | 1.51 | 4.44 | 5.47 | 5.03 | 1.16 | 0 | 0 | 0 | 17.92 | |
| 55 | 0 | 0 | 0 | 0 | 1.02 | 2.6 | 3.86 | 4.26 | 4.1 | 0.04 | 0 | 0 | 15.88 | |
| 56 | 0 | 0 | 0 | 0 | 1.56 | 4.04 | 3.76 | 5.08 | 3.41 | 0 | 0 | 0 | 17.86 | |
| 57 | 0 | 0 | 0 | 0 | 0.4 | 2.53 | 3.09 | 4.43 | 3.88 | 0.19 | 0 | 0 | 14.53 | |
| 58 | 0 | 0 | 0 | 0 | 1.81 | 3.99 | 5.95 | 4.61 | 1.64 | 0 | 0 | 0 | 18.01 | |
| 59 | 0 | 0 | 0 | 0 | 1.17 | 3.77 | 5.44 | 4.04 | 2.95 | 0 | 0 | 0 | 17.36 | |
| 60 | 0 | 0 | 0 | 0 | 1.11 | 3.42 | 6.23 | 6.38 | 3.27 | 0 | 0 | 0 | 20.4 | |
| 61 | 0 | 0 | 0 | 0 | 1.5 | 4.14 | 5.43 | 3.85 | 2.57 | 0 | 0 | 0 | 17.5 | |
| 62 | 0 | 0 | 0 | 0 | 1.26 | 3.5 | 6.38 | 6.11 | 2.28 | 0 | 0 | 0 | 19.54 | |
| 63 | 0 | 0 | 0 | 0 | 1.89 | 3.77 | 6.88 | 1.95 | 2.15 | 0 | 0 | 0 | 16.64 | |
| 64 | 0 | 0 | 0 | 0 | 1.45 | 3.54 | 4.62 | 3.92 | 2.5 | 0 | 0 | 0 | 16.03 | |
| 65 | 0 | 0 | 0 | 0 | 0.62 | 1.81 | 3.65 | 4.57 | 2.22 | 0 | 0 | 0 | 12.87 | |
| 66 | 0 | 0 | 0 | 0.13 | 2.29 | 4.49 | 6.28 | 3.98 | 0.99 | 0 | 0 | 0 | 18.16 | |
| 67 | 0 | 0 | 0 | 0 | 1.05 | 2.77 | 4.28 | 3.02 | 2.27 | 0 | 0 | 0 | 13.39 | |
| 68 | 0 | 0 | 0 | 0 | 0.95 | 3.25 | 4.27 | 3.18 | 3.35 | 0 | 0 | 0 | 15 | |
| 69 | 0 | 0 | 0 | 0 | 0.95 | 3.67 | 4.94 | 5.23 | 1.93 | 0 | 0 | 0 | 16.72 | |
| 70 | 0 | 0 | 0 | 0 | 1.32 | 2.86 | 5.4 | 5.16 | 2.1 | 0 | 0 | 0 | 16.85 | |
| 71 | 0 | 0 | 0 | 0 | 0.73 | 3.29 | 6.01 | 3.11 | 0.9 | 0 | 0 | 0 | 14.04 | |
| 72 | 0 | 0 | 0 | 0 | 1.04 | 2.27 | 6.16 | 5.39 | 3.02 | 0 | 0 | 0 | 17.88 | |
| 73 | 0 | 0 | 0 | 0 | 0.51 | 2.8 | 3.97 | 4.32 | 0.36 | 0 | 0 | 0 | 11.96 | |
| 74 | 0 | 0 | 0 | 0 | 1.29 | 3.69 | 4.97 | 3.74 | 2.69 | 0 | 0 | 0 | 16.38 | |
| 75 | 0 | 0 | 0 | 0 | 0.39 | 2.59 | 3.95 | 5.05 | 1.71 | 0.33 | 0 | 0 | 14.01 | |
| 76 | 0 | 0 | 0 | 0 | 1.28 | 3.42 | 3.73 | 4.82 | 2.73 | 0 | 0 | 0 | 15.99 | |
| 77 | 0 | 0 | 0 | 0 | 1.01 | 3.35 | 4.72 | 3.17 | 2.96 | 0.1 | 0 | 0 | 15.31 | |
| 78 | 0 | 0 | 0 | 0 | 0.57 | 3.09 | 5.66 | 4.93 | 3.1 | 0.46 | 0 | 0 | 17.81 | |
| 79 | 0 | 0 | 0 | 0 | 0.44 | 3.32 | 5.21 | 4.4 | 3.61 | 0 | 0 | 0 | 16.98 | |
| 80 | 0 | 0 | 0 | 0 | 0.57 | 2.92 | 5.17 | 4.96 | 3.67 | 0.63 | 0 | 0 | 17.92 | |
| 81 | 0 | 0 | 0 | 0 | 0.75 | 3.36 | 3.79 | 4.11 | 2.53 | 0 | 0 | 0 | 14.54 | |
| 82 | 0 | 0 | 0 | 0 | 0.44 | 2.62 | 3.7 | 2.24 | 2.22 | 0 | 0 | 0 | 11.23 | |
| 83 | 0 | 0 | 0 | 0 | 0.61 | 2.42 | 3.14 | 3.44 | 2.75 | 0.36 | 0 | 0 | 12.72 | |
| 84 | 0 | 0 | 0 | 0 | 1.82 | 3.67 | 5.51 | 4.32 | 0.73 | 0 | 0 | 0 | 16.04 | |
| 85 | 0 | 0 | 0 | 0 | 1.59 | 3.69 | 4.97 | 5.95 | 1.95 | 0 | 0 | 0 | 18.16 | |
| 86 | 0 | 0 | 0 | 0 | 1.12 | 3 | 4.19 | 3.92 | 2.29 | 0 | 0 | 0 | 14.52 | |
| 87 | 0 | 0 | 0 | 0 | 0.74 | 2.23 | 3.67 | 4.03 | 1.79 | 0 | 0 | 0 | 12.46 | |
| 88 | 0 | 0 | 0 | 0 | 0.99 | 2.4 | 5.82 | 1.85 | 1.64 | 0 | 0 | 0 | 12.69 | |
| 89 | 0 | 0 | 0 | 0.36 | 2.07 | 4.48 | 4.83 | 4.04 | 1.32 | 0 | 0 | 0 | 17.1 | |
| 90 | 0 | 0 | 0 | 0 | 0.62 | 3.45 | 5.51 | 3.92 | 2.6 | 0.18 | 0 | 0 | 16.27 | |
| 91 | 0 | 0 | 0 | 0 | 0.86 | 2.23 | 5.83 | 4.44 | 3.16 | 0.24 | 0 | 0 | 16.76 | |
| 92 | 0 | 0 | 0 | 0 | 0 | 3.32 | 2.9 | 3.57 | 2.33 | 0 | 0 | 0 | 12.11 | |
| 93 | 0 | 0 | 0 | 0 | 1.29 | 3.48 | 6.38 | 3.47 | 3.01 | 0 | 0 | 0 | 17.63 | |
| 94 | 0 | 0 | 0 | 0 | 1.03 | 3.62 | 5.72 | 5.99 | 2.24 | 0 | 0 | 0 | 18.59 | |
| 95 | 0 | 0 | 0 | 0 | 0.43 | 2.78 | 5.76 | 5.16 | 3.97 | 0 | 0 | 0 | 18.12 | |
| 96 | 0 | 0 | 0 | 0.04 | 2.15 | 4.26 | 5.06 | 4.76 | 1.06 | 0 | 0 | 0 | 17.34 | |
| 97 | 0 | 0 | 0 | 0 | 1.24 | 2.47 | 5.92 | 3.48 | 2.77 | 0 | 0 | 0 | 15.87 | |
| 98 | 0 | 0 | 0 | 0 | 1 | 2.9 | 3.95 | 5.28 | 3.41 | 0.06 | 0 | 0 | 16.6 | |
| 99 | 0 | 0 | 0 | 0 | 0.92 | 3.08 | 4.18 | 3.47 | 2.95 | 0 | 0 | 0 | 14.6 | |
| 0 | 0 | 0 | 0 | 0.29 | 2.38 | 4.31 | 7.79 | 4.55 | 1.66 | 0 | 0 | 0 | 20.97 | |
| 1 | 0 | 0 | 0 | 0 | 2.03 | 4.39 | 5.86 | 3.43 | 2.15 | 0 | 0 | 0 | 17.85 | |
| 2 | 0 | 0 | 0 | 0.15 | 1.99 | 4.65 | 6.51 | 4.38 | 1.01 | 0 | 0 | 0 | 18.69 | |
| 3 | 0 | 0 | 0 | 0 | 1.88 | 4.02 | 7.05 | 5.74 | 2.61 | 0 | 0 | 0 | 21.31 | |
| 4 | 0 | 0 | 0 | 0 | 1.79 | 3.97 | 6.45 | 4.88 | 2.07 | 0 | 0 | 0 | 19.16 | |
| 5 | 0 | 0 | 0 | 0 | 1.63 | 3.38 | 6.64 | 4.99 | 2.83 | 0 | 0 | 0 | 19.47 | |
| 6 | 0 | 0 | 0 | 0 | 2.09 | 4.15 | 5.46 | 3.98 | 1.31 | 0 | 0 | 0 | 16.99 | |
| 7 | 0 | 0 | 0 | 0 | 0.64 | 3.41 | 4.97 | 3.11 | 2.85 | 0 | 0 | 0 | 14.99 | |
| 8 | 0 | 0 | 0 | 0 | 0.31 | 3.27 | 4.72 | 4.74 | 1.69 | 0 | 0 | 0 | 14.74 | |
| AV | 0 | 0 | 0 | 0.02 | 1.17 | 3.32 | 5.16 | 4.35 | 2.41 | 0.06 | 0 | 0 | 16.5 | |

MODIFIED B-C GROSS CONSUMPTIVE USE

Zuni Weather Station

Pasture Grass/Hay

| Year | Crop Potential Evapotranspiration (inches) | | | | | | | | | | | | Total |
|------|--|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| | January | February | March | April | May | June | July | August | September | October | November | December | |
| 49 | 0 | 0 | 0.13 | 2.07 | 3.38 | 4.82 | 5.97 | 5.28 | 4.03 | 1.75 | 0.67 | 0 | 28.1 |
| 50 | 0 | 0 | 0.33 | 2.24 | 3.24 | 4.89 | 5.95 | 5.18 | 3.25 | 2.61 | 0.49 | 0 | 28.18 |
| 51 | 0 | 0 | 0 | 1.47 | 3.37 | 4.32 | 6.43 | 5.3 | 3.64 | 1.78 | 0 | 0 | 26.31 |
| 52 | 0 | 0 | 0 | 1.61 | 3.47 | 4.89 | 5.8 | 5.45 | 3.64 | 2.07 | 0 | 0 | 26.92 |
| 53 | 0 | 0 | 0 | 1.37 | 2.53 | 4.96 | 6.23 | 5.12 | 3.78 | 1.98 | 0.19 | 0 | 26.17 |
| 54 | 0 | 0 | 0.13 | 2.46 | 3.56 | 4.75 | 6.21 | 5.04 | 3.76 | 2.19 | 0.41 | 0 | 28.51 |
| 55 | 0 | 0 | 0 | 1.29 | 3.15 | 4.54 | 5.55 | 5.39 | 3.82 | 2.23 | 0.26 | 0 | 26.23 |
| 56 | 0 | 0 | 0 | 1.51 | 3.54 | 5.45 | 5.57 | 4.97 | 3.96 | 1.93 | 0 | 0 | 26.93 |
| 57 | 0 | 0 | 0 | 1.25 | 2.86 | 4.84 | 5.76 | 5.04 | 3.5 | 1.65 | 0 | 0 | 24.89 |
| 58 | 0 | 0 | 0 | 1.28 | 3.83 | 5.42 | 5.87 | 5.67 | 3.64 | 2 | 0.11 | 0 | 27.81 |
| 59 | 0 | 0 | 0 | 2.03 | 3.17 | 5.38 | 6.19 | 5.07 | 3.37 | 1.79 | 0.02 | 0 | 27.02 |
| 60 | 0 | 0 | 0.37 | 1.99 | 3.25 | 5.42 | 6.29 | 5.74 | 3.99 | 1.75 | 0.18 | 0 | 28.98 |
| 61 | 0 | 0 | 0 | 1.86 | 3.41 | 5.58 | 6.23 | 5.34 | 3.32 | 1.81 | 0 | 0 | 27.55 |
| 62 | 0 | 0 | 0 | 2.37 | 3.15 | 4.85 | 6.21 | 5.68 | 3.8 | 2.07 | 0.55 | 0 | 28.7 |
| 63 | 0 | 0 | 0 | 1.87 | 3.76 | 4.78 | 6.45 | 5.09 | 4.09 | 2.36 | 0.45 | 0 | 28.86 |
| 64 | 0 | 0 | 0 | 0.98 | 3.51 | 4.84 | 6.43 | 5.25 | 3.6 | 2.24 | 0.16 | 0 | 27.01 |
| 65 | 0 | 0 | 0 | 1.54 | 3 | 4.19 | 5.91 | 5.18 | 3.13 | 2.07 | 0.52 | 0 | 25.54 |
| 66 | 0 | 0 | 0.44 | 2.14 | 3.99 | 5.07 | 6.56 | 5.55 | 3.69 | 2.04 | 0.59 | 0 | 30.06 |
| 67 | 0 | 0 | 0.54 | 1.82 | 3.19 | 4.73 | 6.31 | 5.16 | 3.66 | 2.05 | 0.51 | 0 | 27.98 |
| 68 | 0 | 0 | 0 | 1.54 | 3.24 | 4.96 | 5.85 | 4.68 | 3.42 | 2 | 0.08 | 0 | 25.77 |
| 69 | 0 | 0 | 0 | 1.77 | 3.57 | 4.75 | 6.33 | 5.91 | 3.83 | 1.65 | 0 | 0 | 27.82 |
| 70 | 0 | 0 | 0 | 0.67 | 3.44 | 4.84 | 6.29 | 5.57 | 3.29 | 1.37 | 0 | 0 | 25.47 |
| 71 | 0 | 0 | 0 | 1.42 | 2.9 | 4.93 | 6.27 | 5.07 | 3.26 | 1.43 | 0 | 0 | 25.28 |
| 72 | 0 | 0 | 0.91 | 1.88 | 3.25 | 4.68 | 6.31 | 5.19 | 3.51 | 1.83 | 0 | 0 | 27.58 |
| 73 | 0 | 0 | 0 | 0.54 | 2.98 | 4.16 | 5.6 | 4.88 | 2.92 | 1.26 | 0 | 0 | 22.35 |
| 74 | 0 | 0 | 0 | 0.71 | 3.38 | 5.19 | 5.64 | 4.85 | 3.16 | 1.74 | 0 | 0 | 24.67 |
| 75 | 0 | 0 | 0 | 0.47 | 2.68 | 4.34 | 5.55 | 4.9 | 3.25 | 1.79 | 0 | 0 | 22.97 |
| 76 | 0 | 0 | 0 | 1.55 | 3.41 | 4.68 | 5.8 | 4.93 | 3.5 | 1.13 | 0 | 0 | 25 |
| 77 | 0 | 0 | 0 | 1.73 | 3.11 | 5.12 | 5.76 | 5.3 | 3.62 | 2.15 | 0.29 | 0 | 27.09 |
| 78 | 0 | 0 | 0.28 | 1.88 | 2.87 | 4.96 | 6.09 | 4.58 | 3.03 | 2.05 | 0.28 | 0 | 26.02 |
| 79 | 0 | 0 | 0 | 1.89 | 3.26 | 4.66 | 5.72 | 4.73 | 3.79 | 2.15 | 0 | 0 | 26.21 |
| 80 | 0 | 0 | 0 | 1.65 | 2.77 | 4.78 | 5.84 | 4.88 | 3.6 | 1.85 | 0.09 | 0 | 25.45 |
| 81 | 0 | 0 | 0.06 | 2.23 | 3.14 | 5.12 | 5.64 | 5.05 | 3.35 | 1.71 | 0.12 | 0 | 26.43 |
| 82 | 0 | 0 | 0 | 1.27 | 2.85 | 4.21 | 5.29 | 5.05 | 3.41 | 1.31 | 0 | 0 | 23.38 |
| 83 | 0 | 0 | 0 | 0.5 | 2.94 | 4.16 | 5.66 | 4.69 | 3.33 | 1.47 | 0 | 0 | 22.76 |
| 84 | 0 | 0 | 0 | 1.24 | 3.83 | 4.75 | 6.07 | 5.18 | 3.58 | 1.07 | 0 | 0 | 25.72 |
| 85 | 0 | 0 | 0.13 | 2.06 | 3.42 | 4.96 | 6.01 | 5.28 | 3.07 | 2 | 0.08 | 0 | 27.02 |
| 86 | 0 | 0 | 0.37 | 1.93 | 3.25 | 5.03 | 5.74 | 5.55 | 3.21 | 1.76 | 0.07 | 0 | 26.91 |
| 87 | 0 | 0 | 0 | 1.86 | 3.08 | 4.77 | 5.25 | 4.86 | 3.22 | 2.1 | 0.13 | 0 | 25.27 |
| 88 | 0 | 0 | 0 | 1.45 | 3.18 | 4.89 | 6.03 | 5.19 | 3.07 | 2.15 | 0.07 | 0 | 26.04 |
| 89 | 0 | 0 | 0.63 | 2.49 | 3.57 | 4.72 | 6.23 | 5 | 3.62 | 1.71 | 0 | 0 | 27.97 |
| 90 | 0 | 0 | 0.23 | 2.12 | 3.08 | 5.36 | 5.8 | 4.92 | 3.9 | 1.87 | 0.18 | 0 | 27.44 |
| 91 | 0 | 0 | 0 | 1.22 | 3.05 | 4.39 | 5.99 | 5.41 | 3.57 | 2.02 | 0.09 | 0 | 25.74 |
| 92 | 0 | 0 | 0.45 | 2.25 | 3.4 | 4.44 | 5.4 | 5 | 3.53 | 1.98 | 0 | 0 | 26.45 |
| 93 | 0 | 0 | 0.09 | 1.86 | 3.47 | 4.7 | 5.64 | 5.28 | 3.47 | 1.74 | 0 | 0 | 26.25 |
| 94 | 0 | 0 | 0.46 | 2 | 3.45 | 5.43 | 6.51 | 6.53 | 3.72 | 1.69 | 0 | 0 | 29.8 |
| 95 | 0 | 0 | 0 | 1.33 | 2.81 | 4.49 | 5.93 | 6.1 | 3.76 | 1.97 | 0.67 | 0 | 27.07 |
| 96 | 0 | 0 | 0.25 | 2.11 | 3.85 | 5.32 | 6.53 | 5.65 | 3.21 | 1.9 | 0.24 | 0 | 29.06 |
| 97 | 0 | 0 | 0.46 | 1.77 | 3.69 | 4.73 | 5.93 | 5.68 | 4.27 | 1.89 | 0.16 | 0 | 28.58 |
| 98 | 0 | 0 | 0 | 0.95 | 3.15 | 4.32 | 6.37 | 5.8 | 4.13 | 1.98 | 0.34 | 0 | 27.04 |
| 99 | 0 | 0 | 0.65 | 1.67 | 3.26 | 4.77 | 6.07 | 5.3 | 3.72 | 2.04 | 0.71 | 0 | 28.19 |
| 0 | 0 | 0 | 0.37 | 2.31 | 4 | 5.55 | 6.66 | 5.7 | 4.15 | 1.92 | 0 | 0 | 30.66 |
| 1 | 0 | 0 | 0.36 | 2.09 | 3.79 | 5.25 | 6.35 | 5.54 | 3.99 | 2.22 | 0.49 | 0 | 30.07 |
| 2 | 0 | 0 | 0.32 | 2.42 | 3.47 | 5.47 | 6.53 | 5.32 | 3.53 | 1.85 | 0.21 | 0 | 29.12 |
| 3 | 0 | 0 | 0 | 1.64 | 3.82 | 5.1 | 6.87 | 5.65 | 3.82 | 2.35 | 0.25 | 0 | 29.49 |
| 4 | 0 | 0 | 1.17 | 2.01 | 3.59 | 5.16 | 5.89 | 5.23 | 3.51 | 1.89 | 0.13 | 0 | 28.59 |
| 5 | 0 | 0 | 0 | 1.83 | 3.59 | 4.56 | 6.35 | 5.14 | 3.82 | 2.07 | 0.24 | 0 | 27.59 |
| 6 | 0 | 0 | 0 | 2.07 | 3.74 | 5.4 | 6.05 | 4.86 | 2.87 | 1.45 | 0 | 0 | 26.44 |
| 7 | 0 | 0 | 0 | 1.49 | 3.28 | 4.8 | 5.97 | 5.16 | 3.46 | 1.82 | 0.36 | 0 | 26.34 |
| 8 | 0 | 0 | 0 | 1.62 | 2.94 | 4.82 | 5.66 | 5.11 | 3.26 | 1.7 | 0.3 | 0 | 25.41 |
| AV | 0 | 0 | 0.15 | 1.68 | 3.32 | 4.87 | 6.02 | 5.25 | 3.56 | 1.87 | 0.18 | 0 | 26.9 |

EFFECTIVE PRECIPITATION, Inches

Zuni Weather Station

| YR | Pasture Grass/Hay | | | | | | | | | | | | ANNUAL |
|----|-------------------|-----|--------|---------|--------|---------|---------|---------|---------|-------|---------|-----|---------|
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| 49 | 0 | 0 | 0 | 0.17 | 0 | 1 | 1.66 | 0.95 | 1.03 | 0.72 | 0 | 0 | 5.53 |
| 50 | 0 | 0 | 0 | 0 | 0 | 0.1 | 1.14 | 0 | 0.5 | 0 | 0 | 0 | 1.74 |
| 51 | 0 | 0 | 0 | 0.39 | 0 | 0 | 0.76 | 1.32 | 0.27 | 0.38 | 0 | 0 | 3.12 |
| 52 | 0 | 0 | 0 | 0.98 | 0.09 | 0.93 | 1.21 | 2.03 | 0.66 | 0 | 0 | 0 | 5.9 |
| 53 | 0 | 0 | 0 | 0.27 | 0.25 | 0.19 | 0.5 | 0.55 | 0 | 0.39 | 0 | 0 | 2.15 |
| 54 | 0 | 0 | 0.1 | 0.16 | 0.65 | 0 | 1.69 | 0.47 | 1.08 | 0.24 | 0 | 0 | 4.39 |
| 55 | 0 | 0 | 0 | 0.09 | 0.09 | 0.53 | 2.04 | 1.95 | 0 | 0 | 0 | 0 | 4.7 |
| 56 | 0 | 0 | 0 | 0.19 | 0 | 0 | 2.44 | 0.63 | 0 | 0.22 | 0 | 0 | 3.48 |
| 57 | 0 | 0 | 0 | 0.24 | 0.83 | 0.54 | 2.72 | 1.45 | 0 | 1.42 | 0 | 0 | 7.2 |
| 58 | 0 | 0 | 0 | 0.22 | 0.09 | 0.2 | 0.74 | 1.78 | 1.71 | 0.53 | 0 | 0 | 5.27 |
| 59 | 0 | 0 | 0 | 0.31 | 0 | 0 | 1.31 | 1.78 | 0.18 | 1.7 | 0 | 0 | 5.28 |
| 60 | 0 | 0 | 0.03 | 0.16 | 0.34 | 0.48 | 0.67 | 0.3 | 0.67 | 1.75 | 0 | 0 | 4.4 |
| 61 | 0 | 0 | 0 | 0.16 | 0 | 0 | 1.54 | 2.21 | 0.5 | 1.53 | 0 | 0 | 5.94 |
| 62 | 0 | 0 | 0 | 0.32 | 0 | 0 | 0.5 | 0.48 | 1.53 | 1.95 | 0.42 | 0 | 5.2 |
| 63 | 0 | 0 | 0 | 0.08 | 0 | 0 | 0.5 | 3.69 | 1.17 | 1.3 | 0.27 | 0 | 7.01 |
| 64 | 0 | 0 | 0 | 0.26 | 0 | 0 | 2.48 | 2.07 | 0.94 | 0 | 0 | 0 | 5.75 |
| 65 | 0 | 0 | 0 | 0.46 | 0.42 | 1.04 | 2.67 | 1.39 | 0.41 | 0.39 | 0.25 | 0 | 7.03 |
| 66 | 0 | 0 | 0.01 | 0.53 | 0 | 0 | 1.27 | 2.1 | 2.13 | 0 | 0.15 | 0 | 6.19 |
| 67 | 0 | 0 | 0.07 | 0.08 | 0.17 | 0.54 | 2.47 | 2.87 | 1.58 | 0.32 | 0.12 | 0 | 8.22 |
| 68 | 0 | 0 | 0 | 0.83 | 0.42 | 0.19 | 2 | 2.19 | 0.18 | 0.53 | 0 | 0 | 6.34 |
| 69 | 0 | 0 | 0 | 0.19 | 1 | 0 | 2.2 | 1.44 | 1.48 | 1.11 | 0 | 0 | 7.42 |
| 70 | 0 | 0 | 0 | 0.14 | 0 | 0.62 | 1.47 | 1.27 | 1.25 | 0.51 | 0 | 0 | 5.26 |
| 71 | 0 | 0 | 0 | 0.17 | 0 | 0 | 0.84 | 2.61 | 2.25 | 0.99 | 0 | 0 | 6.86 |
| 72 | 0 | 0 | 0 | 0.08 | 0.34 | 1.14 | 0.76 | 0.63 | 0.5 | 1.83 | 0 | 0 | 5.28 |
| 73 | 0 | 0 | 0 | 0 | 0.63 | 0.19 | 2.37 | 0.93 | 0.49 | 0 | 0 | 0 | 4.61 |
| 74 | 0 | 0 | 0 | 0 | 0 | 0 | 1.2 | 1.83 | 0.49 | 1.74 | 0 | 0 | 5.26 |
| 75 | 0 | 0 | 0 | 0.09 | 0 | 0 | 1.49 | 0.71 | 1.85 | 0.06 | 0 | 0 | 4.2 |
| 76 | 0 | 0 | 0 | 0.11 | 0.26 | 0 | 2.66 | 0.86 | 0.5 | 0.28 | 0 | 0 | 4.67 |
| 77 | 0 | 0 | 0 | 0.06 | 0.09 | 0.09 | 1.36 | 2.9 | 0.93 | 0.32 | 0.09 | 0 | 5.84 |
| 78 | 0 | 0 | 0.24 | 0 | 0.48 | 0 | 0.49 | 0.46 | 0.26 | 0.32 | 0.14 | 0 | 2.39 |
| 79 | 0 | 0 | 0 | 0.07 | 1.3 | 0 | 1.05 | 1.07 | 0 | 0.6 | 0 | 0 | 4.09 |
| 80 | 0 | 0 | 0 | 0.06 | 0.17 | 0 | 0.58 | 0.78 | 0.35 | 0.16 | 0 | 0 | 2.1 |
| 81 | 0 | 0 | 0.02 | 0.47 | 0.71 | 0.19 | 2.24 | 1.71 | 0.99 | 0.58 | 0 | 0 | 6.91 |
| 82 | 0 | 0 | 0 | 0 | 0.49 | 0 | 1.74 | 3.5 | 1.32 | 0.11 | 0 | 0 | 7.16 |
| 83 | 0 | 0 | 0 | 0.19 | 0.25 | 0.19 | 2.57 | 2 | 0.92 | 0.64 | 0 | 0 | 6.76 |
| 84 | 0 | 0 | 0 | 0.44 | 0 | 0 | 1.38 | 1.53 | 2.91 | 0.73 | 0 | 0 | 6.99 |
| 85 | 0 | 0 | 0.03 | 1.28 | 0 | 0.09 | 1.81 | 0.09 | 0.84 | 0.46 | 0 | 0 | 4.6 |
| 86 | 0 | 0 | 0.19 | 0.6 | 0.26 | 0.63 | 2.06 | 2.43 | 0.98 | 1.09 | 0.03 | 0 | 8.27 |
| 87 | 0 | 0 | 0 | 0.41 | 0.49 | 1.22 | 2.2 | 1.43 | 0.17 | 0.66 | 0.08 | 0 | 6.66 |
| 88 | 0 | 0 | 0 | 1.18 | 0.26 | 1.15 | 0.91 | 3.94 | 0.97 | 0 | 0 | 0 | 8.41 |
| 89 | 0 | 0 | 0 | 0 | 0.09 | 0 | 2.32 | 1.37 | 0 | 0.83 | 0 | 0 | 4.61 |
| 90 | 0 | 0 | 0.05 | 0.32 | 0.77 | 0.1 | 0.57 | 1.77 | 1.61 | 0.66 | 0.03 | 0 | 5.88 |
| 91 | 0 | 0 | 0 | 0 | 0 | 0.68 | 0.4 | 1.82 | 0.73 | 0.53 | 0.02 | 0 | 4.18 |
| 92 | 0 | 0 | 0.32 | 0 | 2.16 | 0.19 | 3.16 | 2.04 | 0.43 | 0.75 | 0 | 0 | 9.05 |
| 93 | 0 | 0 | 0 | 0 | 0.35 | 0 | 0 | 2.52 | 0 | 0.68 | 0 | 0 | 3.55 |
| 94 | 0 | 0 | 0.12 | 0.92 | 0.79 | 0.56 | 1.64 | 1.42 | 1.21 | 1.51 | 0 | 0 | 8.17 |
| 95 | 0 | 0 | 0 | 0.39 | 0.56 | 0 | 0.3 | 1.89 | 0.09 | 0 | 0.49 | 0 | 3.72 |
| 96 | 0 | 0 | 0 | 0.08 | 0 | 0.29 | 2.36 | 1.5 | 1.79 | 0.79 | 0.13 | 0 | 6.94 |
| 97 | 0 | 0 | 0 | 1.32 | 0.65 | 1.21 | 0.82 | 2.89 | 0.83 | 0.73 | 0.05 | 0 | 8.5 |
| 98 | 0 | 0 | 0 | 0.19 | 0 | 0 | 2.75 | 1.44 | 1.03 | 1.94 | 0.25 | 0 | 7.6 |
| 99 | 0 | 0 | 0 | 0.38 | 0.49 | 0.29 | 2.37 | 2.59 | 0.87 | 0 | 0 | 0 | 6.99 |
| 0 | 0 | 0 | 0.25 | 0 | 0 | 0.89 | 0 | 1.64 | 0.36 | 1.27 | 0 | 0 | 4.41 |
| 1 | 0 | 0 | 0 | 0.6 | 0.09 | 0 | 1.4 | 2.69 | 0.67 | 0.17 | 0.08 | 0 | 5.7 |
| 2 | 0 | 0 | 0.01 | 0.54 | 0 | 0.2 | 1.02 | 1.47 | 1.88 | 1.03 | 0 | 0 | 6.15 |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0.79 | 0.65 | 0.44 | 0.61 | 0.05 | 0 | 2.54 |
| 4 | 0 | 0 | 0.39 | 0.39 | 0 | 0.1 | 0.3 | 1.02 | 0.86 | 0.39 | 0 | 0 | 3.45 |
| 5 | 0 | 0 | 0 | 0.62 | 0.09 | 0.09 | 0.59 | 0.87 | 0.27 | 0.54 | 0 | 0 | 3.07 |
| 6 | 0 | 0 | 0 | 0.16 | 0 | 0.39 | 1.45 | 1.43 | 1.03 | 1 | 0 | 0 | 5.46 |
| 7 | 0 | 0 | 0 | 0.3 | 0.99 | 0 | 1.59 | 2.75 | 0.26 | 0.24 | 0 | 0 | 6.13 |
| 8 | 0 | 0 | 0 | 0.06 | 1.16 | 0 | 1.56 | 1.02 | 0.26 | 0.91 | 0.06 | 0 | 5.03 |
| AV | 0 | 0 | 0.0305 | 0.29517 | 0.3045 | 0.27067 | 1.45133 | 1.61867 | 0.81017 | 0.669 | 0.04517 | 0 | 5.49517 |

MODIFIED B-C CONSUMPTIVE USE OF IRRIGATION WATER

Zuni Weather Station

Pasture Grass/Hay

| Year | Crop Irrigation Requirement (inches) | | | | | | | | | | | | Total |
|------|--------------------------------------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| | January | February | March | April | May | June | July | August | September | October | November | December | |
| 49 | 0 | 0 | 0.13 | 1.9 | 3.38 | 3.82 | 4.31 | 4.33 | 3 | 1.03 | 0.67 | 0 | 22.57 |
| 50 | 0 | 0 | 0.33 | 2.24 | 3.24 | 4.79 | 4.81 | 5.18 | 2.75 | 2.61 | 0.49 | 0 | 26.44 |
| 51 | 0 | 0 | 0 | 1.08 | 3.37 | 4.32 | 5.67 | 3.98 | 3.37 | 1.4 | 0 | 0 | 23.19 |
| 52 | 0 | 0 | 0 | 0.63 | 3.38 | 3.96 | 4.59 | 3.42 | 2.98 | 2.07 | 0 | 0 | 21.03 |
| 53 | 0 | 0 | 0 | 1.1 | 2.28 | 4.77 | 5.73 | 4.57 | 3.78 | 1.59 | 0.19 | 0 | 24.01 |
| 54 | 0 | 0 | 0.03 | 2.3 | 2.91 | 4.75 | 4.52 | 4.57 | 2.68 | 1.95 | 0.41 | 0 | 24.11 |
| 55 | 0 | 0 | 0 | 1.2 | 3.06 | 4.01 | 3.51 | 3.44 | 3.82 | 2.23 | 0.26 | 0 | 21.54 |
| 56 | 0 | 0 | 0 | 1.32 | 3.54 | 5.45 | 3.13 | 4.34 | 3.96 | 1.71 | 0 | 0 | 23.45 |
| 57 | 0 | 0 | 0 | 1.01 | 2.03 | 4.3 | 3.04 | 3.59 | 3.5 | 0.23 | 0 | 0 | 17.69 |
| 58 | 0 | 0 | 0 | 1.06 | 3.74 | 5.22 | 5.13 | 3.89 | 1.93 | 1.47 | 0.11 | 0 | 22.54 |
| 59 | 0 | 0 | 0 | 1.72 | 3.17 | 5.38 | 4.88 | 3.29 | 3.19 | 0.09 | 0.02 | 0 | 21.73 |
| 60 | 0 | 0 | 0.34 | 1.83 | 2.91 | 4.94 | 5.62 | 5.44 | 3.32 | 0 | 0.18 | 0 | 24.57 |
| 61 | 0 | 0 | 0 | 1.7 | 3.41 | 5.58 | 4.69 | 3.13 | 2.82 | 0.28 | 0 | 0 | 21.61 |
| 62 | 0 | 0 | 0 | 2.05 | 3.15 | 4.85 | 5.71 | 5.2 | 2.27 | 0.12 | 0.13 | 0 | 23.48 |
| 63 | 0 | 0 | 0 | 1.79 | 3.76 | 4.78 | 5.95 | 1.4 | 2.92 | 1.06 | 0.18 | 0 | 21.84 |
| 64 | 0 | 0 | 0 | 0.72 | 3.51 | 4.84 | 3.95 | 3.18 | 2.66 | 2.24 | 0.16 | 0 | 21.25 |
| 65 | 0 | 0 | 0 | 1.08 | 2.58 | 3.15 | 3.24 | 3.79 | 2.72 | 1.68 | 0.27 | 0 | 18.51 |
| 66 | 0 | 0 | 0.43 | 1.61 | 3.99 | 5.07 | 5.29 | 3.45 | 1.56 | 2.04 | 0.44 | 0 | 23.87 |
| 67 | 0 | 0 | 0.47 | 1.74 | 3.02 | 4.19 | 3.84 | 2.29 | 2.08 | 1.73 | 0.39 | 0 | 19.74 |
| 68 | 0 | 0 | 0 | 0.71 | 2.82 | 4.77 | 3.85 | 2.49 | 3.24 | 1.47 | 0.08 | 0 | 19.43 |
| 69 | 0 | 0 | 0 | 1.58 | 2.57 | 4.75 | 4.13 | 4.47 | 2.35 | 0.54 | 0 | 0 | 20.4 |
| 70 | 0 | 0 | 0 | 0.53 | 3.44 | 4.22 | 4.82 | 4.3 | 2.04 | 0.86 | 0 | 0 | 20.22 |
| 71 | 0 | 0 | 0 | 1.25 | 2.9 | 4.93 | 5.43 | 2.46 | 1.01 | 0.44 | 0 | 0 | 18.41 |
| 72 | 0 | 0 | 0.91 | 1.8 | 2.91 | 3.54 | 5.55 | 4.56 | 3.01 | 0 | 0 | 0 | 22.29 |
| 73 | 0 | 0 | 0 | 0.54 | 2.35 | 3.97 | 3.23 | 3.95 | 2.43 | 1.26 | 0 | 0 | 17.74 |
| 74 | 0 | 0 | 0 | 0.71 | 3.38 | 5.19 | 4.44 | 3.02 | 2.67 | 0 | 0 | 0 | 19.41 |
| 75 | 0 | 0 | 0 | 0.38 | 2.68 | 4.34 | 4.06 | 4.19 | 1.4 | 1.73 | 0 | 0 | 18.78 |
| 76 | 0 | 0 | 0 | 1.44 | 3.15 | 4.68 | 3.14 | 4.07 | 3 | 0.85 | 0 | 0 | 20.33 |
| 77 | 0 | 0 | 0 | 1.67 | 3.02 | 5.03 | 4.4 | 2.4 | 2.69 | 1.83 | 0.2 | 0 | 21.25 |
| 78 | 0 | 0 | 0.04 | 1.88 | 2.39 | 4.96 | 5.6 | 4.12 | 2.77 | 1.73 | 0.14 | 0 | 23.63 |
| 79 | 0 | 0 | 0 | 1.82 | 1.96 | 4.66 | 4.67 | 3.66 | 3.79 | 1.55 | 0 | 0 | 22.11 |
| 80 | 0 | 0 | 0 | 1.59 | 2.6 | 4.78 | 5.26 | 4.1 | 3.25 | 1.69 | 0.09 | 0 | 23.36 |
| 81 | 0 | 0 | 0.04 | 1.76 | 2.43 | 4.93 | 3.4 | 3.34 | 2.36 | 1.13 | 0.12 | 0 | 19.5 |
| 82 | 0 | 0 | 0 | 1.27 | 2.36 | 4.21 | 3.55 | 1.55 | 2.09 | 1.2 | 0 | 0 | 16.22 |
| 83 | 0 | 0 | 0 | 0.31 | 2.69 | 3.97 | 3.09 | 2.69 | 2.41 | 0.83 | 0 | 0 | 15.98 |
| 84 | 0 | 0 | 0 | 0.8 | 3.83 | 4.75 | 4.69 | 3.65 | 0.67 | 0.34 | 0 | 0 | 18.74 |
| 85 | 0 | 0 | 0.1 | 0.78 | 3.42 | 4.87 | 4.2 | 5.19 | 2.23 | 1.54 | 0.08 | 0 | 22.4 |
| 86 | 0 | 0 | 0.18 | 1.33 | 2.99 | 4.4 | 3.68 | 3.12 | 2.23 | 0.67 | 0.04 | 0 | 18.65 |
| 87 | 0 | 0 | 0 | 1.45 | 2.59 | 3.55 | 3.05 | 3.43 | 3.05 | 1.44 | 0.05 | 0 | 18.61 |
| 88 | 0 | 0 | 0 | 0.27 | 2.92 | 3.74 | 5.12 | 1.25 | 2.1 | 2.15 | 0.07 | 0 | 17.62 |
| 89 | 0 | 0 | 0.63 | 2.49 | 3.48 | 4.72 | 3.91 | 3.63 | 3.62 | 0.88 | 0 | 0 | 23.36 |
| 90 | 0 | 0 | 0.18 | 1.8 | 2.31 | 5.26 | 5.23 | 3.15 | 2.29 | 1.21 | 0.15 | 0 | 21.57 |
| 91 | 0 | 0 | 0 | 1.22 | 3.05 | 3.71 | 5.59 | 3.59 | 2.84 | 1.49 | 0.07 | 0 | 21.56 |
| 92 | 0 | 0 | 0.13 | 2.25 | 1.24 | 4.25 | 2.24 | 2.96 | 3.1 | 1.23 | 0 | 0 | 17.4 |
| 93 | 0 | 0 | 0.09 | 1.86 | 3.12 | 4.7 | 5.64 | 2.76 | 3.47 | 1.06 | 0 | 0 | 22.71 |
| 94 | 0 | 0 | 0.34 | 1.08 | 2.66 | 4.87 | 4.87 | 5.11 | 2.51 | 0.18 | 0 | 0 | 21.63 |
| 95 | 0 | 0 | 0 | 0.94 | 2.25 | 4.49 | 5.63 | 4.21 | 3.67 | 1.97 | 0.18 | 0 | 23.34 |
| 96 | 0 | 0 | 0.25 | 2.03 | 3.85 | 5.03 | 4.17 | 4.15 | 1.42 | 1.11 | 0.11 | 0 | 22.13 |
| 97 | 0 | 0 | 0.46 | 0.45 | 3.04 | 3.52 | 5.11 | 2.79 | 3.44 | 1.16 | 0.11 | 0 | 20.07 |
| 98 | 0 | 0 | 0 | 0.76 | 3.15 | 4.32 | 3.62 | 4.36 | 3.1 | 0.04 | 0.09 | 0 | 19.45 |
| 99 | 0 | 0 | 0.65 | 1.29 | 2.77 | 4.48 | 3.7 | 2.71 | 2.85 | 2.04 | 0.71 | 0 | 21.2 |
| 0 | 0 | 0 | 0.12 | 2.31 | 4 | 4.66 | 6.66 | 4.06 | 3.79 | 0.65 | 0 | 0 | 26.25 |
| 1 | 0 | 0 | 0.36 | 1.49 | 3.7 | 5.25 | 4.95 | 2.85 | 3.32 | 2.05 | 0.41 | 0 | 24.38 |
| 2 | 0 | 0 | 0.31 | 1.88 | 3.47 | 5.27 | 5.51 | 3.85 | 1.65 | 0.82 | 0.21 | 0 | 22.97 |
| 3 | 0 | 0 | 0 | 1.64 | 3.82 | 5.1 | 6.08 | 5 | 3.38 | 1.74 | 0.2 | 0 | 26.97 |
| 4 | 0 | 0 | 0.78 | 1.62 | 3.59 | 5.06 | 5.59 | 4.21 | 2.65 | 1.5 | 0.13 | 0 | 25.12 |
| 5 | 0 | 0 | 0 | 1.21 | 3.5 | 4.47 | 5.76 | 4.27 | 3.55 | 1.53 | 0.24 | 0 | 24.52 |
| 6 | 0 | 0 | 0 | 1.91 | 3.74 | 5.01 | 4.6 | 3.43 | 1.84 | 0.45 | 0 | 0 | 20.99 |
| 7 | 0 | 0 | 0 | 1.19 | 2.29 | 4.8 | 4.38 | 2.41 | 3.2 | 1.58 | 0.36 | 0 | 20.21 |
| 8 | 0 | 0 | 0 | 1.56 | 1.78 | 4.82 | 4.1 | 4.09 | 3 | 0.79 | 0.24 | 0 | 20.38 |
| AV | 0 | 0 | 0.12 | 1.38 | 3.01 | 4.6 | 4.57 | 3.64 | 2.75 | 1.2 | 0.13 | 0 | 21.41 |

MODIFIED B-C GROSS CONSUMPTIVE USE

Zuni Weather Station

Spring Grain

| Year | Crop Potential Evapotranspiration (inches) | | | | | | | | | | | | |
|------|--|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
| 49 | 0 | 0 | 0.05 | 1.16 | 4.05 | 6.56 | 3.51 | 0.06 | 0 | 0 | 0 | 0 | 15.39 |
| 50 | 0 | 0 | 0.14 | 1.3 | 4.1 | 6.28 | 2.72 | 0 | 0 | 0 | 0 | 0 | 14.54 |
| 51 | 0 | 0 | 0 | 0.76 | 3.39 | 6.1 | 5.77 | 0.51 | 0 | 0 | 0 | 0 | 16.52 |
| 52 | 0 | 0 | 0 | 0.83 | 3.5 | 6.9 | 5.2 | 0.5 | 0 | 0 | 0 | 0 | 16.92 |
| 53 | 0 | 0 | 0 | 0.7 | 2.55 | 7 | 5.58 | 0.51 | 0 | 0 | 0 | 0 | 16.34 |
| 54 | 0 | 0 | 0.05 | 1.39 | 4.26 | 6.47 | 3.65 | 0.06 | 0 | 0 | 0 | 0 | 15.87 |
| 55 | 0 | 0 | 0 | 0.64 | 2.94 | 6.44 | 5.3 | 0.65 | 0 | 0 | 0 | 0 | 15.97 |
| 56 | 0 | 0 | 0 | 0.8 | 3.76 | 7.65 | 4.66 | 0.34 | 0 | 0 | 0 | 0 | 17.22 |
| 57 | 0 | 0 | 0 | 0.62 | 2.67 | 6.86 | 5.5 | 0.62 | 0 | 0 | 0 | 0 | 16.27 |
| 58 | 0 | 0 | 0 | 0.61 | 3.3 | 7.71 | 5.95 | 0.83 | 0 | 0 | 0 | 0 | 18.41 |
| 59 | 0 | 0 | 0 | 1.11 | 3.58 | 7.48 | 4.44 | 0.18 | 0 | 0 | 0 | 0 | 16.78 |
| 60 | 0 | 0 | 0.16 | 1.17 | 4.16 | 6.85 | 2.67 | 0 | 0 | 0 | 0 | 0 | 15.01 |
| 61 | 0 | 0 | 0 | 1.02 | 3.85 | 7.76 | 4.47 | 0.18 | 0 | 0 | 0 | 0 | 17.28 |
| 62 | 0 | 0 | 0 | 1.32 | 3.67 | 6.72 | 4.05 | 0.11 | 0 | 0 | 0 | 0 | 15.87 |
| 63 | 0 | 0 | 0 | 1.02 | 4.24 | 6.65 | 4.63 | 0.18 | 0 | 0 | 0 | 0 | 16.73 |
| 64 | 0 | 0 | 0 | 0.44 | 2.51 | 6.61 | 7.27 | 1.16 | 0 | 0 | 0 | 0 | 17.99 |
| 65 | 0 | 0 | 0 | 0.8 | 3.13 | 5.9 | 5.13 | 0.43 | 0 | 0 | 0 | 0 | 15.39 |
| 66 | 0 | 0 | 0.19 | 1.27 | 5.17 | 6.31 | 2.46 | 0 | 0 | 0 | 0 | 0 | 15.4 |
| 67 | 0 | 0 | 0.26 | 1.16 | 4.28 | 5.62 | 1.87 | 0 | 0 | 0 | 0 | 0 | 13.18 |
| 68 | 0 | 0 | 0 | 0.83 | 3.49 | 6.95 | 4.73 | 0.3 | 0 | 0 | 0 | 0 | 16.3 |
| 69 | 0 | 0 | 0 | 0.94 | 3.79 | 6.67 | 5.3 | 0.41 | 0 | 0 | 0 | 0 | 17.12 |
| 70 | 0 | 0 | 0 | 0.28 | 1.95 | 6.34 | 7.59 | 1.72 | 0 | 0 | 0 | 0 | 17.88 |
| 71 | 0 | 0 | 0 | 0.74 | 3.03 | 6.93 | 5.44 | 0.44 | 0 | 0 | 0 | 0 | 16.58 |
| 72 | 0 | 0 | 0.5 | 1.71 | 4.68 | 4.74 | 0.97 | 0 | 0 | 0 | 0 | 0 | 12.61 |
| 73 | 0 | 0 | 0 | 0.21 | 1.67 | 5.33 | 6.98 | 1.74 | 0 | 0 | 0 | 0 | 15.94 |
| 74 | 0 | 0 | 0 | 0.29 | 1.92 | 6.81 | 6.81 | 1.47 | 0 | 0 | 0 | 0 | 17.29 |
| 75 | 0 | 0 | 0 | 0.18 | 1.48 | 5.5 | 7.02 | 1.89 | 0 | 0 | 0 | 0 | 16.07 |
| 76 | 0 | 0 | 0 | 0.79 | 3.44 | 6.6 | 5.2 | 0.47 | 0 | 0 | 0 | 0 | 16.5 |
| 77 | 0 | 0 | 0 | 0.93 | 3.35 | 7.17 | 4.66 | 0.32 | 0 | 0 | 0 | 0 | 16.43 |
| 78 | 0 | 0 | 0.12 | 1.08 | 3.59 | 6.47 | 2.98 | 0.01 | 0 | 0 | 0 | 0 | 14.25 |
| 79 | 0 | 0 | 0 | 1.03 | 3.63 | 6.5 | 4.29 | 0.2 | 0 | 0 | 0 | 0 | 15.65 |
| 80 | 0 | 0 | 0 | 0.89 | 2.99 | 6.7 | 4.72 | 0.3 | 0 | 0 | 0 | 0 | 15.59 |
| 81 | 0 | 0 | 0.02 | 1.24 | 3.65 | 7.09 | 3.68 | 0.1 | 0 | 0 | 0 | 0 | 15.78 |
| 82 | 0 | 0 | 0 | 0.63 | 2.66 | 5.96 | 5.05 | 0.61 | 0 | 0 | 0 | 0 | 14.91 |
| 83 | 0 | 0 | 0 | 0.19 | 1.63 | 5.27 | 7.16 | 1.78 | 0 | 0 | 0 | 0 | 16.04 |
| 84 | 0 | 0 | 0 | 0.59 | 3.3 | 6.76 | 6.15 | 0.78 | 0 | 0 | 0 | 0 | 17.59 |
| 85 | 0 | 0 | 0.05 | 1.16 | 4.1 | 6.75 | 3.53 | 0.06 | 0 | 0 | 0 | 0 | 15.65 |
| 86 | 0 | 0 | 0.16 | 1.13 | 4.16 | 6.37 | 2.43 | 0 | 0 | 0 | 0 | 0 | 14.25 |
| 87 | 0 | 0 | 0 | 1.01 | 3.38 | 6.66 | 4.09 | 0.25 | 0 | 0 | 0 | 0 | 15.38 |
| 88 | 0 | 0 | 0 | 0.74 | 3.2 | 6.9 | 5.41 | 0.5 | 0 | 0 | 0 | 0 | 16.75 |
| 89 | 0 | 0 | 0.31 | 1.69 | 4.84 | 5.51 | 1.69 | 0 | 0 | 0 | 0 | 0 | 14.03 |
| 90 | 0 | 0 | 0.09 | 1.21 | 3.8 | 7.09 | 3.02 | 0.02 | 0 | 0 | 0 | 0 | 15.24 |
| 91 | 0 | 0 | 0 | 0.59 | 2.74 | 6.24 | 5.9 | 0.75 | 0 | 0 | 0 | 0 | 16.22 |
| 92 | 0 | 0 | 0.2 | 1.33 | 4.4 | 5.53 | 2.01 | 0 | 0 | 0 | 0 | 0 | 13.47 |
| 93 | 0 | 0 | 0.03 | 1.04 | 4.1 | 6.48 | 3.5 | 0.08 | 0 | 0 | 0 | 0 | 15.23 |
| 94 | 0 | 0 | 0.21 | 1.19 | 4.53 | 6.67 | 2.3 | 0 | 0 | 0 | 0 | 0 | 14.89 |
| 95 | 0 | 0 | 0 | 0.68 | 2.83 | 6.34 | 5.32 | 0.55 | 0 | 0 | 0 | 0 | 15.71 |
| 96 | 0 | 0 | 0.1 | 1.21 | 4.74 | 7.04 | 3.41 | 0.02 | 0 | 0 | 0 | 0 | 16.52 |
| 97 | 0 | 0 | 0.21 | 1.05 | 4.84 | 5.8 | 2.07 | 0 | 0 | 0 | 0 | 0 | 13.98 |
| 98 | 0 | 0 | 0 | 0.42 | 2.25 | 5.91 | 7.2 | 1.27 | 0 | 0 | 0 | 0 | 17.05 |
| 99 | 0 | 0 | 0.32 | 1.2 | 4.47 | 5.48 | 1.48 | 0 | 0 | 0 | 0 | 0 | 12.94 |
| 0 | 0 | 0 | 0.16 | 1.35 | 5.13 | 7.02 | 2.82 | 0 | 0 | 0 | 0 | 0 | 16.48 |
| 1 | 0 | 0 | 0.16 | 1.22 | 4.85 | 6.64 | 2.69 | 0 | 0 | 0 | 0 | 0 | 15.56 |
| 2 | 0 | 0 | 0.14 | 1.41 | 4.39 | 7.03 | 2.98 | 0 | 0 | 0 | 0 | 0 | 15.95 |
| 3 | 0 | 0 | 0 | 0.88 | 4.12 | 7.15 | 5.55 | 0.34 | 0 | 0 | 0 | 0 | 18.04 |
| 4 | 0 | 0 | 0.68 | 2.07 | 5.2 | 4.77 | 0.67 | 0 | 0 | 0 | 0 | 0 | 13.39 |
| 5 | 0 | 0 | 0 | 1 | 3.99 | 6.36 | 4.76 | 0.22 | 0 | 0 | 0 | 0 | 16.33 |
| 6 | 0 | 0 | 0 | 1.13 | 4.23 | 7.5 | 4.34 | 0.17 | 0 | 0 | 0 | 0 | 17.38 |
| 7 | 0 | 0 | 0 | 0.78 | 3.42 | 6.76 | 5.18 | 0.43 | 0 | 0 | 0 | 0 | 16.56 |
| 8 | 0 | 0 | 0 | 0.88 | 3.22 | 6.73 | 4.41 | 0.26 | 0 | 0 | 0 | 0 | 15.51 |
| AV | 0 | 0 | 0.07 | 0.95 | 3.6 | 6.51 | 4.34 | 0.4 | 0 | 0 | 0 | 0 | 15.87 |

EFFECTIVE PRECIPITATION, Inches

Zuni Weather Station

| YR | Spring Grain | | | | | | | | | | | | ANNUAL |
|----|--------------|-----|---------|---------|---------|--------|---------|--------|-----|-----|-----|-----|---------|
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| 49 | 0 | 0 | 0 | 0.15 | 0 | 1.1 | 1.45 | 0.06 | 0 | 0 | 0 | 0 | 2.76 |
| 50 | 0 | 0 | 0 | 0 | 0 | 0.1 | 0.96 | 0 | 0 | 0 | 0 | 0 | 1.06 |
| 51 | 0 | 0 | 0 | 0.38 | 0 | 0 | 0.74 | 0.5 | 0 | 0 | 0 | 0 | 1.62 |
| 52 | 0 | 0 | 0 | 0.83 | 0.09 | 1.04 | 1.17 | 0.5 | 0 | 0 | 0 | 0 | 3.63 |
| 53 | 0 | 0 | 0 | 0.26 | 0.25 | 0.22 | 0.47 | 0.19 | 0 | 0 | 0 | 0 | 1.39 |
| 54 | 0 | 0 | 0.05 | 0.16 | 0.68 | 0 | 1.47 | 0 | 0 | 0 | 0 | 0 | 2.36 |
| 55 | 0 | 0 | 0 | 0.08 | 0.08 | 0.59 | 2.01 | 0.65 | 0 | 0 | 0 | 0 | 3.41 |
| 56 | 0 | 0 | 0 | 0.18 | 0 | 0 | 2.31 | 0.17 | 0 | 0 | 0 | 0 | 2.66 |
| 57 | 0 | 0 | 0 | 0.24 | 0.82 | 0.61 | 2.68 | 0.62 | 0 | 0 | 0 | 0 | 4.97 |
| 58 | 0 | 0 | 0 | 0.21 | 0.09 | 0.23 | 0.74 | 0.83 | 0 | 0 | 0 | 0 | 2.1 |
| 59 | 0 | 0 | 0 | 0.29 | 0 | 0 | 1.19 | 0.18 | 0 | 0 | 0 | 0 | 1.66 |
| 60 | 0 | 0 | 0.04 | 0.16 | 0.36 | 0.51 | 0.55 | 0 | 0 | 0 | 0 | 0 | 1.62 |
| 61 | 0 | 0 | 0 | 0.15 | 0 | 0 | 1.4 | 0.18 | 0 | 0 | 0 | 0 | 1.73 |
| 62 | 0 | 0 | 0 | 0.31 | 0 | 0 | 0.44 | 0.03 | 0 | 0 | 0 | 0 | 0.78 |
| 63 | 0 | 0 | 0 | 0.07 | 0 | 0 | 0.45 | 0.18 | 0 | 0 | 0 | 0 | 0.7 |
| 64 | 0 | 0 | 0 | 0.26 | 0 | 0 | 2.6 | 1.16 | 0 | 0 | 0 | 0 | 4.02 |
| 65 | 0 | 0 | 0 | 0.44 | 0.42 | 1.14 | 2.56 | 0.43 | 0 | 0 | 0 | 0 | 4.99 |
| 66 | 0 | 0 | 0 | 0.51 | 0 | 0 | 0.96 | 0 | 0 | 0 | 0 | 0 | 1.47 |
| 67 | 0 | 0 | 0.07 | 0.08 | 0.19 | 0.56 | 1.72 | 0 | 0 | 0 | 0 | 0 | 2.62 |
| 68 | 0 | 0 | 0 | 0.79 | 0.42 | 0.22 | 1.88 | 0.3 | 0 | 0 | 0 | 0 | 3.61 |
| 69 | 0 | 0 | 0 | 0.18 | 1.01 | 0 | 2.07 | 0.41 | 0 | 0 | 0 | 0 | 3.67 |
| 70 | 0 | 0 | 0 | 0.14 | 0 | 0.68 | 1.58 | 0.92 | 0 | 0 | 0 | 0 | 3.32 |
| 71 | 0 | 0 | 0 | 0.16 | 0 | 0 | 0.81 | 0.44 | 0 | 0 | 0 | 0 | 1.41 |
| 72 | 0 | 0 | 0 | 0.08 | 0.37 | 1.14 | 0.36 | 0 | 0 | 0 | 0 | 0 | 1.95 |
| 73 | 0 | 0 | 0 | 0 | 0.59 | 0.2 | 2.56 | 0.73 | 0 | 0 | 0 | 0 | 4.08 |
| 74 | 0 | 0 | 0 | 0 | 0 | 0 | 1.28 | 1.34 | 0 | 0 | 0 | 0 | 2.62 |
| 75 | 0 | 0 | 0 | 0.08 | 0 | 0 | 1.61 | 0.58 | 0 | 0 | 0 | 0 | 2.27 |
| 76 | 0 | 0 | 0 | 0.1 | 0.27 | 0 | 2.58 | 0.31 | 0 | 0 | 0 | 0 | 3.26 |
| 77 | 0 | 0 | 0 | 0.05 | 0.08 | 0.1 | 1.28 | 0.32 | 0 | 0 | 0 | 0 | 1.83 |
| 78 | 0 | 0 | 0.12 | 0 | 0.5 | 0 | 0.41 | 0 | 0 | 0 | 0 | 0 | 1.03 |
| 79 | 0 | 0 | 0 | 0.07 | 1.33 | 0 | 0.97 | 0.2 | 0 | 0 | 0 | 0 | 2.57 |
| 80 | 0 | 0 | 0 | 0.06 | 0.18 | 0 | 0.54 | 0.21 | 0 | 0 | 0 | 0 | 0.99 |
| 81 | 0 | 0 | 0.02 | 0.45 | 0.73 | 0.22 | 2.01 | 0.1 | 0 | 0 | 0 | 0 | 3.53 |
| 82 | 0 | 0 | 0 | 0 | 0.48 | 0 | 1.72 | 0.61 | 0 | 0 | 0 | 0 | 2.81 |
| 83 | 0 | 0 | 0 | 0.19 | 0.24 | 0.2 | 2.8 | 1.64 | 0 | 0 | 0 | 0 | 5.07 |
| 84 | 0 | 0 | 0 | 0.42 | 0 | 0 | 1.38 | 0.75 | 0 | 0 | 0 | 0 | 2.55 |
| 85 | 0 | 0 | 0.03 | 1.16 | 0 | 0.1 | 1.58 | 0 | 0 | 0 | 0 | 0 | 2.87 |
| 86 | 0 | 0 | 0.16 | 0.57 | 0.27 | 0.68 | 1.71 | 0 | 0 | 0 | 0 | 0 | 3.39 |
| 87 | 0 | 0 | 0 | 0.39 | 0.5 | 1.35 | 2.06 | 0.25 | 0 | 0 | 0 | 0 | 4.55 |
| 88 | 0 | 0 | 0 | 0.74 | 0.26 | 1.29 | 0.89 | 0.5 | 0 | 0 | 0 | 0 | 3.68 |
| 89 | 0 | 0 | 0 | 0 | 0.1 | 0 | 1.55 | 0 | 0 | 0 | 0 | 0 | 1.65 |
| 90 | 0 | 0 | 0.05 | 0.3 | 0.81 | 0.11 | 0.49 | 0.02 | 0 | 0 | 0 | 0 | 1.78 |
| 91 | 0 | 0 | 0 | 0 | 0 | 0.76 | 0.4 | 0.75 | 0 | 0 | 0 | 0 | 1.91 |
| 92 | 0 | 0 | 0.2 | 0 | 2.28 | 0.2 | 2.01 | 0 | 0 | 0 | 0 | 0 | 4.69 |
| 93 | 0 | 0 | 0 | 0 | 0.36 | 0 | 0 | 0.08 | 0 | 0 | 0 | 0 | 0.44 |
| 94 | 0 | 0 | 0.12 | 0.87 | 0.84 | 0.6 | 1.23 | 0 | 0 | 0 | 0 | 0 | 3.66 |
| 95 | 0 | 0 | 0 | 0.37 | 0.56 | 0 | 0.3 | 0.55 | 0 | 0 | 0 | 0 | 1.78 |
| 96 | 0 | 0 | 0 | 0.08 | 0 | 0.32 | 1.98 | 0.02 | 0 | 0 | 0 | 0 | 2.4 |
| 97 | 0 | 0 | 0 | 1.05 | 0.7 | 1.28 | 0.62 | 0 | 0 | 0 | 0 | 0 | 3.65 |
| 98 | 0 | 0 | 0 | 0.19 | 0 | 0 | 2.87 | 0.85 | 0 | 0 | 0 | 0 | 3.91 |
| 99 | 0 | 0 | 0 | 0.38 | 0.53 | 0.3 | 1.48 | 0 | 0 | 0 | 0 | 0 | 2.69 |
| 0 | 0 | 0 | 0.16 | 0 | 0 | 0.97 | 0 | 0 | 0 | 0 | 0 | 0 | 1.13 |
| 1 | 0 | 0 | 0 | 0.57 | 0.09 | 0 | 1.14 | 0 | 0 | 0 | 0 | 0 | 1.8 |
| 2 | 0 | 0 | 0.02 | 0.52 | 0 | 0.22 | 0.83 | 0 | 0 | 0 | 0 | 0 | 1.59 |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0.73 | 0.15 | 0 | 0 | 0 | 0 | 0.88 |
| 4 | 0 | 0 | 0.39 | 0.39 | 0 | 0.09 | 0.09 | 0 | 0 | 0 | 0 | 0 | 0.96 |
| 5 | 0 | 0 | 0 | 0.6 | 0.09 | 0.11 | 0.54 | 0.18 | 0 | 0 | 0 | 0 | 1.52 |
| 6 | 0 | 0 | 0 | 0.15 | 0 | 0.43 | 1.32 | 0.17 | 0 | 0 | 0 | 0 | 2.07 |
| 7 | 0 | 0 | 0 | 0.29 | 0.99 | 0 | 1.53 | 0.43 | 0 | 0 | 0 | 0 | 3.24 |
| 8 | 0 | 0 | 0 | 0.06 | 1.17 | 0 | 1.46 | 0.26 | 0 | 0 | 0 | 0 | 2.95 |
| AV | 0 | 0 | 0.02383 | 0.27017 | 0.31217 | 0.2945 | 1.30867 | 0.3125 | 0 | 0 | 0 | 0 | 2.52183 |

MODIFIED B-C CONSUMPTIVE USE OF IRRIGATION WATER

Zuni Weather Station

Spring Grain

| Year | Crop Irrigation Requirement (inches) | | | | | | | | | | | | | Total |
|------|--------------------------------------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|---|-------|
| | January | February | March | April | May | June | July | August | September | October | November | December | | |
| 49 | 0 | 0 | 0.05 | 1.01 | 4.05 | 5.46 | 2.06 | 0 | 0 | 0 | 0 | 0 | 0 | 12.62 |
| 50 | 0 | 0 | 0.14 | 1.3 | 4.1 | 6.18 | 1.76 | 0 | 0 | 0 | 0 | 0 | 0 | 13.48 |
| 51 | 0 | 0 | 0 | 0.38 | 3.39 | 6.1 | 5.03 | 0.01 | 0 | 0 | 0 | 0 | 0 | 14.91 |
| 52 | 0 | 0 | 0 | 0 | 3.41 | 5.86 | 4.03 | 0 | 0 | 0 | 0 | 0 | 0 | 13.29 |
| 53 | 0 | 0 | 0 | 0.44 | 2.3 | 6.78 | 5.11 | 0.32 | 0 | 0 | 0 | 0 | 0 | 14.95 |
| 54 | 0 | 0 | 0 | 1.23 | 3.58 | 6.47 | 2.18 | 0.06 | 0 | 0 | 0 | 0 | 0 | 13.52 |
| 55 | 0 | 0 | 0 | 0.56 | 2.86 | 5.85 | 3.29 | 0 | 0 | 0 | 0 | 0 | 0 | 12.55 |
| 56 | 0 | 0 | 0 | 0.62 | 3.76 | 7.65 | 2.35 | 0.17 | 0 | 0 | 0 | 0 | 0 | 14.56 |
| 57 | 0 | 0 | 0 | 0.38 | 1.85 | 6.25 | 2.82 | 0 | 0 | 0 | 0 | 0 | 0 | 11.3 |
| 58 | 0 | 0 | 0 | 0.4 | 3.21 | 7.48 | 5.21 | 0 | 0 | 0 | 0 | 0 | 0 | 16.3 |
| 59 | 0 | 0 | 0 | 0.82 | 3.58 | 7.48 | 3.25 | 0 | 0 | 0 | 0 | 0 | 0 | 15.12 |
| 60 | 0 | 0 | 0.12 | 1.01 | 3.8 | 6.34 | 2.12 | 0 | 0 | 0 | 0 | 0 | 0 | 13.39 |
| 61 | 0 | 0 | 0 | 0.87 | 3.85 | 7.76 | 3.07 | 0 | 0 | 0 | 0 | 0 | 0 | 15.56 |
| 62 | 0 | 0 | 0 | 1.01 | 3.67 | 6.72 | 3.61 | 0.08 | 0 | 0 | 0 | 0 | 0 | 15.08 |
| 63 | 0 | 0 | 0 | 0.95 | 4.24 | 6.65 | 4.18 | 0 | 0 | 0 | 0 | 0 | 0 | 16.02 |
| 64 | 0 | 0 | 0 | 0.18 | 2.51 | 6.61 | 4.67 | 0 | 0 | 0 | 0 | 0 | 0 | 13.97 |
| 65 | 0 | 0 | 0 | 0.36 | 2.71 | 4.76 | 2.57 | 0 | 0 | 0 | 0 | 0 | 0 | 10.4 |
| 66 | 0 | 0 | 0.19 | 0.76 | 5.17 | 6.31 | 1.5 | 0 | 0 | 0 | 0 | 0 | 0 | 13.92 |
| 67 | 0 | 0 | 0.19 | 1.08 | 4.09 | 5.06 | 0.15 | 0 | 0 | 0 | 0 | 0 | 0 | 10.57 |
| 68 | 0 | 0 | 0 | 0.04 | 3.07 | 6.73 | 2.85 | 0 | 0 | 0 | 0 | 0 | 0 | 12.69 |
| 69 | 0 | 0 | 0 | 0.76 | 2.78 | 6.67 | 3.23 | 0 | 0 | 0 | 0 | 0 | 0 | 13.43 |
| 70 | 0 | 0 | 0 | 0.14 | 1.95 | 5.66 | 6.01 | 0.8 | 0 | 0 | 0 | 0 | 0 | 14.57 |
| 71 | 0 | 0 | 0 | 0.58 | 3.03 | 6.93 | 4.63 | 0 | 0 | 0 | 0 | 0 | 0 | 15.17 |
| 72 | 0 | 0 | 0.5 | 1.63 | 4.31 | 3.6 | 0.61 | 0 | 0 | 0 | 0 | 0 | 0 | 10.66 |
| 73 | 0 | 0 | 0 | 0.21 | 1.08 | 5.13 | 4.42 | 1.01 | 0 | 0 | 0 | 0 | 0 | 11.85 |
| 74 | 0 | 0 | 0 | 0.29 | 1.92 | 6.81 | 5.53 | 0.13 | 0 | 0 | 0 | 0 | 0 | 14.68 |
| 75 | 0 | 0 | 0 | 0.1 | 1.48 | 5.5 | 5.41 | 1.31 | 0 | 0 | 0 | 0 | 0 | 13.8 |
| 76 | 0 | 0 | 0 | 0.69 | 3.17 | 6.6 | 2.62 | 0.16 | 0 | 0 | 0 | 0 | 0 | 13.25 |
| 77 | 0 | 0 | 0 | 0.88 | 3.27 | 7.07 | 3.38 | 0 | 0 | 0 | 0 | 0 | 0 | 14.59 |
| 78 | 0 | 0 | 0 | 1.08 | 3.09 | 6.47 | 2.57 | 0.01 | 0 | 0 | 0 | 0 | 0 | 13.21 |
| 79 | 0 | 0 | 0 | 0.96 | 2.3 | 6.5 | 3.32 | 0 | 0 | 0 | 0 | 0 | 0 | 13.08 |
| 80 | 0 | 0 | 0 | 0.83 | 2.81 | 6.7 | 4.18 | 0.09 | 0 | 0 | 0 | 0 | 0 | 14.62 |
| 81 | 0 | 0 | 0 | 0.79 | 2.92 | 6.87 | 1.67 | 0 | 0 | 0 | 0 | 0 | 0 | 12.25 |
| 82 | 0 | 0 | 0 | 0.63 | 2.18 | 5.96 | 3.33 | 0 | 0 | 0 | 0 | 0 | 0 | 12.11 |
| 83 | 0 | 0 | 0 | 0 | 1.39 | 5.07 | 4.36 | 0.14 | 0 | 0 | 0 | 0 | 0 | 10.97 |
| 84 | 0 | 0 | 0 | 0.17 | 3.3 | 6.76 | 4.77 | 0.03 | 0 | 0 | 0 | 0 | 0 | 15.02 |
| 85 | 0 | 0 | 0.02 | 0 | 4.1 | 6.65 | 1.95 | 0.06 | 0 | 0 | 0 | 0 | 0 | 12.78 |
| 86 | 0 | 0 | 0 | 0.56 | 3.89 | 5.69 | 0.72 | 0 | 0 | 0 | 0 | 0 | 0 | 10.86 |
| 87 | 0 | 0 | 0 | 0.62 | 2.88 | 5.31 | 2.03 | 0 | 0 | 0 | 0 | 0 | 0 | 10.83 |
| 88 | 0 | 0 | 0 | 0 | 2.94 | 5.61 | 4.52 | 0 | 0 | 0 | 0 | 0 | 0 | 13.08 |
| 89 | 0 | 0 | 0.31 | 1.69 | 4.74 | 5.51 | 0.14 | 0 | 0 | 0 | 0 | 0 | 0 | 12.38 |
| 90 | 0 | 0 | 0.04 | 0.91 | 2.99 | 6.98 | 2.53 | 0 | 0 | 0 | 0 | 0 | 0 | 13.46 |
| 91 | 0 | 0 | 0 | 0.59 | 2.74 | 5.48 | 5.5 | 0 | 0 | 0 | 0 | 0 | 0 | 14.31 |
| 92 | 0 | 0 | 0 | 1.33 | 2.12 | 5.33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.78 |
| 93 | 0 | 0 | 0.03 | 1.04 | 3.74 | 6.48 | 3.5 | 0 | 0 | 0 | 0 | 0 | 0 | 14.79 |
| 94 | 0 | 0 | 0.09 | 0.32 | 3.69 | 6.07 | 1.07 | 0 | 0 | 0 | 0 | 0 | 0 | 11.23 |
| 95 | 0 | 0 | 0 | 0.31 | 2.27 | 6.34 | 5.02 | 0 | 0 | 0 | 0 | 0 | 0 | 13.94 |
| 96 | 0 | 0 | 0.1 | 1.13 | 4.74 | 6.72 | 1.43 | 0 | 0 | 0 | 0 | 0 | 0 | 14.12 |
| 97 | 0 | 0 | 0.21 | 0 | 4.14 | 4.52 | 1.45 | 0 | 0 | 0 | 0 | 0 | 0 | 10.31 |
| 98 | 0 | 0 | 0 | 0.23 | 2.25 | 5.91 | 4.33 | 0.42 | 0 | 0 | 0 | 0 | 0 | 13.14 |
| 99 | 0 | 0 | 0.32 | 0.82 | 3.94 | 5.18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.26 |
| 0 | 0 | 0 | 0 | 1.35 | 5.13 | 6.05 | 2.82 | 0 | 0 | 0 | 0 | 0 | 0 | 15.36 |
| 1 | 0 | 0 | 0.16 | 0.65 | 4.76 | 6.64 | 1.55 | 0 | 0 | 0 | 0 | 0 | 0 | 13.75 |
| 2 | 0 | 0 | 0.12 | 0.89 | 4.39 | 6.81 | 2.15 | 0 | 0 | 0 | 0 | 0 | 0 | 14.36 |
| 3 | 0 | 0 | 0 | 0.88 | 4.12 | 7.15 | 4.82 | 0.19 | 0 | 0 | 0 | 0 | 0 | 17.16 |
| 4 | 0 | 0 | 0.29 | 1.68 | 5.2 | 4.68 | 0.58 | 0 | 0 | 0 | 0 | 0 | 0 | 12.42 |
| 5 | 0 | 0 | 0 | 0.4 | 3.9 | 6.25 | 4.22 | 0.04 | 0 | 0 | 0 | 0 | 0 | 14.82 |
| 6 | 0 | 0 | 0 | 0.98 | 4.23 | 7.07 | 3.02 | 0 | 0 | 0 | 0 | 0 | 0 | 15.3 |
| 7 | 0 | 0 | 0 | 0.49 | 2.43 | 6.76 | 3.65 | 0 | 0 | 0 | 0 | 0 | 0 | 13.33 |
| 8 | 0 | 0 | 0 | 0.82 | 2.05 | 6.73 | 2.95 | 0 | 0 | 0 | 0 | 0 | 0 | 12.55 |
| AV | 0 | 0 | 0.05 | 0.68 | 3.29 | 6.21 | 3.03 | 0.08 | 0 | 0 | 0 | 0 | 0 | 13.35 |

MODIFIED B-C GROSS CONSUMPTIVE USE

Zuni Weather Station

Small Vegetables/Misc. Crops

| Year | Crop Potential Evapotranspiration (inches) | | | | | | | | | | | | Total |
|------|--|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| | January | February | March | April | May | June | July | August | September | October | November | December | |
| 49 | 0 | 0 | 0 | 0.45 | 1.91 | 3.83 | 5.33 | 4.66 | 2.92 | 0.37 | 0 | 0 | 19.47 |
| 50 | 0 | 0 | 0 | 0.64 | 1.86 | 3.81 | 5.25 | 4.66 | 2.72 | 1.47 | 0 | 0 | 20.42 |
| 51 | 0 | 0 | 0 | 0.17 | 1.63 | 3.31 | 5.72 | 4.69 | 2.59 | 0.24 | 0 | 0 | 18.35 |
| 52 | 0 | 0 | 0 | 0.33 | 2.01 | 4.09 | 5.22 | 4.28 | 0.94 | 0 | 0 | 0 | 16.87 |
| 53 | 0 | 0 | 0 | 0 | 0.82 | 3.25 | 5.34 | 4.64 | 3.04 | 0.63 | 0 | 0 | 17.73 |
| 54 | 0 | 0 | 0 | 0.79 | 2.18 | 3.83 | 5.54 | 4.47 | 2.87 | 0.7 | 0 | 0 | 20.37 |
| 55 | 0 | 0 | 0 | 0.07 | 1.43 | 3.41 | 4.91 | 4.78 | 2.75 | 0.32 | 0 | 0 | 17.66 |
| 56 | 0 | 0 | 0 | 0.14 | 1.62 | 3.99 | 4.86 | 4.48 | 3.24 | 0.87 | 0 | 0 | 19.2 |
| 57 | 0 | 0 | 0 | 0 | 1.19 | 3.5 | 5.06 | 4.49 | 2.57 | 0.31 | 0 | 0 | 17.12 |
| 58 | 0 | 0 | 0 | 0.2 | 1.82 | 4.01 | 5.13 | 5.11 | 3 | 0.92 | 0 | 0 | 20.19 |
| 59 | 0 | 0 | 0 | 0.46 | 1.87 | 4.42 | 5.56 | 4.25 | 1.79 | 0 | 0 | 0 | 18.34 |
| 60 | 0 | 0 | 0 | 0.35 | 1.7 | 4.15 | 5.55 | 5.14 | 3.17 | 0.73 | 0 | 0 | 20.79 |
| 61 | 0 | 0 | 0 | 0.27 | 1.73 | 4.29 | 5.53 | 4.74 | 2.46 | 0.4 | 0 | 0 | 19.42 |
| 62 | 0 | 0 | 0 | 0.67 | 1.81 | 3.78 | 5.48 | 5.12 | 3.18 | 1.19 | 0 | 0 | 21.24 |
| 63 | 0 | 0 | 0 | 0.32 | 1.86 | 3.53 | 5.6 | 4.64 | 3.53 | 1.65 | 0.03 | 0 | 21.14 |
| 64 | 0 | 0 | 0 | 0.09 | 1.57 | 3.57 | 5.65 | 4.7 | 2.76 | 0.56 | 0 | 0 | 18.89 |
| 65 | 0 | 0 | 0 | 0.13 | 1.49 | 3.32 | 5.3 | 4.31 | 1.4 | 0 | 0 | 0 | 15.95 |
| 66 | 0 | 0 | 0 | 0.58 | 2.32 | 4.03 | 5.85 | 4.93 | 2.8 | 0.61 | 0 | 0 | 21.11 |
| 67 | 0 | 0 | 0 | 0.17 | 1.54 | 3.61 | 5.61 | 4.57 | 2.64 | 0.3 | 0 | 0 | 18.44 |
| 68 | 0 | 0 | 0 | 0.11 | 1.46 | 3.64 | 5.12 | 4.2 | 2.72 | 0.69 | 0 | 0 | 17.94 |
| 69 | 0 | 0 | 0 | 0.4 | 1.98 | 3.77 | 5.66 | 5.19 | 2.67 | 0.2 | 0 | 0 | 19.86 |
| 70 | 0 | 0 | 0 | 0.01 | 1.49 | 3.58 | 5.55 | 4.95 | 2.37 | 0.24 | 0 | 0 | 18.18 |
| 71 | 0 | 0 | 0 | 0.01 | 1.33 | 3.84 | 5.62 | 4.19 | 1.29 | 0 | 0 | 0 | 16.27 |
| 72 | 0 | 0 | 0 | 0.23 | 1.54 | 3.4 | 5.46 | 4.73 | 3.01 | 1.22 | 0 | 0 | 19.6 |
| 73 | 0 | 0 | 0 | 0 | 1.21 | 3.3 | 5.05 | 3.53 | 0.17 | 0 | 0 | 0 | 13.26 |
| 74 | 0 | 0 | 0 | 0.01 | 1.5 | 3.95 | 5.03 | 4.2 | 1.91 | 0 | 0 | 0 | 16.61 |
| 75 | 0 | 0 | 0 | 0 | 0.86 | 2.98 | 4.84 | 4.36 | 2.3 | 0.15 | 0 | 0 | 15.49 |
| 76 | 0 | 0 | 0 | 0.25 | 1.76 | 3.65 | 5.17 | 4.34 | 2.44 | 0.17 | 0 | 0 | 17.79 |
| 77 | 0 | 0 | 0 | 0.25 | 1.51 | 3.8 | 5.02 | 4.8 | 3.05 | 1.17 | 0 | 0 | 19.6 |
| 78 | 0 | 0 | 0 | 0.13 | 1.33 | 3.69 | 5.35 | 4.1 | 2.38 | 0.63 | 0 | 0 | 17.6 |
| 79 | 0 | 0 | 0 | 0.32 | 1.66 | 3.53 | 5.02 | 4.25 | 3.11 | 0.99 | 0 | 0 | 18.89 |
| 80 | 0 | 0 | 0 | 0.05 | 1.2 | 3.47 | 5.1 | 4.38 | 2.84 | 0.62 | 0 | 0 | 17.65 |
| 81 | 0 | 0 | 0 | 0.59 | 1.84 | 4.07 | 5.03 | 4.49 | 2.58 | 0.6 | 0 | 0 | 19.21 |
| 82 | 0 | 0 | 0 | 0 | 1.2 | 3.16 | 4.71 | 4.41 | 2.09 | 0 | 0 | 0 | 15.57 |
| 83 | 0 | 0 | 0 | 0 | 1.06 | 2.86 | 4.91 | 4.23 | 2.6 | 0.46 | 0 | 0 | 16.11 |
| 84 | 0 | 0 | 0 | 0.17 | 1.82 | 3.57 | 5.35 | 4.63 | 2.75 | 0.44 | 0 | 0 | 18.73 |
| 85 | 0 | 0 | 0 | 0.45 | 2.05 | 4.11 | 5.4 | 4.37 | 1.49 | 0 | 0 | 0 | 17.86 |
| 86 | 0 | 0 | 0 | 0.28 | 1.74 | 3.99 | 5.13 | 4.79 | 2.07 | 0 | 0 | 0 | 18.01 |
| 87 | 0 | 0 | 0 | 0.38 | 1.83 | 4 | 4.73 | 3.87 | 0.97 | 0 | 0 | 0 | 15.78 |
| 88 | 0 | 0 | 0 | 0.13 | 1.59 | 3.89 | 5.41 | 4.28 | 1.24 | 0 | 0 | 0 | 16.55 |
| 89 | 0 | 0 | 0 | 1 | 2.51 | 4.09 | 5.56 | 3.83 | 0.97 | 0 | 0 | 0 | 17.97 |
| 90 | 0 | 0 | 0 | 0.51 | 1.79 | 4.29 | 5.18 | 4.33 | 2.81 | 0.38 | 0 | 0 | 19.29 |
| 91 | 0 | 0 | 0 | 0.04 | 1.36 | 3.3 | 5.31 | 4.79 | 2.51 | 0.21 | 0 | 0 | 17.51 |
| 92 | 0 | 0 | 0 | 0.69 | 2.1 | 3.63 | 4.83 | 4.37 | 2.48 | 0.3 | 0 | 0 | 18.4 |
| 93 | 0 | 0 | 0 | 0.25 | 1.85 | 3.76 | 5.06 | 4.46 | 1.85 | 0 | 0 | 0 | 17.22 |
| 94 | 0 | 0 | 0 | 0.38 | 1.91 | 4.31 | 5.82 | 5.74 | 2.61 | 0.24 | 0 | 0 | 21 |
| 95 | 0 | 0 | 0 | 0 | 1.11 | 3.29 | 5.25 | 5.37 | 2.5 | 0 | 0 | 0 | 17.52 |
| 96 | 0 | 0 | 0 | 0.53 | 2.33 | 4.39 | 5.86 | 4.76 | 1.9 | 0 | 0 | 0 | 19.78 |
| 97 | 0 | 0 | 0 | 0.22 | 1.85 | 3.64 | 5.28 | 5.03 | 3.08 | 0.35 | 0 | 0 | 19.47 |
| 98 | 0 | 0 | 0 | 0.02 | 1.37 | 3.21 | 5.63 | 5.14 | 2.95 | 0.26 | 0 | 0 | 18.58 |
| 99 | 0 | 0 | 0 | 0.09 | 1.51 | 3.59 | 5.37 | 4.71 | 2.7 | 0.34 | 0 | 0 | 18.32 |
| 0 | 0 | 0 | 0 | 0.76 | 2.6 | 4.71 | 5.99 | 4.69 | 2.04 | 0 | 0 | 0 | 20.8 |
| 1 | 0 | 0 | 0 | 0.5 | 2.16 | 4.17 | 5.67 | 4.9 | 2.94 | 0.52 | 0 | 0 | 20.85 |
| 2 | 0 | 0 | 0 | 0.82 | 2.21 | 4.54 | 5.86 | 4.58 | 2.4 | 0.16 | 0 | 0 | 20.57 |
| 3 | 0 | 0 | 0 | 0.23 | 1.88 | 3.87 | 6.06 | 5.04 | 2.95 | 0.69 | 0 | 0 | 20.73 |
| 4 | 0 | 0 | 0 | 0.41 | 2.08 | 4.24 | 5.29 | 4.33 | 1.63 | 0 | 0 | 0 | 17.97 |
| 5 | 0 | 0 | 0 | 0.3 | 1.86 | 3.52 | 5.65 | 4.56 | 2.83 | 0.45 | 0 | 0 | 19.16 |
| 6 | 0 | 0 | 0 | 0.52 | 2.32 | 4.56 | 5.45 | 3.9 | 1.03 | 0 | 0 | 0 | 17.78 |
| 7 | 0 | 0 | 0 | 0.13 | 1.62 | 3.77 | 5.34 | 4.36 | 1.77 | 0 | 0 | 0 | 16.99 |
| 8 | 0 | 0 | 0 | 0.05 | 1.4 | 3.83 | 5.08 | 4.11 | 0.94 | 0 | 0 | 0 | 15.41 |
| AV | 0 | 0 | 0 | 0.28 | 1.7 | 3.78 | 5.35 | 4.57 | 2.35 | 0.38 | 0 | 0 | 18.41 |

EFFECTIVE PRECIPITATION, Inches

Zuni Weather Station

| YR | Small Vegetables/Misc. Crops | | | | | | | | | | | | ANNUA L |
|----|------------------------------|-----|-----|--------|---------|---------|---------|--------|--------|-------|-----|-----|------------|
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| 49 | 0 | 0 | 0 | 0.03 | 0 | 0.95 | 1.6 | 0.92 | 0.97 | 0.17 | 0 | 0 | 4.64 |
| 50 | 0 | 0 | 0 | 0 | 0 | 0.09 | 1.1 | 0 | 0.48 | 0 | 0 | 0 | 1.67 |
| 51 | 0 | 0 | 0 | 0.05 | 0 | 0 | 0.73 | 1.28 | 0.25 | 0 | 0 | 0 | 2.31 |
| 52 | 0 | 0 | 0 | 0.33 | 0.08 | 0.89 | 1.17 | 1.89 | 0.22 | 0 | 0 | 0 | 4.58 |
| 53 | 0 | 0 | 0 | 0 | 0.14 | 0.17 | 0.47 | 0.53 | 0 | 0.13 | 0 | 0 | 1.44 |
| 54 | 0 | 0 | 0 | 0.1 | 0.61 | 0 | 1.62 | 0.45 | 1.03 | 0.07 | 0 | 0 | 3.88 |
| 55 | 0 | 0 | 0 | 0 | 0.08 | 0.5 | 1.96 | 1.89 | 0 | 0 | 0 | 0 | 4.43 |
| 56 | 0 | 0 | 0 | 0 | 0 | 0 | 2.34 | 0.61 | 0 | 0.12 | 0 | 0 | 3.07 |
| 57 | 0 | 0 | 0 | 0 | 0.72 | 0.5 | 2.62 | 1.4 | 0 | 0.31 | 0 | 0 | 5.55 |
| 58 | 0 | 0 | 0 | 0.03 | 0.08 | 0.19 | 0.71 | 1.72 | 1.65 | 0.33 | 0 | 0 | 4.71 |
| 59 | 0 | 0 | 0 | 0.12 | 0 | 0 | 1.27 | 1.71 | 0.13 | 0 | 0 | 0 | 3.23 |
| 60 | 0 | 0 | 0 | 0.01 | 0.31 | 0.44 | 0.64 | 0.29 | 0.64 | 0.73 | 0 | 0 | 3.06 |
| 61 | 0 | 0 | 0 | 0 | 0 | 0 | 1.48 | 2.14 | 0.47 | 0.4 | 0 | 0 | 4.49 |
| 62 | 0 | 0 | 0 | 0.18 | 0 | 0 | 0.47 | 0.47 | 1.48 | 1.19 | 0 | 0 | 3.79 |
| 63 | 0 | 0 | 0 | 0 | 0 | 0 | 0.48 | 3.6 | 1.13 | 1.25 | 0 | 0 | 6.46 |
| 64 | 0 | 0 | 0 | 0 | 0 | 0 | 2.38 | 2.01 | 0.89 | 0 | 0 | 0 | 5.28 |
| 65 | 0 | 0 | 0 | 0.03 | 0.38 | 0.99 | 2.59 | 1.32 | 0.25 | 0 | 0 | 0 | 5.56 |
| 66 | 0 | 0 | 0 | 0.28 | 0 | 0 | 1.22 | 2.03 | 2.03 | 0 | 0 | 0 | 5.56 |
| 67 | 0 | 0 | 0 | 0 | 0.16 | 0.51 | 2.38 | 2.78 | 1.5 | 0 | 0 | 0 | 7.33 |
| 68 | 0 | 0 | 0 | 0.08 | 0.38 | 0.18 | 1.92 | 2.13 | 0.17 | 0.24 | 0 | 0 | 5.1 |
| 69 | 0 | 0 | 0 | 0.05 | 0.92 | 0 | 2.12 | 1.38 | 1.39 | 0.14 | 0 | 0 | 6 |
| 70 | 0 | 0 | 0 | 0 | 0 | 0.58 | 1.41 | 1.23 | 1.19 | 0.08 | 0 | 0 | 4.49 |
| 71 | 0 | 0 | 0 | 0 | 0 | 0 | 0.82 | 2.49 | 1.29 | 0 | 0 | 0 | 4.6 |
| 72 | 0 | 0 | 0 | 0 | 0.31 | 1.06 | 0.72 | 0.62 | 0.49 | 1.22 | 0 | 0 | 4.42 |
| 73 | 0 | 0 | 0 | 0 | 0.5 | 0.18 | 2.3 | 0.86 | 0 | 0 | 0 | 0 | 3.84 |
| 74 | 0 | 0 | 0 | 0 | 0 | 0 | 1.16 | 1.76 | 0.43 | 0 | 0 | 0 | 3.35 |
| 75 | 0 | 0 | 0 | 0 | 0 | 0 | 1.42 | 0.68 | 1.76 | 0 | 0 | 0 | 3.86 |
| 76 | 0 | 0 | 0 | 0 | 0.24 | 0 | 2.57 | 0.83 | 0.47 | 0 | 0 | 0 | 4.11 |
| 77 | 0 | 0 | 0 | 0 | 0.08 | 0.09 | 1.3 | 2.82 | 0.91 | 0.23 | 0 | 0 | 5.43 |
| 78 | 0 | 0 | 0 | 0 | 0.44 | 0 | 0.48 | 0.44 | 0.25 | 0.11 | 0 | 0 | 1.72 |
| 79 | 0 | 0 | 0 | 0 | 1.19 | 0 | 1.01 | 1.04 | 0 | 0.38 | 0 | 0 | 3.62 |
| 80 | 0 | 0 | 0 | 0 | 0.16 | 0 | 0.55 | 0.75 | 0.34 | 0.03 | 0 | 0 | 1.83 |
| 81 | 0 | 0 | 0 | 0.25 | 0.66 | 0.18 | 2.17 | 1.66 | 0.95 | 0.27 | 0 | 0 | 6.14 |
| 82 | 0 | 0 | 0 | 0 | 0.42 | 0 | 1.68 | 3.39 | 1.15 | 0 | 0 | 0 | 6.64 |
| 83 | 0 | 0 | 0 | 0 | 0.18 | 0.17 | 2.47 | 1.96 | 0.89 | 0.27 | 0 | 0 | 5.94 |
| 84 | 0 | 0 | 0 | 0.09 | 0 | 0 | 1.33 | 1.48 | 2.75 | 0.44 | 0 | 0 | 6.09 |
| 85 | 0 | 0 | 0 | 0.45 | 0 | 0.09 | 1.75 | 0.09 | 0.59 | 0 | 0 | 0 | 2.97 |
| 86 | 0 | 0 | 0 | 0.14 | 0.24 | 0.59 | 1.99 | 2.33 | 0.92 | 0 | 0 | 0 | 6.21 |
| 87 | 0 | 0 | 0 | 0.15 | 0.45 | 1.16 | 2.14 | 1.36 | 0.04 | 0 | 0 | 0 | 5.3 |
| 88 | 0 | 0 | 0 | 0.13 | 0.23 | 1.08 | 0.88 | 3.74 | 0.56 | 0 | 0 | 0 | 6.62 |
| 89 | 0 | 0 | 0 | 0 | 0.08 | 0 | 2.23 | 1.29 | 0 | 0 | 0 | 0 | 3.6 |
| 90 | 0 | 0 | 0 | 0.14 | 0.72 | 0.09 | 0.55 | 1.71 | 1.51 | 0.15 | 0 | 0 | 4.87 |
| 91 | 0 | 0 | 0 | 0 | 0 | 0.65 | 0.38 | 1.76 | 0.68 | 0.02 | 0 | 0 | 3.49 |
| 92 | 0 | 0 | 0 | 0 | 2 | 0.18 | 3.06 | 1.97 | 0.4 | 0.13 | 0 | 0 | 7.74 |
| 93 | 0 | 0 | 0 | 0 | 0.32 | 0 | 0 | 2.41 | 0 | 0 | 0 | 0 | 2.73 |
| 94 | 0 | 0 | 0 | 0.35 | 0.73 | 0.53 | 1.58 | 1.35 | 1.14 | 0.24 | 0 | 0 | 5.92 |
| 95 | 0 | 0 | 0 | 0 | 0.45 | 0 | 0.29 | 1.81 | 0.08 | 0 | 0 | 0 | 2.63 |
| 96 | 0 | 0 | 0 | 0 | 0 | 0.28 | 2.27 | 1.42 | 1.56 | 0 | 0 | 0 | 5.53 |
| 97 | 0 | 0 | 0 | 0.22 | 0.59 | 1.14 | 0.8 | 2.79 | 0.77 | 0.14 | 0 | 0 | 6.45 |
| 98 | 0 | 0 | 0 | 0 | 0 | 0 | 2.64 | 1.38 | 0.97 | 0.26 | 0 | 0 | 5.25 |
| 99 | 0 | 0 | 0 | 0 | 0.45 | 0.26 | 2.27 | 2.51 | 0.82 | 0 | 0 | 0 | 6.31 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0.85 | 0 | 1.55 | 0.24 | 0 | 0 | 0 | 2.64 |
| 1 | 0 | 0 | 0 | 0.28 | 0.08 | 0 | 1.35 | 2.59 | 0.63 | 0 | 0 | 0 | 4.93 |
| 2 | 0 | 0 | 0 | 0.39 | 0 | 0.19 | 0.98 | 1.4 | 1.77 | 0.08 | 0 | 0 | 4.81 |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0.75 | 0.62 | 0.41 | 0.23 | 0 | 0 | 2.01 |
| 4 | 0 | 0 | 0 | 0.13 | 0 | 0.1 | 0.29 | 0.97 | 0.58 | 0 | 0 | 0 | 2.07 |
| 5 | 0 | 0 | 0 | 0.18 | 0.09 | 0.08 | 0.57 | 0.84 | 0.26 | 0.12 | 0 | 0 | 2.14 |
| 6 | 0 | 0 | 0 | 0.04 | 0 | 0.37 | 1.4 | 1.35 | 0.54 | 0 | 0 | 0 | 3.7 |
| 7 | 0 | 0 | 0 | 0 | 0.9 | 0 | 1.53 | 2.63 | 0.18 | 0 | 0 | 0 | 5.24 |
| 8 | 0 | 0 | 0 | 0 | 1.06 | 0 | 1.51 | 0.96 | 0.07 | 0 | 0 | 0 | 3.6 |
| AV | 0 | 0 | 0 | 0.0705 | 0.27383 | 0.25517 | 1.39783 | 1.5565 | 0.7045 | 0.158 | 0 | 0 | 4.41633 |

MODIFIED B-C CONSUMPTIVE USE OF IRRIGATION WATER

Zuni Weather Station

Small Vegetables/Misc. Crops

Crop Irrigation Requirement (inches)

| Year | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|------|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| 49 | 0 | 0 | 0 | 0.42 | 1.91 | 2.88 | 3.73 | 3.74 | 1.95 | 0.2 | 0 | 0 | 14.83 |
| 50 | 0 | 0 | 0 | 0.64 | 1.86 | 3.72 | 4.15 | 4.66 | 2.24 | 1.47 | 0 | 0 | 18.75 |
| 51 | 0 | 0 | 0 | 0.12 | 1.63 | 3.31 | 4.99 | 3.41 | 2.34 | 0.24 | 0 | 0 | 16.03 |
| 52 | 0 | 0 | 0 | 0 | 1.93 | 3.2 | 4.05 | 2.39 | 0.72 | 0 | 0 | 0 | 12.28 |
| 53 | 0 | 0 | 0 | 0 | 0.68 | 3.08 | 4.87 | 4.11 | 3.04 | 0.5 | 0 | 0 | 16.27 |
| 54 | 0 | 0 | 0 | 0.69 | 1.57 | 3.83 | 3.92 | 4.02 | 1.84 | 0.63 | 0 | 0 | 16.5 |
| 55 | 0 | 0 | 0 | 0.07 | 1.35 | 2.91 | 2.95 | 2.89 | 2.75 | 0.32 | 0 | 0 | 13.24 |
| 56 | 0 | 0 | 0 | 0.14 | 1.62 | 3.99 | 2.52 | 3.87 | 3.24 | 0.75 | 0 | 0 | 16.14 |
| 57 | 0 | 0 | 0 | 0 | 0.47 | 3 | 2.44 | 3.09 | 2.57 | 0 | 0 | 0 | 11.57 |
| 58 | 0 | 0 | 0 | 0.17 | 1.74 | 3.82 | 4.42 | 3.39 | 1.35 | 0.59 | 0 | 0 | 15.48 |
| 59 | 0 | 0 | 0 | 0.34 | 1.87 | 4.42 | 4.29 | 2.54 | 1.66 | 0 | 0 | 0 | 15.13 |
| 60 | 0 | 0 | 0 | 0.34 | 1.39 | 3.71 | 4.91 | 4.85 | 2.53 | 0 | 0 | 0 | 17.73 |
| 61 | 0 | 0 | 0 | 0.27 | 1.73 | 4.29 | 4.05 | 2.6 | 1.99 | 0 | 0 | 0 | 14.93 |
| 62 | 0 | 0 | 0 | 0.49 | 1.81 | 3.78 | 5.01 | 4.65 | 1.7 | 0 | 0 | 0 | 17.44 |
| 63 | 0 | 0 | 0 | 0.32 | 1.86 | 3.53 | 5.12 | 1.04 | 2.4 | 0.4 | 0.03 | 0 | 14.68 |
| 64 | 0 | 0 | 0 | 0.09 | 1.57 | 3.57 | 3.27 | 2.69 | 1.87 | 0.56 | 0 | 0 | 13.62 |
| 65 | 0 | 0 | 0 | 0.1 | 1.11 | 2.33 | 2.71 | 2.99 | 1.15 | 0 | 0 | 0 | 10.4 |
| 66 | 0 | 0 | 0 | 0.3 | 2.32 | 4.03 | 4.63 | 2.9 | 0.77 | 0.61 | 0 | 0 | 15.56 |
| 67 | 0 | 0 | 0 | 0.17 | 1.38 | 3.1 | 3.23 | 1.79 | 1.14 | 0.3 | 0 | 0 | 11.12 |
| 68 | 0 | 0 | 0 | 0.03 | 1.08 | 3.46 | 3.2 | 2.07 | 2.55 | 0.45 | 0 | 0 | 12.84 |
| 69 | 0 | 0 | 0 | 0.35 | 1.06 | 3.77 | 3.54 | 3.81 | 1.28 | 0.06 | 0 | 0 | 13.86 |
| 70 | 0 | 0 | 0 | 0.01 | 1.49 | 3 | 4.14 | 3.72 | 1.18 | 0.16 | 0 | 0 | 13.71 |
| 71 | 0 | 0 | 0 | 0.01 | 1.33 | 3.84 | 4.8 | 1.7 | 0 | 0 | 0 | 0 | 11.68 |
| 72 | 0 | 0 | 0 | 0.23 | 1.23 | 2.34 | 4.74 | 4.11 | 2.52 | 0 | 0 | 0 | 15.17 |
| 73 | 0 | 0 | 0 | 0 | 0.71 | 3.12 | 2.75 | 2.67 | 0.17 | 0 | 0 | 0 | 9.42 |
| 74 | 0 | 0 | 0 | 0.01 | 1.5 | 3.95 | 3.87 | 2.44 | 1.48 | 0 | 0 | 0 | 13.26 |
| 75 | 0 | 0 | 0 | 0 | 0.86 | 2.98 | 3.42 | 3.68 | 0.54 | 0.15 | 0 | 0 | 11.63 |
| 76 | 0 | 0 | 0 | 0.25 | 1.52 | 3.65 | 2.6 | 3.51 | 1.97 | 0.17 | 0 | 0 | 13.67 |
| 77 | 0 | 0 | 0 | 0.25 | 1.43 | 3.71 | 3.72 | 1.98 | 2.14 | 0.94 | 0 | 0 | 14.17 |
| 78 | 0 | 0 | 0 | 0.13 | 0.89 | 3.69 | 4.87 | 3.66 | 2.13 | 0.52 | 0 | 0 | 15.88 |
| 79 | 0 | 0 | 0 | 0.32 | 0.47 | 3.53 | 4.01 | 3.21 | 3.11 | 0.61 | 0 | 0 | 15.27 |
| 80 | 0 | 0 | 0 | 0.05 | 1.04 | 3.47 | 4.55 | 3.63 | 2.5 | 0.59 | 0 | 0 | 15.82 |
| 81 | 0 | 0 | 0 | 0.34 | 1.18 | 3.89 | 2.86 | 2.83 | 1.63 | 0.33 | 0 | 0 | 13.06 |
| 82 | 0 | 0 | 0 | 0 | 0.78 | 3.16 | 3.03 | 1.02 | 0.94 | 0 | 0 | 0 | 8.93 |
| 83 | 0 | 0 | 0 | 0 | 0.88 | 2.69 | 2.44 | 2.27 | 1.71 | 0.19 | 0 | 0 | 10.18 |
| 84 | 0 | 0 | 0 | 0.08 | 1.82 | 3.57 | 4.02 | 3.15 | 0 | 0 | 0 | 0 | 12.64 |
| 85 | 0 | 0 | 0 | 0 | 2.05 | 4.02 | 3.65 | 4.28 | 0.9 | 0 | 0 | 0 | 14.88 |
| 86 | 0 | 0 | 0 | 0.14 | 1.5 | 3.4 | 3.14 | 2.46 | 1.15 | 0 | 0 | 0 | 11.79 |
| 87 | 0 | 0 | 0 | 0.23 | 1.38 | 2.84 | 2.59 | 2.51 | 0.93 | 0 | 0 | 0 | 10.48 |
| 88 | 0 | 0 | 0 | 0 | 1.36 | 2.81 | 4.53 | 0.54 | 0.68 | 0 | 0 | 0 | 9.9 |
| 89 | 0 | 0 | 0 | 1 | 2.43 | 4.09 | 3.33 | 2.54 | 0.97 | 0 | 0 | 0 | 14.36 |
| 90 | 0 | 0 | 0 | 0.37 | 1.07 | 4.2 | 4.63 | 2.62 | 1.3 | 0.23 | 0 | 0 | 14.42 |
| 91 | 0 | 0 | 0 | 0.04 | 1.36 | 2.65 | 4.93 | 3.03 | 1.83 | 0.19 | 0 | 0 | 14.03 |
| 92 | 0 | 0 | 0 | 0.69 | 0.1 | 3.45 | 1.77 | 2.4 | 2.08 | 0.17 | 0 | 0 | 10.66 |
| 93 | 0 | 0 | 0 | 0.25 | 1.53 | 3.76 | 5.06 | 2.05 | 1.85 | 0 | 0 | 0 | 14.5 |
| 94 | 0 | 0 | 0 | 0.03 | 1.18 | 3.78 | 4.24 | 4.39 | 1.47 | 0 | 0 | 0 | 15.08 |
| 95 | 0 | 0 | 0 | 0 | 0.66 | 3.29 | 4.96 | 3.56 | 2.42 | 0 | 0 | 0 | 14.88 |
| 96 | 0 | 0 | 0 | 0.53 | 2.33 | 4.11 | 3.59 | 3.34 | 0.34 | 0 | 0 | 0 | 14.24 |
| 97 | 0 | 0 | 0 | 0 | 1.26 | 2.5 | 4.48 | 2.24 | 2.31 | 0.21 | 0 | 0 | 13.01 |
| 98 | 0 | 0 | 0 | 0.02 | 1.37 | 3.21 | 2.99 | 3.76 | 1.98 | 0 | 0 | 0 | 13.33 |
| 99 | 0 | 0 | 0 | 0.09 | 1.06 | 3.33 | 3.1 | 2.2 | 1.88 | 0.34 | 0 | 0 | 12 |
| 0 | 0 | 0 | 0 | 0.76 | 2.6 | 3.86 | 5.99 | 3.14 | 1.8 | 0 | 0 | 0 | 18.16 |
| 1 | 0 | 0 | 0 | 0.22 | 2.08 | 4.17 | 4.32 | 2.31 | 2.31 | 0.52 | 0 | 0 | 15.92 |
| 2 | 0 | 0 | 0 | 0.43 | 2.21 | 4.35 | 4.88 | 3.18 | 0.63 | 0.08 | 0 | 0 | 15.76 |
| 3 | 0 | 0 | 0 | 0.23 | 1.88 | 3.87 | 5.31 | 4.42 | 2.54 | 0.46 | 0 | 0 | 18.71 |
| 4 | 0 | 0 | 0 | 0.28 | 2.08 | 4.14 | 5 | 3.36 | 1.05 | 0 | 0 | 0 | 15.91 |
| 5 | 0 | 0 | 0 | 0.12 | 1.77 | 3.44 | 5.08 | 3.72 | 2.57 | 0.33 | 0 | 0 | 17.03 |
| 6 | 0 | 0 | 0 | 0.48 | 2.32 | 4.19 | 4.05 | 2.55 | 0.49 | 0 | 0 | 0 | 14.07 |
| 7 | 0 | 0 | 0 | 0.13 | 0.72 | 3.77 | 3.81 | 1.73 | 1.59 | 0 | 0 | 0 | 11.75 |
| 8 | 0 | 0 | 0 | 0.05 | 0.34 | 3.83 | 3.57 | 3.15 | 0.87 | 0 | 0 | 0 | 11.8 |
| AV | 0 | 0 | 0 | 0.21 | 1.43 | 3.52 | 3.95 | 3.01 | 1.65 | 0.22 | 0 | 0 | 13.99 |

**MODIFIED B-C GROSS CONSUMPTIVE USE
El Morro Weather Station**

Alfalfa

| Year | Crop Potential Evapotranspiration (inches) | | | | | | | | | | | | | Total |
|------|--|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|-------|
| | January | February | March | April | May | June | July | August | September | October | November | December | | |
| 38 | 0 | 0 | 0 | 0 | 2.71 | 5.58 | 6.31 | 5.53 | 3.44 | 0.72 | 0 | 0 | 24.28 | |
| 39 | 0 | 0 | 0 | 0.58 | 3.61 | 5.41 | 6.72 | 5.75 | 3.82 | 0.4 | 0 | 0 | 26.28 | |
| 40 | 0 | 0 | 0 | 0.29 | 3.81 | 5.75 | 6.81 | 5.51 | 3.48 | 1.61 | 0 | 0 | 27.26 | |
| 41 | 0 | 0 | 0 | 0 | 3.05 | 4.58 | 6 | 5.23 | 1.19 | 0 | 0 | 0 | 20.06 | |
| 42 | 0 | 0 | 0 | 0.64 | 3.48 | 5.07 | 6.76 | 5.43 | 3.64 | 0.33 | 0 | 0 | 25.35 | |
| 43 | 0 | 0 | 0 | 0.75 | 3.51 | 5.29 | 6.65 | 5.68 | 3.6 | 0.95 | 0 | 0 | 26.43 | |
| 44 | 0 | 0 | 0 | 0 | 2.74 | 5.05 | 6.33 | 5.72 | 3.49 | 0.26 | 0 | 0 | 23.61 | |
| 45 | 0 | 0 | 0 | 0 | 2.89 | 4.56 | 6.67 | 6.01 | 3.58 | 0 | 0 | 0 | 23.71 | |
| 46 | 0 | 0 | 0 | 1.47 | 3.21 | 5.68 | 6.42 | 5.61 | 4.26 | 0.57 | 0 | 0 | 27.22 | |
| 47 | 0 | 0 | 0 | 0.22 | 4.04 | 5.01 | 6.95 | 5.37 | 3.88 | 1.26 | 0 | 0 | 26.73 | |
| 48 | 0 | 0 | 0 | 0.68 | 3.81 | 5.39 | 6.95 | 5.64 | 3.79 | 0.58 | 0 | 0 | 26.84 | |
| 49 | 0 | 0 | 0 | 0 | 3 | 5.25 | 6.4 | 5.31 | 3.91 | 0.68 | 0 | 0 | 24.54 | |
| 50 | 0 | 0 | 0 | 0.27 | 3.32 | 5.33 | 6.18 | 5.14 | 1.77 | 0 | 0 | 0 | 22 | |
| 51 | 0 | 0 | 0 | 0 | 3.57 | 4.93 | 7.16 | 5.62 | 3.68 | 0.49 | 0 | 0 | 25.45 | |
| 52 | 0 | 0 | 0 | 0.27 | 3.8 | 5.62 | 6.27 | 5.75 | 1.87 | 0 | 0 | 0 | 23.58 | |
| 53 | 0 | 0 | 0 | 0 | 1.79 | 5.88 | 6.9 | 5.39 | 3.83 | 0 | 0 | 0 | 23.78 | |
| 54 | 0 | 0 | 0 | 1.32 | 3.85 | 5.5 | 6.9 | 5.31 | 3.79 | 1.2 | 0 | 0 | 27.86 | |
| 55 | 0 | 0 | 0 | 0 | 3.01 | 5.21 | 6.35 | 5.53 | 3.74 | 0 | 0 | 0 | 23.84 | |
| 56 | 0 | 0 | 0 | 0.01 | 3.88 | 6.01 | 6.29 | 5.02 | 3.95 | 1.13 | 0 | 0 | 26.29 | |
| 57 | 0 | 0 | 0 | 0 | 2.34 | 5.52 | 6.49 | 5.21 | 2.38 | 0 | 0 | 0 | 21.95 | |
| 58 | 0 | 0 | 0 | 0.11 | 4.04 | 5.98 | 6.44 | 5.81 | 3.7 | 1.36 | 0 | 0 | 27.44 | |
| 59 | 0 | 0 | 0 | 0.17 | 3.47 | 6.11 | 6.9 | 5.31 | 2.94 | 0 | 0 | 0 | 24.9 | |
| 60 | 0 | 0 | 0 | 0 | 3.25 | 5.62 | 6.58 | 5.89 | 3.88 | 0.91 | 0 | 0 | 26.13 | |
| 61 | 0 | 0 | 0 | 0 | 3.46 | 6.03 | 6.69 | 5.51 | 0.54 | 0 | 0 | 0 | 22.22 | |
| 62 | 0 | 0 | 0 | 0.41 | 3.23 | 5.03 | 6.31 | 5.57 | 3.6 | 0.55 | 0 | 0 | 24.69 | |
| 63 | 0 | 0 | 0 | 0.17 | 3.88 | 5.07 | 6.95 | 5.12 | 3.85 | 1.17 | 0 | 0 | 26.21 | |
| 64 | 0 | 0 | 0 | 0 | 2.77 | 5.03 | 6.69 | 5.18 | 3.37 | 0.56 | 0 | 0 | 23.59 | |
| 65 | 0 | 0 | 0 | 0 | 2.14 | 4.45 | 6.29 | 5.55 | 2.37 | 0 | 0 | 0 | 20.79 | |
| 66 | 0 | 0 | 0 | 0.23 | 3.88 | 5.21 | 6.83 | 5.47 | 3.49 | 1.02 | 0 | 0 | 26.13 | |
| 67 | 0 | 0 | 0 | 0 | 2.81 | 5.03 | 6.81 | 5.08 | 3.49 | 0.63 | 0 | 0 | 23.85 | |
| 68 | 0 | 0 | 0 | 0 | 2.43 | 5.23 | 6.2 | 4.82 | 2.65 | 0 | 0 | 0 | 21.32 | |
| 69 | 0 | 0 | 0 | 0.35 | 3.71 | 5.01 | 6.88 | 6.03 | 3.74 | 0.39 | 0 | 0 | 26.11 | |
| 70 | 0 | 0 | 0 | 0 | 2.95 | 5.31 | 6.83 | 5.66 | 2.78 | 0 | 0 | 0 | 23.53 | |
| 71 | 0 | 0 | 0 | 0 | 2.24 | 5.39 | 6.97 | 5.16 | 2.27 | 0 | 0 | 0 | 22.03 | |
| 72 | 0 | 0 | 0 | 0 | 3.2 | 5.33 | 6.81 | 5.35 | 3.38 | 0 | 0 | 0 | 24.07 | |
| 73 | 0 | 0 | 0 | 0 | 2.57 | 5.05 | 6.24 | 5.49 | 3.1 | 0 | 0 | 0 | 22.46 | |
| 74 | 0 | 0 | 0 | 0.15 | 3.88 | 6.31 | 6.38 | 5.12 | 3.36 | 0 | 0 | 0 | 25.2 | |
| 75 | 0 | 0 | 0 | 0 | 1.89 | 4.75 | 6.44 | 5.33 | 3.27 | 0.68 | 0 | 0 | 22.36 | |
| 76 | 0 | 0 | 0 | 0.04 | 3.63 | 5.29 | 6.62 | 5.41 | 3.67 | 0.46 | 0 | 0 | 25.13 | |
| 77 | 0 | 0 | 0 | 0 | 2.97 | 5.62 | 6.47 | 5.87 | 3.77 | 0.91 | 0 | 0 | 25.61 | |
| 78 | 0 | 0 | 0 | 0 | 2.99 | 5.41 | 6.62 | 5.14 | 2.63 | 0 | 0 | 0 | 22.79 | |
| 79 | 0 | 0 | 0 | 0 | 2.93 | 5.23 | 6.56 | 5.08 | 4 | 1.24 | 0 | 0 | 25.03 | |
| 80 | 0 | 0 | 0 | 0 | 2.49 | 5.71 | 7.02 | 5.61 | 3.77 | 1.13 | 0 | 0 | 25.72 | |
| 81 | 0 | 0 | 0 | 0.74 | 3.45 | 6.07 | 6.56 | 5.66 | 3.65 | 1.2 | 0 | 0 | 27.34 | |
| 82 | 0 | 0 | 0 | 0 | 2.84 | 4.89 | 6.22 | 5.51 | 3.66 | 0 | 0 | 0 | 23.11 | |
| 83 | 0 | 0 | 0 | 0 | 2.51 | 4.71 | 6.29 | 5.59 | 2.92 | 0 | 0 | 0 | 22.01 | |
| 84 | 0 | 0 | 0 | 0.06 | 4.18 | 5.45 | 6.69 | 5.33 | 3.6 | 0.78 | 0 | 0 | 26.1 | |
| 85 | 0 | 0 | 0 | 0.71 | 3.66 | 5.79 | 6.85 | 5.61 | 3.13 | 0 | 0 | 0 | 25.75 | |
| 86 | 0 | 0 | 0 | 0.14 | 3.47 | 5.35 | 6.02 | 5.72 | 1.41 | 0 | 0 | 0 | 22.12 | |
| 87 | 0 | 0 | 0 | 0 | 3.15 | 5.25 | 5.81 | 5.29 | 3.23 | 1.19 | 0 | 0 | 23.92 | |
| 88 | 0 | 0 | 0 | 0 | 3.54 | 5.6 | 6.38 | 5.31 | 2.63 | 0 | 0 | 0 | 23.45 | |
| 89 | 0 | 0 | 0 | 1.41 | 3.95 | 5.27 | 6.6 | 5.16 | 2.65 | 0 | 0 | 0 | 25.04 | |
| 90 | 0 | 0 | 0 | 0.31 | 3.35 | 6.03 | 6.22 | 4.95 | 3.91 | 0.7 | 0 | 0 | 25.47 | |
| 91 | 0 | 0 | 0 | 0 | 3.06 | 4.71 | 6.24 | 5.45 | 3.57 | 0.41 | 0 | 0 | 23.44 | |
| 92 | 0 | 0 | 0 | 0.72 | 3.53 | 4.79 | 5.74 | 5.12 | 3.55 | 0.64 | 0 | 0 | 24.1 | |
| 93 | 0 | 0 | 0 | 0 | 3.59 | 5.13 | 6.13 | 5.18 | 2.95 | 0 | 0 | 0 | 22.97 | |
| 94 | 0 | 0 | 0 | 0.05 | 3.56 | 5.79 | 6.6 | 5.89 | 3.47 | 0.15 | 0 | 0 | 25.51 | |
| 95 | 0 | 0 | 0 | 0 | 2.02 | 4.75 | 6.2 | 6.13 | 3.57 | 0.24 | 0 | 0 | 22.91 | |
| 96 | 0 | 0 | 0 | 0.48 | 4.02 | 5.77 | 6.65 | 5.53 | 2.88 | 0 | 0 | 0 | 25.33 | |
| 97 | 0 | 0 | 0 | 0 | 3.67 | 4.93 | 6.11 | 5.49 | 4.09 | 0.7 | 0 | 0 | 24.98 | |
| 98 | 0 | 0 | 0 | 0 | 2.88 | 4.75 | 6.58 | 5.55 | 4.14 | 0.52 | 0 | 0 | 24.42 | |
| 99 | 0 | 0 | 0 | 0 | 2.99 | 5.07 | 6.13 | 5.39 | 3.48 | 0.69 | 0 | 0 | 23.75 | |
| 0 | 0 | 0 | 0 | 0.93 | 3.92 | 5.81 | 6.62 | 5.77 | 3.15 | 0 | 0 | 0 | 26.2 | |
| 1 | 0 | 0 | 0 | 0.58 | 3.9 | 5.66 | 6.6 | 5.51 | 1.3 | 0 | 0 | 0 | 23.55 | |
| 2 | 0 | 0 | 0 | 1.37 | 3.66 | 5.98 | 6.6 | 5.47 | 3.51 | 0.31 | 0 | 0 | 26.9 | |
| 3 | 0 | 0 | 0 | 0.05 | 3.87 | 5.58 | 7.35 | 5.79 | 3.7 | 1.2 | 0 | 0 | 27.52 | |
| 4 | 0 | 0 | 0 | 0.1 | 3.73 | 5.35 | 6.2 | 4.99 | 2.58 | 0 | 0 | 0 | 22.95 | |
| 5 | 0 | 0 | 0 | 0.17 | 3.75 | 5.03 | 6.6 | 5.29 | 3.77 | 0.96 | 0 | 0 | 25.57 | |
| 6 | 0 | 0 | 0 | 0.99 | 4.09 | 6.18 | 6.69 | 4.95 | 1.64 | 0 | 0 | 0 | 24.55 | |
| 7 | 0 | 0 | 0 | 0 | 2.35 | 5.52 | 6.69 | 5.75 | 3.23 | 0 | 0 | 0 | 23.54 | |
| 8 | 0 | 0 | 0 | 0 | 2.62 | 5.48 | 6.4 | 5.51 | 3.44 | 0.87 | 0 | 0 | 24.3 | |
| AV | 0 | 0 | 0 | 0.24 | 3.26 | 5.36 | 6.53 | 5.45 | 3.23 | 0.45 | 0 | 0 | 24.52 | |

EFFECTIVE PRECIPITATION, Inches

El Morro Weather Station

| YR | Alfalfa | | | | | | | | | | | | | ANNUAL |
|----|---------|-----|-----|------|------|------|------|------|------|------|-----|-----|------|--------|
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | | |
| 38 | 0 | 0 | 0 | 0 | 0.26 | 0.81 | 0.85 | 1.49 | 1.32 | 0 | 0 | 0 | 4.73 | |
| 39 | 0 | 0 | 0 | 0.06 | 0 | 0 | 1.04 | 0.82 | 0.95 | 0.03 | 0 | 0 | 2.9 | |
| 40 | 0 | 0 | 0 | 0.01 | 0.26 | 0.39 | 2.33 | 2.36 | 1.51 | 0.45 | 0 | 0 | 7.31 | |
| 41 | 0 | 0 | 0 | 0 | 0.88 | 0.45 | 1.15 | 1.66 | 0.59 | 0 | 0 | 0 | 4.73 | |
| 42 | 0 | 0 | 0 | 0.05 | 0 | 0 | 0.87 | 1.89 | 0.51 | 0.03 | 0 | 0 | 3.35 | |
| 43 | 0 | 0 | 0 | 0.03 | 0.26 | 0.56 | 2.17 | 2.31 | 0.59 | 0.39 | 0 | 0 | 6.31 | |
| 44 | 0 | 0 | 0 | 0 | 0.31 | 0.63 | 1.09 | 0.89 | 0.79 | 0.05 | 0 | 0 | 3.76 | |
| 45 | 0 | 0 | 0 | 0 | 0 | 0 | 1.43 | 2.36 | 0.35 | 0 | 0 | 0 | 4.14 | |
| 46 | 0 | 0 | 0 | 0 | 0.09 | 0.1 | 1.48 | 3.44 | 0.97 | 0.01 | 0 | 0 | 6.09 | |
| 47 | 0 | 0 | 0 | 0 | 0.96 | 0.46 | 1.84 | 5.37 | 0.67 | 0.59 | 0 | 0 | 9.89 | |
| 48 | 0 | 0 | 0 | 0 | 0.43 | 1.03 | 1.69 | 1.7 | 1.48 | 0.2 | 0 | 0 | 6.53 | |
| 49 | 0 | 0 | 0 | 0 | 0 | 0.72 | 1.48 | 0.8 | 1.23 | 0.13 | 0 | 0 | 4.36 | |
| 50 | 0 | 0 | 0 | 0 | 0 | 0 | 2.18 | 0.63 | 0.42 | 0 | 0 | 0 | 3.23 | |
| 51 | 0 | 0 | 0 | 0 | 0.26 | 0 | 0.8 | 2.37 | 0.26 | 0 | 0 | 0 | 3.69 | |
| 52 | 0 | 0 | 0 | 0.01 | 0.09 | 0.89 | 1.4 | 2.33 | 0.23 | 0 | 0 | 0 | 4.95 | |
| 53 | 0 | 0 | 0 | 0 | 0.04 | 0.1 | 2.05 | 1.18 | 0 | 0 | 0 | 0 | 3.37 | |
| 54 | 0 | 0 | 0 | 0 | 0.95 | 0.48 | 1.9 | 2.07 | 2.09 | 0.18 | 0 | 0 | 7.67 | |
| 55 | 0 | 0 | 0 | 0 | 0.21 | 0.72 | 3.13 | 2.43 | 0 | 0 | 0 | 0 | 6.49 | |
| 56 | 0 | 0 | 0 | 0 | 0.43 | 0.31 | 1.25 | 0.93 | 0 | 0.14 | 0 | 0 | 3.06 | |
| 57 | 0 | 0 | 0 | 0 | 0.54 | 0.57 | 2.43 | 1.99 | 0 | 0 | 0 | 0 | 5.53 | |
| 58 | 0 | 0 | 0 | 0 | 0 | 0.39 | 1.09 | 1.51 | 1.15 | 0.26 | 0 | 0 | 4.4 | |
| 59 | 0 | 0 | 0 | 0 | 0 | 0.49 | 0.79 | 3.32 | 0 | 0 | 0 | 0 | 4.6 | |
| 60 | 0 | 0 | 0 | 0 | 0.39 | 0.39 | 0.77 | 0.49 | 0.19 | 0.47 | 0 | 0 | 2.7 | |
| 61 | 0 | 0 | 0 | 0 | 0.17 | 0.21 | 1.5 | 2.49 | 0 | 0 | 0 | 0 | 4.37 | |
| 62 | 0 | 0 | 0 | 0 | 0 | 0.2 | 0.93 | 0.39 | 2.3 | 0.21 | 0 | 0 | 4.03 | |
| 63 | 0 | 0 | 0 | 0 | 0 | 0 | 1.29 | 2.62 | 2.09 | 0.39 | 0 | 0 | 6.39 | |
| 64 | 0 | 0 | 0 | 0 | 0.04 | 0.1 | 1.66 | 2.82 | 1.32 | 0 | 0 | 0 | 5.94 | |
| 65 | 0 | 0 | 0 | 0 | 0.34 | 1.05 | 2.74 | 1.2 | 0.32 | 0 | 0 | 0 | 5.65 | |
| 66 | 0 | 0 | 0 | 0 | 0.09 | 0.55 | 1.59 | 1.62 | 1.38 | 0 | 0 | 0 | 5.23 | |
| 67 | 0 | 0 | 0 | 0 | 0.05 | 1.16 | 3.09 | 1.85 | 0.5 | 0.02 | 0 | 0 | 6.67 | |
| 68 | 0 | 0 | 0 | 0 | 0.21 | 0 | 1.76 | 1.36 | 0 | 0 | 0 | 0 | 3.33 | |
| 69 | 0 | 0 | 0 | 0 | 0.87 | 0 | 1.98 | 2.69 | 0.8 | 0.14 | 0 | 0 | 6.48 | |
| 70 | 0 | 0 | 0 | 0 | 0.19 | 0.64 | 0.95 | 1.91 | 0.42 | 0 | 0 | 0 | 4.11 | |
| 71 | 0 | 0 | 0 | 0 | 0 | 0 | 1.45 | 3.12 | 0.89 | 0 | 0 | 0 | 5.46 | |
| 72 | 0 | 0 | 0 | 0 | 0.15 | 0.95 | 1.28 | 2.78 | 0.86 | 0 | 0 | 0 | 6.02 | |
| 73 | 0 | 0 | 0 | 0 | 0.49 | 0.29 | 1.24 | 1.48 | 0.59 | 0 | 0 | 0 | 4.09 | |
| 74 | 0 | 0 | 0 | 0 | 0 | 0 | 1.02 | 2.56 | 0.63 | 0 | 0 | 0 | 4.21 | |
| 75 | 0 | 0 | 0 | 0 | 0 | 0 | 1.09 | 1.4 | 2.2 | 0 | 0 | 0 | 4.69 | |
| 76 | 0 | 0 | 0 | 0 | 0.8 | 0.2 | 1.57 | 1.47 | 0.73 | 0.07 | 0 | 0 | 4.84 | |
| 77 | 0 | 0 | 0 | 0 | 0.35 | 0.3 | 2.83 | 2.08 | 1.78 | 0.15 | 0 | 0 | 7.49 | |
| 78 | 0 | 0 | 0 | 0 | 0.94 | 0.2 | 0.86 | 0.71 | 0.03 | 0 | 0 | 0 | 2.74 | |
| 79 | 0 | 0 | 0 | 0 | 1.51 | 0.47 | 0.94 | 2.18 | 0 | 0.26 | 0 | 0 | 5.36 | |
| 80 | 0 | 0 | 0 | 0 | 0.16 | 0 | 0.33 | 1.2 | 1.96 | 0.13 | 0 | 0 | 3.78 | |
| 81 | 0 | 0 | 0 | 0.26 | 0.26 | 1.07 | 2.02 | 1.12 | 1.33 | 0.26 | 0 | 0 | 6.32 | |
| 82 | 0 | 0 | 0 | 0 | 0.53 | 0 | 1.76 | 2.62 | 1.17 | 0 | 0 | 0 | 6.08 | |
| 83 | 0 | 0 | 0 | 0 | 0.39 | 0.28 | 1.62 | 1.98 | 1.78 | 0 | 0 | 0 | 6.05 | |
| 84 | 0 | 0 | 0 | 0 | 0.09 | 0.47 | 1.73 | 2.96 | 2.3 | 0.6 | 0 | 0 | 8.15 | |
| 85 | 0 | 0 | 0 | 0.21 | 0.43 | 0 | 2.47 | 1.28 | 0.98 | 0 | 0 | 0 | 5.37 | |
| 86 | 0 | 0 | 0 | 0 | 0.58 | 1.25 | 2.82 | 1.49 | 0.24 | 0 | 0 | 0 | 6.38 | |
| 87 | 0 | 0 | 0 | 0 | 0.93 | 0.95 | 1.72 | 2.65 | 0.18 | 0.2 | 0 | 0 | 6.63 | |
| 88 | 0 | 0 | 0 | 0 | 0.34 | 2.04 | 1.18 | 2.4 | 0.12 | 0 | 0 | 0 | 6.08 | |
| 89 | 0 | 0 | 0 | 0 | 0 | 0 | 2.44 | 1.24 | 0.68 | 0 | 0 | 0 | 4.36 | |
| 90 | 0 | 0 | 0 | 0.04 | 0.99 | 0.75 | 1.76 | 1.3 | 1.61 | 0.12 | 0 | 0 | 6.57 | |
| 91 | 0 | 0 | 0 | 0 | 0 | 0.69 | 1 | 1.76 | 1.07 | 0.06 | 0 | 0 | 4.58 | |
| 92 | 0 | 0 | 0 | 0 | 2.46 | 0.28 | 1.42 | 2.18 | 0.43 | 0.1 | 0 | 0 | 6.87 | |
| 93 | 0 | 0 | 0 | 0 | 0.79 | 0.1 | 0 | 4.95 | 0.22 | 0 | 0 | 0 | 6.06 | |
| 94 | 0 | 0 | 0 | 0 | 1.13 | 0.57 | 1.34 | 1.14 | 1.26 | 0.06 | 0 | 0 | 5.5 | |
| 95 | 0 | 0 | 0 | 0 | 0.17 | 0.09 | 0.5 | 2.17 | 1.46 | 0 | 0 | 0 | 4.39 | |
| 96 | 0 | 0 | 0 | 0.04 | 0 | 0.74 | 1.73 | 2.24 | 1.81 | 0 | 0 | 0 | 6.56 | |
| 97 | 0 | 0 | 0 | 0 | 0.34 | 1.3 | 1.75 | 2.23 | 1.56 | 0.15 | 0 | 0 | 7.33 | |
| 98 | 0 | 0 | 0 | 0 | 0 | 0 | 3.31 | 2.24 | 0.36 | 0.39 | 0 | 0 | 6.3 | |
| 99 | 0 | 0 | 0 | 0 | 0.77 | 0.38 | 2.1 | 2.73 | 0.5 | 0 | 0 | 0 | 6.48 | |
| 0 | 0 | 0 | 0 | 0 | 0 | 0.65 | 0.41 | 2 | 0.51 | 0 | 0 | 0 | 3.57 | |
| 1 | 0 | 0 | 0 | 0.03 | 0.59 | 0.3 | 1.57 | 2.3 | 0.2 | 0 | 0 | 0 | 4.99 | |
| 2 | 0 | 0 | 0 | 0.13 | 0 | 0 | 1.87 | 1.26 | 2.51 | 0.12 | 0 | 0 | 5.89 | |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0.9 | 2 | 0.59 | 0.24 | 0 | 0 | 3.73 | |
| 4 | 0 | 0 | 0 | 0 | 0 | 0.38 | 0.92 | 1.71 | 0.55 | 0 | 0 | 0 | 3.56 | |
| 5 | 0 | 0 | 0 | 0 | 0.09 | 0.29 | 0.41 | 1.6 | 0.94 | 0.13 | 0 | 0 | 3.46 | |
| 6 | 0 | 0 | 0 | 0 | 0.09 | 0.84 | 3.78 | 3.26 | 0.28 | 0 | 0 | 0 | 8.25 | |
| 7 | 0 | 0 | 0 | 0 | 0.6 | 0.39 | 1.43 | 3.16 | 0.34 | 0 | 0 | 0 | 5.92 | |
| 8 | 0 | 0 | 0 | 0 | 0.67 | 0.2 | 2.82 | 1.48 | 0.5 | 0.25 | 0 | 0 | 5.92 | |

**MODIFIED B-C CONSUMPTIVE USE OF IRRIGATION WATER
El Morro Weather Station**

| Alfalfa | | | | | | | | | | | | | |
|--------------------------------------|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| Crop Irrigation Requirement (inches) | | | | | | | | | | | | | |
| Year | January | February | March | April | May | June | July | August | September | October | November | December | Total |
| 38 | 0 | 0 | 0 | 0 | 2.45 | 4.77 | 5.46 | 4.04 | 2.12 | 0.72 | 0 | 0 | 19.57 |
| 39 | 0 | 0 | 0 | 0.52 | 3.61 | 5.41 | 5.68 | 4.93 | 2.87 | 0.37 | 0 | 0 | 23.4 |
| 40 | 0 | 0 | 0 | 0.28 | 3.55 | 5.36 | 4.48 | 3.15 | 1.97 | 1.16 | 0 | 0 | 19.93 |
| 41 | 0 | 0 | 0 | 0 | 2.17 | 4.13 | 4.85 | 3.57 | 0.6 | 0 | 0 | 0 | 15.33 |
| 42 | 0 | 0 | 0 | 0.59 | 3.48 | 5.07 | 5.89 | 3.54 | 3.13 | 0.3 | 0 | 0 | 22.01 |
| 43 | 0 | 0 | 0 | 0.72 | 3.25 | 4.73 | 4.48 | 3.37 | 3.01 | 0.56 | 0 | 0 | 20.13 |
| 44 | 0 | 0 | 0 | 0 | 2.43 | 4.42 | 5.24 | 4.83 | 2.7 | 0.21 | 0 | 0 | 19.83 |
| 45 | 0 | 0 | 0 | 0 | 2.89 | 4.56 | 5.24 | 3.65 | 3.23 | 0 | 0 | 0 | 19.58 |
| 46 | 0 | 0 | 0 | 1.47 | 3.12 | 5.58 | 4.94 | 2.17 | 3.29 | 0.56 | 0 | 0 | 21.14 |
| 47 | 0 | 0 | 0 | 0.22 | 3.08 | 4.55 | 5.11 | 0 | 3.21 | 0.67 | 0 | 0 | 16.84 |
| 48 | 0 | 0 | 0 | 0.68 | 3.38 | 4.36 | 5.26 | 3.94 | 2.31 | 0.38 | 0 | 0 | 20.32 |
| 49 | 0 | 0 | 0 | 0 | 3 | 4.53 | 4.92 | 4.51 | 2.68 | 0.55 | 0 | 0 | 20.2 |
| 50 | 0 | 0 | 0 | 0.27 | 3.32 | 5.33 | 4 | 4.51 | 1.35 | 0 | 0 | 0 | 18.77 |
| 51 | 0 | 0 | 0 | 0 | 3.31 | 4.93 | 6.36 | 3.25 | 3.42 | 0.49 | 0 | 0 | 21.75 |
| 52 | 0 | 0 | 0 | 0.26 | 3.71 | 4.73 | 4.87 | 3.42 | 1.64 | 0 | 0 | 0 | 18.62 |
| 53 | 0 | 0 | 0 | 0 | 1.75 | 5.78 | 4.85 | 4.21 | 3.83 | 0 | 0 | 0 | 20.41 |
| 54 | 0 | 0 | 0 | 1.32 | 2.9 | 5.02 | 5 | 3.24 | 1.7 | 1.02 | 0 | 0 | 20.19 |
| 55 | 0 | 0 | 0 | 0 | 2.8 | 4.49 | 3.22 | 3.1 | 3.74 | 0 | 0 | 0 | 17.35 |
| 56 | 0 | 0 | 0 | 0.01 | 3.45 | 5.7 | 5.04 | 4.09 | 3.95 | 0.99 | 0 | 0 | 23.23 |
| 57 | 0 | 0 | 0 | 0 | 1.8 | 4.95 | 4.06 | 3.22 | 2.38 | 0 | 0 | 0 | 16.41 |
| 58 | 0 | 0 | 0 | 0.11 | 4.04 | 5.59 | 5.35 | 4.3 | 2.55 | 1.1 | 0 | 0 | 23.04 |
| 59 | 0 | 0 | 0 | 0.17 | 3.47 | 5.62 | 6.11 | 1.99 | 2.94 | 0 | 0 | 0 | 20.29 |
| 60 | 0 | 0 | 0 | 0 | 2.86 | 5.23 | 5.81 | 5.4 | 3.69 | 0.44 | 0 | 0 | 23.43 |
| 61 | 0 | 0 | 0 | 0 | 3.29 | 5.82 | 5.19 | 3.02 | 0.54 | 0 | 0 | 0 | 17.86 |
| 62 | 0 | 0 | 0 | 0.41 | 3.23 | 4.83 | 5.38 | 5.18 | 1.3 | 0.34 | 0 | 0 | 20.67 |
| 63 | 0 | 0 | 0 | 0.17 | 3.88 | 5.07 | 5.66 | 2.5 | 1.76 | 0.78 | 0 | 0 | 19.81 |
| 64 | 0 | 0 | 0 | 0 | 2.73 | 4.93 | 5.03 | 2.36 | 2.05 | 0.56 | 0 | 0 | 17.66 |
| 65 | 0 | 0 | 0 | 0 | 1.8 | 3.4 | 3.55 | 4.35 | 2.05 | 0 | 0 | 0 | 15.16 |
| 66 | 0 | 0 | 0 | 0.23 | 3.79 | 4.66 | 5.24 | 3.85 | 2.11 | 1.02 | 0 | 0 | 20.89 |
| 67 | 0 | 0 | 0 | 0 | 2.76 | 3.87 | 3.72 | 3.23 | 2.99 | 0.61 | 0 | 0 | 17.18 |
| 68 | 0 | 0 | 0 | 0 | 2.22 | 5.23 | 4.44 | 3.46 | 2.65 | 0 | 0 | 0 | 18 |
| 69 | 0 | 0 | 0 | 0.35 | 2.84 | 5.01 | 4.9 | 3.34 | 2.94 | 0.25 | 0 | 0 | 19.63 |
| 70 | 0 | 0 | 0 | 0 | 2.76 | 4.67 | 5.88 | 3.75 | 2.36 | 0 | 0 | 0 | 19.42 |
| 71 | 0 | 0 | 0 | 0 | 2.24 | 5.39 | 5.52 | 2.04 | 1.38 | 0 | 0 | 0 | 16.58 |
| 72 | 0 | 0 | 0 | 0 | 3.05 | 4.38 | 5.53 | 2.57 | 2.52 | 0 | 0 | 0 | 18.04 |
| 73 | 0 | 0 | 0 | 0 | 2.08 | 4.76 | 5 | 4.01 | 2.51 | 0 | 0 | 0 | 18.36 |
| 74 | 0 | 0 | 0 | 0.15 | 3.88 | 6.31 | 5.36 | 2.56 | 2.73 | 0 | 0 | 0 | 21 |
| 75 | 0 | 0 | 0 | 0 | 1.89 | 4.75 | 5.35 | 3.93 | 1.07 | 0.68 | 0 | 0 | 17.67 |
| 76 | 0 | 0 | 0 | 0.04 | 2.83 | 5.09 | 5.05 | 3.94 | 2.94 | 0.39 | 0 | 0 | 20.28 |
| 77 | 0 | 0 | 0 | 0 | 2.62 | 5.32 | 3.64 | 3.79 | 1.99 | 0.76 | 0 | 0 | 18.12 |
| 78 | 0 | 0 | 0 | 0 | 2.05 | 5.21 | 5.76 | 4.43 | 2.6 | 0 | 0 | 0 | 20.05 |
| 79 | 0 | 0 | 0 | 0 | 1.42 | 4.76 | 5.62 | 2.9 | 4 | 0.98 | 0 | 0 | 19.68 |
| 80 | 0 | 0 | 0 | 0 | 2.33 | 5.71 | 6.69 | 4.41 | 1.81 | 1 | 0 | 0 | 21.95 |
| 81 | 0 | 0 | 0 | 0.48 | 3.19 | 5 | 4.54 | 4.54 | 2.32 | 0.94 | 0 | 0 | 21.01 |
| 82 | 0 | 0 | 0 | 0 | 2.31 | 4.89 | 4.46 | 2.89 | 2.49 | 0 | 0 | 0 | 17.04 |
| 83 | 0 | 0 | 0 | 0 | 2.12 | 4.43 | 4.67 | 3.61 | 1.14 | 0 | 0 | 0 | 15.97 |
| 84 | 0 | 0 | 0 | 0.06 | 4.09 | 4.98 | 4.96 | 2.37 | 1.3 | 0.18 | 0 | 0 | 17.94 |
| 85 | 0 | 0 | 0 | 0.5 | 3.23 | 5.79 | 4.38 | 4.33 | 2.15 | 0 | 0 | 0 | 20.39 |
| 86 | 0 | 0 | 0 | 0.14 | 2.89 | 4.1 | 3.2 | 4.23 | 1.17 | 0 | 0 | 0 | 15.73 |
| 87 | 0 | 0 | 0 | 0 | 2.22 | 4.3 | 4.09 | 2.64 | 3.05 | 0.99 | 0 | 0 | 17.29 |
| 88 | 0 | 0 | 0 | 0 | 3.2 | 3.56 | 5.2 | 2.91 | 2.51 | 0 | 0 | 0 | 17.39 |
| 89 | 0 | 0 | 0 | 1.41 | 3.95 | 5.27 | 4.16 | 3.92 | 1.97 | 0 | 0 | 0 | 20.68 |
| 90 | 0 | 0 | 0 | 0.27 | 2.36 | 5.28 | 4.46 | 3.65 | 2.3 | 0.58 | 0 | 0 | 18.9 |
| 91 | 0 | 0 | 0 | 0 | 3.06 | 4.02 | 5.24 | 3.69 | 2.5 | 0.35 | 0 | 0 | 18.86 |
| 92 | 0 | 0 | 0 | 0.72 | 1.07 | 4.51 | 4.32 | 2.94 | 3.12 | 0.54 | 0 | 0 | 17.22 |
| 93 | 0 | 0 | 0 | 0 | 2.8 | 5.03 | 6.13 | 0.23 | 2.73 | 0 | 0 | 0 | 16.93 |
| 94 | 0 | 0 | 0 | 0.05 | 2.43 | 5.22 | 5.26 | 4.75 | 2.21 | 0.09 | 0 | 0 | 20 |
| 95 | 0 | 0 | 0 | 0 | 1.85 | 4.66 | 5.7 | 3.96 | 2.11 | 0.24 | 0 | 0 | 18.53 |
| 96 | 0 | 0 | 0 | 0.44 | 4.02 | 5.03 | 4.92 | 3.29 | 1.07 | 0 | 0 | 0 | 18.77 |
| 97 | 0 | 0 | 0 | 0 | 3.33 | 3.63 | 4.36 | 3.26 | 2.53 | 0.55 | 0 | 0 | 17.67 |
| 98 | 0 | 0 | 0 | 0 | 2.88 | 4.75 | 3.27 | 3.31 | 3.78 | 0.13 | 0 | 0 | 18.13 |
| 99 | 0 | 0 | 0 | 0 | 2.22 | 4.69 | 4.03 | 2.66 | 2.98 | 0.69 | 0 | 0 | 17.27 |
| 0 | 0 | 0 | 0 | 0.93 | 3.92 | 5.16 | 6.21 | 3.77 | 2.64 | 0 | 0 | 0 | 22.63 |
| 1 | 0 | 0 | 0 | 0.55 | 3.31 | 5.36 | 5.03 | 3.21 | 1.1 | 0 | 0 | 0 | 18.56 |
| 2 | 0 | 0 | 0 | 1.24 | 3.66 | 5.98 | 4.73 | 4.21 | 1 | 0.19 | 0 | 0 | 21.02 |
| 3 | 0 | 0 | 0 | 0.05 | 3.87 | 5.58 | 6.45 | 3.79 | 3.11 | 0.96 | 0 | 0 | 23.81 |
| 4 | 0 | 0 | 0 | 0.1 | 3.73 | 4.97 | 5.28 | 3.28 | 2.03 | 0 | 0 | 0 | 19.38 |
| 5 | 0 | 0 | 0 | 0.17 | 3.66 | 4.74 | 6.19 | 3.69 | 2.83 | 0.83 | 0 | 0 | 22.1 |
| 6 | 0 | 0 | 0 | 0.99 | 4 | 5.34 | 2.91 | 1.69 | 1.36 | 0 | 0 | 0 | 16.3 |
| 7 | 0 | 0 | 0 | 0 | 1.75 | 5.13 | 5.26 | 2.59 | 2.89 | 0 | 0 | 0 | 17.63 |
| 8 | 0 | 0 | 0 | 0 | 1.95 | 5.28 | 3.58 | 4.03 | 2.94 | 0.62 | 0 | 0 | 18.38 |

| | | | | | | | | | | | | | |
|----|---|---|---|------|------|------|------|------|------|------|---|---|-------|
| AV | 0 | 0 | 0 | 0.23 | 2.91 | 4.94 | 4.95 | 3.46 | 2.39 | 0.35 | 0 | 0 | 19.23 |
|----|---|---|---|------|------|------|------|------|------|------|---|---|-------|

**MODIFIED B-C GROSS CONSUMPTIVE USE
El Morro Weather Station**

Corn Grain

| Year | Crop Potential Evapotranspiration (inches) | | | | | | | | | | | | Total |
|------|--|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| | January | February | March | April | May | June | July | August | September | October | November | December | |
| 38 | 0 | 0 | 0 | 0 | 0.4 | 2.69 | 4.97 | 5.63 | 3.4 | 0.61 | 0 | 0 | 17.68 |
| 39 | 0 | 0 | 0 | 0 | 0.8 | 2.87 | 5.85 | 5.78 | 3.51 | 0 | 0 | 0 | 18.81 |
| 40 | 0 | 0 | 0 | 0 | 1.07 | 3.19 | 6.04 | 5.54 | 3.27 | 0 | 0 | 0 | 19.1 |
| 41 | 0 | 0 | 0 | 0 | 0.57 | 2.52 | 5.68 | 5 | 1.04 | 0 | 0 | 0 | 14.81 |
| 42 | 0 | 0 | 0 | 0 | 0.58 | 2.63 | 5.93 | 5.44 | 2.81 | 0 | 0 | 0 | 17.4 |
| 43 | 0 | 0 | 0 | 0 | 0.66 | 2.69 | 5.59 | 5.76 | 3.49 | 0.37 | 0 | 0 | 18.55 |
| 44 | 0 | 0 | 0 | 0 | 0.39 | 2.46 | 5.2 | 5.8 | 3.36 | 0.16 | 0 | 0 | 17.37 |
| 45 | 0 | 0 | 0 | 0 | 0.27 | 2.27 | 5.91 | 5.92 | 1.72 | 0 | 0 | 0 | 16.09 |
| 46 | 0 | 0 | 0 | 0 | 0.46 | 2.77 | 5.15 | 5.7 | 4.2 | 0.53 | 0 | 0 | 18.8 |
| 47 | 0 | 0 | 0 | 0 | 1.25 | 2.9 | 6.34 | 5.38 | 3.31 | 0 | 0 | 0 | 19.17 |
| 48 | 0 | 0 | 0 | 0 | 1.08 | 3.03 | 6.22 | 5.67 | 3.49 | 0 | 0 | 0 | 19.5 |
| 49 | 0 | 0 | 0 | 0 | 0.44 | 2.55 | 5.07 | 5.41 | 3.88 | 0.64 | 0 | 0 | 17.98 |
| 50 | 0 | 0 | 0 | 0 | 0.48 | 2.81 | 5.69 | 4.98 | 1.28 | 0 | 0 | 0 | 15.25 |
| 51 | 0 | 0 | 0 | 0 | 0.74 | 2.78 | 6.75 | 5.44 | 1.59 | 0 | 0 | 0 | 17.3 |
| 52 | 0 | 0 | 0 | 0 | 1.05 | 3.33 | 5.95 | 5.53 | 1.66 | 0 | 0 | 0 | 17.52 |
| 53 | 0 | 0 | 0 | 0 | 0.3 | 2.88 | 5.82 | 5.43 | 3.26 | 0 | 0 | 0 | 17.68 |
| 54 | 0 | 0 | 0 | 0 | 1.2 | 3.18 | 6.3 | 5.32 | 3.28 | 0 | 0 | 0 | 19.27 |
| 55 | 0 | 0 | 0 | 0 | 0.49 | 2.66 | 5.58 | 5.53 | 2.56 | 0 | 0 | 0 | 16.82 |
| 56 | 0 | 0 | 0 | 0 | 1.13 | 3.38 | 5.63 | 5.04 | 3.64 | 0 | 0 | 0 | 18.82 |
| 57 | 0 | 0 | 0 | 0 | 0.36 | 2.8 | 5.81 | 5.13 | 1.73 | 0 | 0 | 0 | 15.83 |
| 58 | 0 | 0 | 0 | 0 | 1.28 | 3.5 | 5.94 | 5.79 | 2.96 | 0 | 0 | 0 | 19.46 |
| 59 | 0 | 0 | 0 | 0 | 0.73 | 3.34 | 6.31 | 5.23 | 2.01 | 0 | 0 | 0 | 17.62 |
| 60 | 0 | 0 | 0 | 0 | 0.55 | 2.89 | 5.76 | 5.9 | 2.89 | 0 | 0 | 0 | 17.99 |
| 61 | 0 | 0 | 0 | 0 | 0.8 | 3.54 | 6.4 | 5.12 | 0.46 | 0 | 0 | 0 | 16.31 |
| 62 | 0 | 0 | 0 | 0 | 0.32 | 2.43 | 5.17 | 5.63 | 3.44 | 0.08 | 0 | 0 | 17.07 |
| 63 | 0 | 0 | 0 | 0 | 1.1 | 2.85 | 6.22 | 5.14 | 3.51 | 0 | 0 | 0 | 18.82 |
| 64 | 0 | 0 | 0 | 0 | 0.46 | 2.48 | 5.45 | 5.26 | 3.3 | 0.52 | 0 | 0 | 17.46 |
| 65 | 0 | 0 | 0 | 0 | 0 | 1.96 | 5.14 | 5.57 | 2.19 | 0 | 0 | 0 | 14.86 |
| 66 | 0 | 0 | 0 | 0 | 1.11 | 2.93 | 6.12 | 5.49 | 3.19 | 0 | 0 | 0 | 18.84 |
| 67 | 0 | 0 | 0 | 0 | 0.32 | 2.53 | 6.08 | 4.99 | 1.61 | 0 | 0 | 0 | 15.53 |
| 68 | 0 | 0 | 0 | 0 | 0.33 | 2.61 | 5.45 | 4.79 | 1.79 | 0 | 0 | 0 | 14.96 |
| 69 | 0 | 0 | 0 | 0 | 0.91 | 2.69 | 5.99 | 6.08 | 3.57 | 0.12 | 0 | 0 | 19.36 |
| 70 | 0 | 0 | 0 | 0 | 0.67 | 2.89 | 6.29 | 5.54 | 1.74 | 0 | 0 | 0 | 17.12 |
| 71 | 0 | 0 | 0 | 0 | 0.29 | 2.75 | 6.49 | 4.89 | 0.57 | 0 | 0 | 0 | 14.99 |
| 72 | 0 | 0 | 0 | 0 | 0.52 | 2.72 | 5.89 | 5.38 | 2.82 | 0 | 0 | 0 | 17.33 |
| 73 | 0 | 0 | 0 | 0 | 0.39 | 2.5 | 5.33 | 5.52 | 2.57 | 0 | 0 | 0 | 16.31 |
| 74 | 0 | 0 | 0 | 0 | 1.16 | 3.56 | 5.74 | 5.13 | 3.06 | 0 | 0 | 0 | 18.65 |
| 75 | 0 | 0 | 0 | 0 | 0.05 | 2.2 | 5.3 | 5.37 | 2.47 | 0 | 0 | 0 | 15.39 |
| 76 | 0 | 0 | 0 | 0 | 0.8 | 2.76 | 5.66 | 5.47 | 3.54 | 0.26 | 0 | 0 | 18.48 |
| 77 | 0 | 0 | 0 | 0 | 0.46 | 2.81 | 5.44 | 5.93 | 3.59 | 0.08 | 0 | 0 | 18.31 |
| 78 | 0 | 0 | 0 | 0 | 0.4 | 2.71 | 5.77 | 5.14 | 2.31 | 0 | 0 | 0 | 16.33 |
| 79 | 0 | 0 | 0 | 0 | 0.36 | 2.53 | 5.25 | 5.16 | 3.91 | 0.5 | 0 | 0 | 17.72 |
| 80 | 0 | 0 | 0 | 0 | 0.4 | 2.77 | 5.68 | 5.69 | 3.67 | 0.3 | 0 | 0 | 18.5 |
| 81 | 0 | 0 | 0 | 0 | 0.7 | 3.09 | 5.53 | 5.73 | 3.54 | 0.3 | 0 | 0 | 18.89 |
| 82 | 0 | 0 | 0 | 0 | 0.29 | 2.38 | 5.18 | 5.56 | 3.46 | 0 | 0 | 0 | 16.86 |
| 83 | 0 | 0 | 0 | 0 | 0.25 | 2.31 | 5.39 | 5.6 | 2.68 | 0 | 0 | 0 | 16.22 |
| 84 | 0 | 0 | 0 | 0 | 1.35 | 3.2 | 6.16 | 5.33 | 3.01 | 0 | 0 | 0 | 19.05 |
| 85 | 0 | 0 | 0 | 0 | 0.89 | 3.31 | 6.49 | 5.41 | 1.32 | 0 | 0 | 0 | 17.43 |
| 86 | 0 | 0 | 0 | 0 | 0.62 | 2.92 | 5.63 | 5.53 | 1.24 | 0 | 0 | 0 | 15.94 |
| 87 | 0 | 0 | 0 | 0 | 0.41 | 2.7 | 5.24 | 5.19 | 1.63 | 0 | 0 | 0 | 15.17 |
| 88 | 0 | 0 | 0 | 0 | 0.78 | 3.13 | 5.95 | 5.17 | 1.63 | 0 | 0 | 0 | 16.67 |
| 89 | 0 | 0 | 0 | 0 | 1.37 | 3.28 | 6.29 | 4.96 | 1.63 | 0 | 0 | 0 | 17.53 |
| 90 | 0 | 0 | 0 | 0 | 0.62 | 3.03 | 5.16 | 5.02 | 3.83 | 0.52 | 0 | 0 | 18.17 |
| 91 | 0 | 0 | 0 | 0 | 0.42 | 2.32 | 5.16 | 5.52 | 3.44 | 0.23 | 0 | 0 | 17.08 |
| 92 | 0 | 0 | 0 | 0 | 0.58 | 2.47 | 4.99 | 5.14 | 2.95 | 0 | 0 | 0 | 16.13 |
| 93 | 0 | 0 | 0 | 0 | 0.74 | 2.84 | 5.7 | 5.04 | 1.55 | 0 | 0 | 0 | 15.87 |
| 94 | 0 | 0 | 0 | 0 | 0.78 | 3.14 | 5.92 | 5.89 | 2.61 | 0 | 0 | 0 | 18.35 |
| 95 | 0 | 0 | 0 | 0 | 0.07 | 2.17 | 4.82 | 6.22 | 3.41 | 0 | 0 | 0 | 16.69 |
| 96 | 0 | 0 | 0 | 0 | 1.32 | 3.49 | 6.3 | 5.4 | 1.94 | 0 | 0 | 0 | 18.45 |
| 97 | 0 | 0 | 0 | 0 | 0.97 | 2.69 | 5.37 | 5.52 | 3.89 | 0.06 | 0 | 0 | 18.5 |
| 98 | 0 | 0 | 0 | 0 | 0.37 | 2.35 | 5.57 | 5.58 | 3.43 | 0 | 0 | 0 | 17.31 |
| 99 | 0 | 0 | 0 | 0 | 0.49 | 2.53 | 5.17 | 5.44 | 3.31 | 0 | 0 | 0 | 16.94 |
| 0 | 0 | 0 | 0 | 0 | 1.27 | 3.4 | 6.12 | 5.74 | 2.91 | 0 | 0 | 0 | 19.44 |
| 1 | 0 | 0 | 0 | 0 | 1.21 | 3.49 | 6.31 | 5.22 | 1.13 | 0 | 0 | 0 | 17.36 |
| 2 | 0 | 0 | 0 | 0 | 0.9 | 3.17 | 5.69 | 5.52 | 3.37 | 0.19 | 0 | 0 | 18.83 |
| 3 | 0 | 0 | 0 | 0 | 1.1 | 3.24 | 6.83 | 5.71 | 2.53 | 0 | 0 | 0 | 19.41 |
| 4 | 0 | 0 | 0 | 0 | 0.96 | 3.23 | 5.93 | 4.67 | 0.67 | 0 | 0 | 0 | 15.46 |
| 5 | 0 | 0 | 0 | 0 | 0.96 | 2.93 | 6.25 | 5.12 | 1.71 | 0 | 0 | 0 | 16.97 |
| 6 | 0 | 0 | 0 | 0 | 1.5 | 3.83 | 6.36 | 4.81 | 1.47 | 0 | 0 | 0 | 17.98 |
| 7 | 0 | 0 | 0 | 0 | 0.36 | 2.73 | 5.71 | 5.78 | 3.02 | 0 | 0 | 0 | 17.59 |
| 8 | 0 | 0 | 0 | 0 | 0.42 | 2.7 | 5.34 | 5.57 | 3.28 | 0.07 | 0 | 0 | 17.39 |
| AV | 0 | 0 | 0 | 0 | 0.69 | 2.85 | 5.76 | 5.42 | 2.65 | 0.08 | 0 | 0 | 17.45 |

EFFECTIVE PRECIPITATION, Inches

El Morro Weather Station

| YR | Corn Grain | | | | | | | | | | | | ANNUAL |
|----|------------|-----|-----|-----|------|------|------|------|------|------|-----|-----|--------|
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| 38 | 0 | 0 | 0 | 0 | 0.01 | 0.69 | 0.78 | 1.49 | 1.32 | 0 | 0 | 0 | 4.29 |
| 39 | 0 | 0 | 0 | 0 | 0 | 0 | 0.98 | 0.82 | 0.9 | 0 | 0 | 0 | 2.7 |
| 40 | 0 | 0 | 0 | 0 | 0.11 | 0.34 | 2.23 | 2.37 | 1.49 | 0 | 0 | 0 | 6.54 |
| 41 | 0 | 0 | 0 | 0 | 0.31 | 0.4 | 1.13 | 1.64 | 0.59 | 0 | 0 | 0 | 4.07 |
| 42 | 0 | 0 | 0 | 0 | 0 | 0 | 0.82 | 1.89 | 0.38 | 0 | 0 | 0 | 3.09 |
| 43 | 0 | 0 | 0 | 0 | 0.04 | 0.48 | 2.04 | 2.33 | 0.58 | 0.11 | 0 | 0 | 5.58 |
| 44 | 0 | 0 | 0 | 0 | 0.03 | 0.54 | 1.03 | 0.9 | 0.78 | 0 | 0 | 0 | 3.28 |
| 45 | 0 | 0 | 0 | 0 | 0 | 0 | 1.37 | 2.35 | 0.11 | 0 | 0 | 0 | 3.83 |
| 46 | 0 | 0 | 0 | 0 | 0 | 0.09 | 1.39 | 3.46 | 0.97 | 0.01 | 0 | 0 | 5.92 |
| 47 | 0 | 0 | 0 | 0 | 0.56 | 0.41 | 1.77 | 5.38 | 0.58 | 0 | 0 | 0 | 8.7 |
| 48 | 0 | 0 | 0 | 0 | 0.2 | 0.9 | 1.61 | 1.71 | 1.41 | 0 | 0 | 0 | 5.83 |
| 49 | 0 | 0 | 0 | 0 | 0 | 0.62 | 1.38 | 0.81 | 1.22 | 0.13 | 0 | 0 | 4.16 |
| 50 | 0 | 0 | 0 | 0 | 0 | 0 | 2.12 | 0.62 | 0.32 | 0 | 0 | 0 | 3.06 |
| 51 | 0 | 0 | 0 | 0 | 0.05 | 0 | 0.78 | 2.36 | 0.06 | 0 | 0 | 0 | 3.25 |
| 52 | 0 | 0 | 0 | 0 | 0 | 0.79 | 1.37 | 2.29 | 0.24 | 0 | 0 | 0 | 4.69 |
| 53 | 0 | 0 | 0 | 0 | 0 | 0.09 | 1.93 | 1.19 | 0 | 0 | 0 | 0 | 3.21 |
| 54 | 0 | 0 | 0 | 0 | 0.55 | 0.42 | 1.84 | 2.08 | 1.88 | 0 | 0 | 0 | 6.77 |
| 55 | 0 | 0 | 0 | 0 | 0 | 0.62 | 3.01 | 2.43 | 0 | 0 | 0 | 0 | 6.06 |
| 56 | 0 | 0 | 0 | 0 | 0.21 | 0.26 | 1.2 | 0.94 | 0 | 0 | 0 | 0 | 2.61 |
| 57 | 0 | 0 | 0 | 0 | 0.12 | 0.48 | 2.33 | 1.99 | 0 | 0 | 0 | 0 | 4.92 |
| 58 | 0 | 0 | 0 | 0 | 0 | 0.35 | 1.07 | 1.5 | 0.92 | 0 | 0 | 0 | 3.84 |
| 59 | 0 | 0 | 0 | 0 | 0 | 0.42 | 0.76 | 3.31 | 0 | 0 | 0 | 0 | 4.49 |
| 60 | 0 | 0 | 0 | 0 | 0.07 | 0.34 | 0.74 | 0.49 | 0.11 | 0 | 0 | 0 | 1.75 |
| 61 | 0 | 0 | 0 | 0 | 0.02 | 0.18 | 1.48 | 2.44 | 0 | 0 | 0 | 0 | 4.12 |
| 62 | 0 | 0 | 0 | 0 | 0 | 0.17 | 0.87 | 0.39 | 2.27 | 0 | 0 | 0 | 3.7 |
| 63 | 0 | 0 | 0 | 0 | 0 | 0 | 1.24 | 2.63 | 1.99 | 0 | 0 | 0 | 5.86 |
| 64 | 0 | 0 | 0 | 0 | 0 | 0.09 | 1.55 | 2.83 | 1.31 | 0 | 0 | 0 | 5.78 |
| 65 | 0 | 0 | 0 | 0 | 0 | 0.88 | 2.56 | 1.19 | 0.32 | 0 | 0 | 0 | 4.95 |
| 66 | 0 | 0 | 0 | 0 | 0.01 | 0.49 | 1.53 | 1.62 | 1.32 | 0 | 0 | 0 | 4.97 |
| 67 | 0 | 0 | 0 | 0 | 0 | 1.01 | 2.96 | 1.84 | 0.18 | 0 | 0 | 0 | 5.99 |
| 68 | 0 | 0 | 0 | 0 | 0 | 0 | 1.69 | 1.36 | 0 | 0 | 0 | 0 | 3.05 |
| 69 | 0 | 0 | 0 | 0 | 0.39 | 0 | 1.88 | 2.7 | 0.79 | 0 | 0 | 0 | 5.76 |
| 70 | 0 | 0 | 0 | 0 | 0.04 | 0.56 | 0.93 | 1.9 | 0.24 | 0 | 0 | 0 | 3.67 |
| 71 | 0 | 0 | 0 | 0 | 0 | 0 | 1.41 | 3.07 | 0.19 | 0 | 0 | 0 | 4.67 |
| 72 | 0 | 0 | 0 | 0 | 0 | 0.83 | 1.22 | 2.79 | 0.72 | 0 | 0 | 0 | 5.56 |
| 73 | 0 | 0 | 0 | 0 | 0.1 | 0.25 | 1.18 | 1.49 | 0.49 | 0 | 0 | 0 | 3.51 |
| 74 | 0 | 0 | 0 | 0 | 0 | 0 | 0.98 | 2.56 | 0.59 | 0 | 0 | 0 | 4.13 |
| 75 | 0 | 0 | 0 | 0 | 0 | 0 | 1.03 | 1.4 | 1.66 | 0 | 0 | 0 | 4.09 |
| 76 | 0 | 0 | 0 | 0 | 0.3 | 0.17 | 1.5 | 1.48 | 0.73 | 0.01 | 0 | 0 | 4.19 |
| 77 | 0 | 0 | 0 | 0 | 0.04 | 0.26 | 2.67 | 2.08 | 1.76 | 0 | 0 | 0 | 6.81 |
| 78 | 0 | 0 | 0 | 0 | 0.2 | 0.17 | 0.82 | 0.71 | 0.02 | 0 | 0 | 0 | 1.92 |
| 79 | 0 | 0 | 0 | 0 | 0.34 | 0.4 | 0.87 | 2.19 | 0 | 0.05 | 0 | 0 | 3.85 |
| 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0.3 | 1.21 | 1.96 | 0 | 0 | 0 | 3.47 |
| 81 | 0 | 0 | 0 | 0 | 0.04 | 0.91 | 1.9 | 1.13 | 1.33 | 0 | 0 | 0 | 5.31 |
| 82 | 0 | 0 | 0 | 0 | 0.05 | 0 | 1.66 | 2.62 | 1.16 | 0 | 0 | 0 | 5.49 |
| 83 | 0 | 0 | 0 | 0 | 0.02 | 0.25 | 1.54 | 1.98 | 1.75 | 0 | 0 | 0 | 5.54 |
| 84 | 0 | 0 | 0 | 0 | 0.03 | 0.42 | 1.68 | 2.96 | 1.98 | 0 | 0 | 0 | 7.07 |
| 85 | 0 | 0 | 0 | 0 | 0.15 | 0 | 2.43 | 1.26 | 0.35 | 0 | 0 | 0 | 4.19 |
| 86 | 0 | 0 | 0 | 0 | 0.14 | 1.1 | 2.76 | 1.49 | 0.23 | 0 | 0 | 0 | 5.72 |
| 87 | 0 | 0 | 0 | 0 | 0.19 | 0.83 | 1.67 | 2.63 | 0.03 | 0 | 0 | 0 | 5.35 |
| 88 | 0 | 0 | 0 | 0 | 0.09 | 1.78 | 1.15 | 2.38 | 0.03 | 0 | 0 | 0 | 5.43 |
| 89 | 0 | 0 | 0 | 0 | 0 | 0 | 2.4 | 1.23 | 0.42 | 0 | 0 | 0 | 4.05 |
| 90 | 0 | 0 | 0 | 0 | 0.29 | 0.64 | 1.66 | 1.3 | 1.6 | 0.08 | 0 | 0 | 5.57 |
| 91 | 0 | 0 | 0 | 0 | 0 | 0.61 | 0.95 | 1.76 | 1.06 | 0 | 0 | 0 | 4.38 |
| 92 | 0 | 0 | 0 | 0 | 0.58 | 0.25 | 1.37 | 2.18 | 0.35 | 0 | 0 | 0 | 4.73 |
| 93 | 0 | 0 | 0 | 0 | 0.28 | 0.09 | 0 | 4.9 | 0.07 | 0 | 0 | 0 | 5.34 |
| 94 | 0 | 0 | 0 | 0 | 0.43 | 0.49 | 1.29 | 1.14 | 0.94 | 0 | 0 | 0 | 4.29 |
| 95 | 0 | 0 | 0 | 0 | 0 | 0.08 | 0.46 | 2.18 | 1.44 | 0 | 0 | 0 | 4.16 |
| 96 | 0 | 0 | 0 | 0 | 0 | 0.65 | 1.7 | 2.21 | 1.21 | 0 | 0 | 0 | 5.77 |
| 97 | 0 | 0 | 0 | 0 | 0.14 | 1.14 | 1.68 | 2.23 | 1.55 | 0 | 0 | 0 | 6.74 |
| 98 | 0 | 0 | 0 | 0 | 0 | 0 | 3.13 | 2.24 | 0.29 | 0 | 0 | 0 | 5.66 |
| 99 | 0 | 0 | 0 | 0 | 0.21 | 0.33 | 2 | 2.73 | 0.5 | 0 | 0 | 0 | 5.77 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0.57 | 0.4 | 1.99 | 0.5 | 0 | 0 | 0 | 3.46 |
| 1 | 0 | 0 | 0 | 0 | 0.32 | 0.27 | 1.55 | 2.26 | 0.2 | 0 | 0 | 0 | 4.6 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1.78 | 1.27 | 2.49 | 0.05 | 0 | 0 | 5.59 |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0.87 | 1.98 | 0.38 | 0 | 0 | 0 | 3.23 |
| 4 | 0 | 0 | 0 | 0 | 0 | 0.34 | 0.91 | 1.68 | 0.09 | 0 | 0 | 0 | 3.02 |
| 5 | 0 | 0 | 0 | 0 | 0 | 0.26 | 0.4 | 1.58 | 0.39 | 0 | 0 | 0 | 2.63 |
| 6 | 0 | 0 | 0 | 0 | 0.04 | 0.73 | 3.71 | 3.23 | 0.27 | 0 | 0 | 0 | 7.98 |
| 7 | 0 | 0 | 0 | 0 | 0.14 | 0.33 | 1.36 | 3.17 | 0.34 | 0 | 0 | 0 | 5.34 |
| 8 | 0 | 0 | 0 | 0 | 0.17 | 0.17 | 2.65 | 1.49 | 0.5 | 0 | 0 | 0 | 4.98 |

**MODIFIED B-C CONSUMPTIVE USE OF IRRIGATION WATER
El Morro Weather Station**

Corn Grain

| Year | Crop Irrigation Requirement (inches) | | | | | | | | | | | | | Total |
|------|--------------------------------------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|---|-------|
| | January | February | March | April | May | June | July | August | September | October | November | December | | |
| 38 | 0 | 0 | 0 | 0 | 0.39 | 2 | 4.19 | 4.14 | 2.08 | 0.61 | 0 | 0 | 0 | 13.4 |
| 39 | 0 | 0 | 0 | 0 | 0.8 | 2.87 | 4.87 | 4.96 | 2.61 | 0 | 0 | 0 | 0 | 16.1 |
| 40 | 0 | 0 | 0 | 0 | 0.96 | 2.85 | 3.81 | 3.17 | 1.78 | 0 | 0 | 0 | 0 | 12.58 |
| 41 | 0 | 0 | 0 | 0 | 0.26 | 2.12 | 4.55 | 3.36 | 0.45 | 0 | 0 | 0 | 0 | 10.74 |
| 42 | 0 | 0 | 0 | 0 | 0.58 | 2.63 | 5.11 | 3.55 | 2.43 | 0 | 0 | 0 | 0 | 14.3 |
| 43 | 0 | 0 | 0 | 0 | 0.62 | 2.21 | 3.55 | 3.43 | 2.91 | 0.26 | 0 | 0 | 0 | 12.98 |
| 44 | 0 | 0 | 0 | 0 | 0.36 | 1.92 | 4.17 | 4.9 | 2.58 | 0.16 | 0 | 0 | 0 | 14.08 |
| 45 | 0 | 0 | 0 | 0 | 0.27 | 2.27 | 4.54 | 3.57 | 1.61 | 0 | 0 | 0 | 0 | 12.26 |
| 46 | 0 | 0 | 0 | 0 | 0.46 | 2.68 | 3.76 | 2.24 | 3.23 | 0.52 | 0 | 0 | 0 | 12.91 |
| 47 | 0 | 0 | 0 | 0 | 0.69 | 2.49 | 4.57 | 0 | 2.73 | 0 | 0 | 0 | 0 | 10.47 |
| 48 | 0 | 0 | 0 | 0 | 0.88 | 2.13 | 4.61 | 3.96 | 2.08 | 0 | 0 | 0 | 0 | 13.65 |
| 49 | 0 | 0 | 0 | 0 | 0.44 | 1.93 | 3.69 | 4.6 | 2.66 | 0.51 | 0 | 0 | 0 | 13.84 |
| 50 | 0 | 0 | 0 | 0 | 0.48 | 2.81 | 3.57 | 4.36 | 0.96 | 0 | 0 | 0 | 0 | 12.18 |
| 51 | 0 | 0 | 0 | 0 | 0.69 | 2.78 | 5.97 | 3.08 | 1.53 | 0 | 0 | 0 | 0 | 14.06 |
| 52 | 0 | 0 | 0 | 0 | 1.05 | 2.54 | 4.58 | 3.24 | 1.42 | 0 | 0 | 0 | 0 | 12.83 |
| 53 | 0 | 0 | 0 | 0 | 0.3 | 2.79 | 3.89 | 4.24 | 3.26 | 0 | 0 | 0 | 0 | 14.48 |
| 54 | 0 | 0 | 0 | 0 | 0.65 | 2.76 | 4.46 | 3.24 | 1.4 | 0 | 0 | 0 | 0 | 12.51 |
| 55 | 0 | 0 | 0 | 0 | 0.49 | 2.04 | 2.57 | 3.1 | 2.56 | 0 | 0 | 0 | 0 | 10.76 |
| 56 | 0 | 0 | 0 | 0 | 0.92 | 3.12 | 4.43 | 4.1 | 3.64 | 0 | 0 | 0 | 0 | 16.22 |
| 57 | 0 | 0 | 0 | 0 | 0.24 | 2.32 | 3.48 | 3.14 | 1.73 | 0 | 0 | 0 | 0 | 10.9 |
| 58 | 0 | 0 | 0 | 0 | 1.28 | 3.15 | 4.87 | 4.29 | 2.04 | 0 | 0 | 0 | 0 | 15.62 |
| 59 | 0 | 0 | 0 | 0 | 0.73 | 2.92 | 5.55 | 1.92 | 2.01 | 0 | 0 | 0 | 0 | 13.13 |
| 60 | 0 | 0 | 0 | 0 | 0.48 | 2.55 | 5.02 | 5.41 | 2.78 | 0 | 0 | 0 | 0 | 16.24 |
| 61 | 0 | 0 | 0 | 0 | 0.78 | 3.36 | 4.92 | 2.68 | 0.46 | 0 | 0 | 0 | 0 | 12.2 |
| 62 | 0 | 0 | 0 | 0 | 0.32 | 2.26 | 4.3 | 5.24 | 1.17 | 0.08 | 0 | 0 | 0 | 13.36 |
| 63 | 0 | 0 | 0 | 0 | 1.1 | 2.85 | 4.98 | 2.51 | 1.52 | 0 | 0 | 0 | 0 | 12.97 |
| 64 | 0 | 0 | 0 | 0 | 0.46 | 2.39 | 3.9 | 2.43 | 1.99 | 0.52 | 0 | 0 | 0 | 11.69 |
| 65 | 0 | 0 | 0 | 0 | 0 | 1.08 | 2.58 | 4.38 | 1.87 | 0 | 0 | 0 | 0 | 9.91 |
| 66 | 0 | 0 | 0 | 0 | 1.1 | 2.44 | 4.59 | 3.87 | 1.87 | 0 | 0 | 0 | 0 | 13.87 |
| 67 | 0 | 0 | 0 | 0 | 0.32 | 1.52 | 3.12 | 3.15 | 1.43 | 0 | 0 | 0 | 0 | 9.53 |
| 68 | 0 | 0 | 0 | 0 | 0.33 | 2.61 | 3.76 | 3.43 | 1.79 | 0 | 0 | 0 | 0 | 11.92 |
| 69 | 0 | 0 | 0 | 0 | 0.52 | 2.69 | 4.11 | 3.38 | 2.78 | 0.12 | 0 | 0 | 0 | 13.6 |
| 70 | 0 | 0 | 0 | 0 | 0.63 | 2.33 | 5.36 | 3.64 | 1.5 | 0 | 0 | 0 | 0 | 13.46 |
| 71 | 0 | 0 | 0 | 0 | 0.29 | 2.75 | 5.08 | 1.82 | 0.38 | 0 | 0 | 0 | 0 | 10.32 |
| 72 | 0 | 0 | 0 | 0 | 0.52 | 1.89 | 4.67 | 2.59 | 2.1 | 0 | 0 | 0 | 0 | 11.78 |
| 73 | 0 | 0 | 0 | 0 | 0.29 | 2.25 | 4.15 | 4.03 | 2.08 | 0 | 0 | 0 | 0 | 12.81 |
| 74 | 0 | 0 | 0 | 0 | 1.16 | 3.56 | 4.76 | 2.57 | 2.47 | 0 | 0 | 0 | 0 | 14.52 |
| 75 | 0 | 0 | 0 | 0 | 0.05 | 2.2 | 4.27 | 3.97 | 0.81 | 0 | 0 | 0 | 0 | 11.3 |
| 76 | 0 | 0 | 0 | 0 | 0.5 | 2.59 | 4.16 | 3.99 | 2.81 | 0.25 | 0 | 0 | 0 | 14.3 |
| 77 | 0 | 0 | 0 | 0 | 0.42 | 2.55 | 2.77 | 3.85 | 1.83 | 0.08 | 0 | 0 | 0 | 11.49 |
| 78 | 0 | 0 | 0 | 0 | 0.2 | 2.54 | 4.95 | 4.43 | 2.29 | 0 | 0 | 0 | 0 | 14.41 |
| 79 | 0 | 0 | 0 | 0 | 0.02 | 2.13 | 4.38 | 2.97 | 3.91 | 0.45 | 0 | 0 | 0 | 13.86 |
| 80 | 0 | 0 | 0 | 0 | 0.4 | 2.77 | 5.38 | 4.48 | 1.71 | 0.3 | 0 | 0 | 0 | 15.05 |
| 81 | 0 | 0 | 0 | 0 | 0.66 | 2.18 | 3.63 | 4.6 | 2.21 | 0.3 | 0 | 0 | 0 | 13.58 |
| 82 | 0 | 0 | 0 | 0 | 0.24 | 2.38 | 3.52 | 2.94 | 2.3 | 0 | 0 | 0 | 0 | 11.38 |
| 83 | 0 | 0 | 0 | 0 | 0.23 | 2.06 | 3.85 | 3.62 | 0.93 | 0 | 0 | 0 | 0 | 10.7 |
| 84 | 0 | 0 | 0 | 0 | 1.32 | 2.78 | 4.48 | 2.37 | 1.03 | 0 | 0 | 0 | 0 | 11.98 |
| 85 | 0 | 0 | 0 | 0 | 0.74 | 3.31 | 4.06 | 4.15 | 0.97 | 0 | 0 | 0 | 0 | 13.24 |
| 86 | 0 | 0 | 0 | 0 | 0.48 | 1.82 | 2.87 | 4.04 | 1.01 | 0 | 0 | 0 | 0 | 10.22 |
| 87 | 0 | 0 | 0 | 0 | 0.22 | 1.87 | 3.57 | 2.56 | 1.6 | 0 | 0 | 0 | 0 | 9.83 |
| 88 | 0 | 0 | 0 | 0 | 0.69 | 1.35 | 4.8 | 2.79 | 1.6 | 0 | 0 | 0 | 0 | 11.24 |
| 89 | 0 | 0 | 0 | 0 | 1.37 | 3.28 | 3.89 | 3.73 | 1.21 | 0 | 0 | 0 | 0 | 13.49 |
| 90 | 0 | 0 | 0 | 0 | 0.33 | 2.39 | 3.5 | 3.72 | 2.23 | 0.44 | 0 | 0 | 0 | 12.6 |
| 91 | 0 | 0 | 0 | 0 | 0.42 | 1.71 | 4.21 | 3.76 | 2.38 | 0.23 | 0 | 0 | 0 | 12.7 |
| 92 | 0 | 0 | 0 | 0 | 0 | 2.22 | 3.62 | 2.96 | 2.6 | 0 | 0 | 0 | 0 | 11.4 |
| 93 | 0 | 0 | 0 | 0 | 0.46 | 2.75 | 5.7 | 0.14 | 1.48 | 0 | 0 | 0 | 0 | 10.53 |
| 94 | 0 | 0 | 0 | 0 | 0.35 | 2.65 | 4.63 | 4.75 | 1.67 | 0 | 0 | 0 | 0 | 14.05 |
| 95 | 0 | 0 | 0 | 0 | 0.07 | 2.09 | 4.36 | 4.04 | 1.97 | 0 | 0 | 0 | 0 | 12.53 |
| 96 | 0 | 0 | 0 | 0 | 1.32 | 2.84 | 4.6 | 3.19 | 0.73 | 0 | 0 | 0 | 0 | 12.67 |
| 97 | 0 | 0 | 0 | 0 | 0.83 | 1.55 | 3.69 | 3.29 | 2.34 | 0.06 | 0 | 0 | 0 | 11.76 |
| 98 | 0 | 0 | 0 | 0 | 0.37 | 2.35 | 2.44 | 3.34 | 3.14 | 0 | 0 | 0 | 0 | 11.65 |
| 99 | 0 | 0 | 0 | 0 | 0.28 | 2.2 | 3.17 | 2.71 | 2.81 | 0 | 0 | 0 | 0 | 11.17 |
| 0 | 0 | 0 | 0 | 0 | 1.27 | 2.83 | 5.72 | 3.75 | 2.41 | 0 | 0 | 0 | 0 | 15.97 |
| 1 | 0 | 0 | 0 | 0 | 0.89 | 3.22 | 4.76 | 2.96 | 0.93 | 0 | 0 | 0 | 0 | 12.76 |
| 2 | 0 | 0 | 0 | 0 | 0.9 | 3.17 | 3.91 | 4.25 | 0.88 | 0.14 | 0 | 0 | 0 | 13.25 |
| 3 | 0 | 0 | 0 | 0 | 1.1 | 3.24 | 5.96 | 3.73 | 2.15 | 0 | 0 | 0 | 0 | 16.18 |
| 4 | 0 | 0 | 0 | 0 | 0.96 | 2.89 | 5.02 | 2.99 | 0.58 | 0 | 0 | 0 | 0 | 12.44 |
| 5 | 0 | 0 | 0 | 0 | 0.96 | 2.67 | 5.85 | 3.54 | 1.32 | 0 | 0 | 0 | 0 | 14.34 |
| 6 | 0 | 0 | 0 | 0 | 1.46 | 3.1 | 2.65 | 1.58 | 1.2 | 0 | 0 | 0 | 0 | 9.99 |
| 7 | 0 | 0 | 0 | 0 | 0.22 | 2.4 | 4.35 | 2.61 | 2.68 | 0 | 0 | 0 | 0 | 12.27 |
| 8 | 0 | 0 | 0 | 0 | 0.25 | 2.53 | 2.69 | 4.08 | 2.78 | 0.07 | 0 | 0 | 0 | 12.4 |

| | | | | | | | | | | | | | |
|----|---|---|---|---|------|------|------|------|------|------|---|---|-------|
| AV | 0 | 0 | 0 | 0 | 0.59 | 2.49 | 4.25 | 3.43 | 1.92 | 0.07 | 0 | 0 | 12.75 |
|----|---|---|---|---|------|------|------|------|------|------|---|---|-------|

**MODIFIED B-C GROSS CONSUMPTIVE USE
El Morro Weather Station**

Pasture Grass/Hay

| Year | Crop Potential Evapotranspiration (inches) | | | | | | | | | | | | | Total |
|------|--|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|-------|
| | January | February | March | April | May | June | July | August | September | October | November | December | | |
| 38 | 0 | 0 | 0 | 1.18 | 2.62 | 4.54 | 5.23 | 4.74 | 3.02 | 1.51 | 0 | 0 | 22.85 | |
| 39 | 0 | 0 | 0 | 1.59 | 3.01 | 4.41 | 5.57 | 4.93 | 3.35 | 1.32 | 0 | 0 | 24.18 | |
| 40 | 0 | 0 | 0 | 1.34 | 3.18 | 4.68 | 5.64 | 4.73 | 3.06 | 1.75 | 0 | 0 | 24.37 | |
| 41 | 0 | 0 | 0 | 0.4 | 2.97 | 3.73 | 4.97 | 4.49 | 3.01 | 1.34 | 0 | 0 | 20.91 | |
| 42 | 0 | 0 | 0 | 1.58 | 2.9 | 4.13 | 5.6 | 4.66 | 3.2 | 1.58 | 0 | 0 | 23.65 | |
| 43 | 0 | 0 | 0 | 1.83 | 2.93 | 4.31 | 5.51 | 4.88 | 3.16 | 1.4 | 0 | 0 | 24.02 | |
| 44 | 0 | 0 | 0 | 0.56 | 2.75 | 4.11 | 5.25 | 4.91 | 3.07 | 1.75 | 0 | 0 | 22.4 | |
| 45 | 0 | 0 | 0 | 0.67 | 2.81 | 3.71 | 5.53 | 5.16 | 3.15 | 1.63 | 0 | 0 | 22.66 | |
| 46 | 0 | 0 | 0.06 | 2.13 | 2.68 | 4.63 | 5.32 | 4.81 | 3.75 | 1.19 | 0 | 0 | 24.57 | |
| 47 | 0 | 0 | 0 | 0.97 | 3.37 | 4.08 | 5.76 | 4.61 | 3.41 | 1.57 | 0 | 0 | 23.75 | |
| 48 | 0 | 0 | 0 | 1.42 | 3.18 | 4.39 | 5.76 | 4.85 | 3.33 | 1.36 | 0 | 0 | 24.27 | |
| 49 | 0 | 0 | 0 | 1.04 | 2.75 | 4.27 | 5.3 | 4.56 | 3.43 | 1.34 | 0 | 0 | 22.7 | |
| 50 | 0 | 0 | 0 | 1.67 | 2.77 | 4.34 | 5.12 | 4.41 | 2.74 | 2.26 | 0.25 | 0 | 23.56 | |
| 51 | 0 | 0 | 0 | 0.96 | 3.01 | 4.01 | 5.93 | 4.83 | 3.24 | 1.43 | 0 | 0 | 23.41 | |
| 52 | 0 | 0 | 0 | 1.16 | 3.16 | 4.58 | 5.19 | 4.93 | 3.39 | 1.63 | 0 | 0 | 24.05 | |
| 53 | 0 | 0 | 0 | 0.84 | 2.4 | 4.78 | 5.72 | 4.63 | 3.46 | 1.62 | 0 | 0 | 23.44 | |
| 54 | 0 | 0 | 0 | 1.83 | 3.21 | 4.47 | 5.72 | 4.56 | 3.33 | 1.85 | 0.08 | 0 | 25.05 | |
| 55 | 0 | 0 | 0 | 0.81 | 2.81 | 4.24 | 5.27 | 4.74 | 3.29 | 1.81 | 0 | 0 | 22.97 | |
| 56 | 0 | 0 | 0 | 0.79 | 3.24 | 4.89 | 5.21 | 4.31 | 3.47 | 1.54 | 0 | 0 | 23.45 | |
| 57 | 0 | 0 | 0 | 0.51 | 2.58 | 4.49 | 5.38 | 4.48 | 3.07 | 1.2 | 0 | 0 | 21.71 | |
| 58 | 0 | 0 | 0 | 0.83 | 3.37 | 4.87 | 5.34 | 4.98 | 3.25 | 1.48 | 0 | 0 | 24.12 | |
| 59 | 0 | 0 | 0 | 1.36 | 2.89 | 4.98 | 5.72 | 4.56 | 2.98 | 1.19 | 0 | 0 | 23.68 | |
| 60 | 0 | 0 | 0 | 1.38 | 2.78 | 4.58 | 5.45 | 5.05 | 3.41 | 1.15 | 0 | 0 | 23.8 | |
| 61 | 0 | 0 | 0 | 0.93 | 2.96 | 4.91 | 5.55 | 4.73 | 2.8 | 1.12 | 0 | 0 | 22.98 | |
| 62 | 0 | 0 | 0 | 1.53 | 2.69 | 4.09 | 5.23 | 4.78 | 3.16 | 1.53 | 0 | 0 | 23.01 | |
| 63 | 0 | 0 | 0 | 1.03 | 3.24 | 4.13 | 5.76 | 4.39 | 3.38 | 1.93 | 0.04 | 0 | 23.89 | |
| 64 | 0 | 0 | 0 | 0.35 | 2.82 | 4.09 | 5.55 | 4.44 | 2.96 | 1.56 | 0 | 0 | 21.78 | |
| 65 | 0 | 0 | 0 | 0.75 | 2.53 | 3.62 | 5.21 | 4.76 | 2.71 | 1.6 | 0 | 0 | 21.19 | |
| 66 | 0 | 0 | 0 | 1.12 | 3.24 | 4.24 | 5.66 | 4.69 | 3.07 | 1.61 | 0 | 0 | 23.64 | |
| 67 | 0 | 0 | 0 | 1.19 | 2.69 | 4.09 | 5.64 | 4.36 | 3.07 | 1.63 | 0 | 0 | 22.68 | |
| 68 | 0 | 0 | 0 | 0.45 | 2.64 | 4.26 | 5.14 | 4.14 | 2.79 | 1.44 | 0 | 0 | 20.84 | |
| 69 | 0 | 0 | 0 | 1.26 | 3.09 | 4.08 | 5.7 | 5.18 | 3.29 | 1.19 | 0 | 0 | 23.79 | |
| 70 | 0 | 0 | 0 | 0.28 | 2.93 | 4.32 | 5.66 | 4.86 | 3 | 0.68 | 0 | 0 | 21.74 | |
| 71 | 0 | 0 | 0 | 0.78 | 2.53 | 4.39 | 5.78 | 4.43 | 2.9 | 1.12 | 0 | 0 | 21.92 | |
| 72 | 0 | 0 | 0.02 | 1.65 | 2.81 | 4.34 | 5.64 | 4.59 | 2.97 | 1.51 | 0 | 0 | 23.54 | |
| 73 | 0 | 0 | 0 | 0.23 | 2.75 | 4.11 | 5.17 | 4.71 | 2.87 | 1.6 | 0 | 0 | 21.46 | |
| 74 | 0 | 0 | 0 | 1.02 | 3.24 | 5.14 | 5.28 | 4.39 | 3.03 | 1.63 | 0 | 0 | 23.74 | |
| 75 | 0 | 0 | 0 | 0.1 | 2.48 | 3.87 | 5.34 | 4.58 | 2.87 | 1.41 | 0 | 0 | 20.65 | |
| 76 | 0 | 0 | 0 | 1.1 | 3.02 | 4.31 | 5.49 | 4.64 | 3.22 | 1.15 | 0 | 0 | 22.95 | |
| 77 | 0 | 0 | 0 | 1.19 | 2.69 | 4.58 | 5.36 | 5.04 | 3.32 | 1.78 | 0 | 0 | 23.95 | |
| 78 | 0 | 0 | 0 | 1.62 | 2.66 | 4.41 | 5.49 | 4.41 | 3.12 | 1.88 | 0.03 | 0 | 23.62 | |
| 79 | 0 | 0 | 0 | 1.22 | 2.68 | 4.26 | 5.43 | 4.36 | 3.51 | 1.69 | 0 | 0 | 23.15 | |
| 80 | 0 | 0 | 0 | 0.82 | 2.6 | 4.65 | 5.82 | 4.81 | 3.32 | 1.33 | 0 | 0 | 23.34 | |
| 81 | 0 | 0 | 0 | 1.71 | 2.87 | 4.94 | 5.43 | 4.86 | 3.21 | 1.55 | 0 | 0 | 24.58 | |
| 82 | 0 | 0 | 0 | 1.07 | 2.7 | 3.98 | 5.16 | 4.73 | 3.3 | 1.14 | 0 | 0 | 22.08 | |
| 83 | 0 | 0 | 0 | 0.27 | 2.73 | 3.84 | 5.21 | 4.79 | 3.47 | 1.59 | 0 | 0 | 21.91 | |
| 84 | 0 | 0 | 0 | 0.69 | 3.48 | 4.44 | 5.55 | 4.58 | 3.16 | 0.64 | 0 | 0 | 22.54 | |
| 85 | 0 | 0 | 0 | 1.73 | 3.05 | 4.71 | 5.68 | 4.81 | 2.75 | 1.51 | 0 | 0 | 24.25 | |
| 86 | 0 | 0 | 0 | 1.65 | 2.89 | 4.36 | 4.99 | 4.91 | 2.8 | 1.23 | 0 | 0 | 22.83 | |
| 87 | 0 | 0 | 0 | 1.27 | 2.71 | 4.27 | 4.81 | 4.54 | 2.83 | 1.66 | 0 | 0 | 22.11 | |
| 88 | 0 | 0 | 0 | 0.99 | 2.98 | 4.56 | 5.28 | 4.56 | 2.83 | 1.73 | 0 | 0 | 22.93 | |
| 89 | 0 | 0 | 0.27 | 2.08 | 3.29 | 4.29 | 5.47 | 4.43 | 3.15 | 1.31 | 0 | 0 | 24.28 | |
| 90 | 0 | 0 | 0 | 1.73 | 2.79 | 4.91 | 5.16 | 4.25 | 3.43 | 1.34 | 0 | 0 | 23.62 | |
| 91 | 0 | 0 | 0 | 0.72 | 2.86 | 3.84 | 5.17 | 4.68 | 3.13 | 1.47 | 0 | 0 | 21.88 | |
| 92 | 0 | 0 | 0 | 1.87 | 2.94 | 3.9 | 4.76 | 4.39 | 3.12 | 1.39 | 0 | 0 | 22.38 | |
| 93 | 0 | 0 | 0 | 1.07 | 3 | 4.18 | 5.08 | 4.44 | 2.9 | 1.13 | 0 | 0 | 21.8 | |
| 94 | 0 | 0 | 0 | 1.31 | 2.97 | 4.71 | 5.47 | 5.05 | 3.05 | 0.98 | 0 | 0 | 23.54 | |
| 95 | 0 | 0 | 0 | 0.41 | 2.51 | 3.87 | 5.14 | 5.27 | 3.13 | 1.5 | 0 | 0 | 21.82 | |
| 96 | 0 | 0 | 0 | 1.37 | 3.35 | 4.7 | 5.51 | 4.74 | 2.66 | 1.26 | 0 | 0 | 23.59 | |
| 97 | 0 | 0 | 0 | 0.7 | 3.15 | 4.01 | 5.06 | 4.71 | 3.6 | 1.21 | 0 | 0 | 22.45 | |
| 98 | 0 | 0 | 0 | 0.58 | 2.82 | 3.87 | 5.45 | 4.76 | 3.64 | 1.58 | 0 | 0 | 22.7 | |
| 99 | 0 | 0 | 0 | 0.68 | 2.83 | 4.13 | 5.08 | 4.63 | 3.06 | 1.64 | 0.67 | 0 | 22.72 | |
| 0 | 0 | 0 | 0 | 1.81 | 3.26 | 4.73 | 5.49 | 4.95 | 3.32 | 1.24 | 0 | 0 | 24.8 | |
| 1 | 0 | 0 | 0 | 1.6 | 3.25 | 4.61 | 5.47 | 4.73 | 3.37 | 1.78 | 0 | 0 | 24.8 | |
| 2 | 0 | 0 | 0 | 1.96 | 3.05 | 4.87 | 5.47 | 4.69 | 3.08 | 1.28 | 0 | 0 | 24.41 | |
| 3 | 0 | 0 | 0 | 0.85 | 3.22 | 4.54 | 6.09 | 4.97 | 3.25 | 2.02 | 0.02 | 0 | 24.96 | |
| 4 | 0 | 0 | 0 | 1.44 | 3.11 | 4.36 | 5.14 | 4.28 | 2.93 | 1.23 | 0 | 0 | 22.49 | |
| 5 | 0 | 0 | 0 | 1.16 | 3.12 | 4.09 | 5.47 | 4.54 | 3.32 | 1.68 | 0 | 0 | 23.39 | |
| 6 | 0 | 0 | 0 | 1.72 | 3.41 | 5.03 | 5.55 | 4.25 | 2.17 | 0.5 | 0 | 0 | 22.63 | |
| 7 | 0 | 0 | 0 | 0.53 | 2.58 | 4.49 | 5.55 | 4.93 | 3.29 | 1.71 | 0.11 | 0 | 23.19 | |
| 8 | 0 | 0 | 0 | 0.62 | 2.68 | 4.46 | 5.3 | 4.73 | 3.02 | 1.41 | 0 | 0 | 22.21 | |
| AV | 0 | 0 | 0.01 | 1.11 | 2.92 | 4.36 | 5.41 | 4.68 | 3.14 | 1.45 | 0.02 | 0 | 23.1 | |

EFFECTIVE PRECIPITATION, Inches

El Morro Weather Station

| YR | Pasture Grass/Hay | | | | | | | | | | | | ANNUAL |
|----|-------------------|-----|-----|------|------|------|------|------|------|------|-----|-----|--------|
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| 38 | 0 | 0 | 0 | 0.32 | 0.33 | 0.76 | 0.8 | 1.42 | 1.29 | 0 | 0 | 0 | 4.92 |
| 39 | 0 | 0 | 0 | 0.41 | 0 | 0 | 0.97 | 0.78 | 0.92 | 0.47 | 0 | 0 | 3.55 |
| 40 | 0 | 0 | 0 | 0.51 | 0.26 | 0.37 | 2.18 | 2.26 | 1.48 | 0.62 | 0 | 0 | 7.68 |
| 41 | 0 | 0 | 0 | 0.22 | 1.03 | 0.43 | 1.08 | 1.6 | 2 | 0.62 | 0 | 0 | 6.98 |
| 42 | 0 | 0 | 0 | 0.35 | 0 | 0 | 0.81 | 1.81 | 0.5 | 0.7 | 0 | 0 | 4.17 |
| 43 | 0 | 0 | 0 | 0.29 | 0.26 | 0.53 | 2.03 | 2.22 | 0.57 | 0.79 | 0 | 0 | 6.69 |
| 44 | 0 | 0 | 0 | 0.04 | 0.4 | 0.6 | 1.03 | 0.85 | 0.77 | 1.04 | 0 | 0 | 4.73 |
| 45 | 0 | 0 | 0 | 0.03 | 0 | 0 | 1.34 | 2.25 | 0.34 | 0.52 | 0 | 0 | 4.48 |
| 46 | 0 | 0 | 0 | 0.08 | 0.09 | 0.1 | 1.39 | 3.29 | 0.95 | 0.19 | 0 | 0 | 6.09 |
| 47 | 0 | 0 | 0 | 0 | 0.93 | 0.44 | 1.72 | 4.61 | 0.65 | 0.94 | 0 | 0 | 9.29 |
| 48 | 0 | 0 | 0 | 0 | 0.42 | 0.98 | 1.58 | 1.63 | 1.44 | 0.76 | 0 | 0 | 6.81 |
| 49 | 0 | 0 | 0 | 0.19 | 0 | 0.68 | 1.39 | 0.77 | 1.19 | 0.5 | 0 | 0 | 4.72 |
| 50 | 0 | 0 | 0 | 0 | 0 | 0 | 2.05 | 0.61 | 0.89 | 0 | 0 | 0 | 3.55 |
| 51 | 0 | 0 | 0 | 0.38 | 0.26 | 0 | 0.74 | 2.27 | 0.26 | 0.18 | 0 | 0 | 4.09 |
| 52 | 0 | 0 | 0 | 0.49 | 0.08 | 0.85 | 1.31 | 2.22 | 0.64 | 0 | 0 | 0 | 5.59 |
| 53 | 0 | 0 | 0 | 0.28 | 0.17 | 0.09 | 1.92 | 1.14 | 0 | 0.29 | 0 | 0 | 3.89 |
| 54 | 0 | 0 | 0 | 0 | 0.92 | 0.44 | 1.78 | 1.99 | 2.03 | 0.46 | 0 | 0 | 7.62 |
| 55 | 0 | 0 | 0 | 0.02 | 0.26 | 0.68 | 2.96 | 2.32 | 0 | 0.07 | 0 | 0 | 6.31 |
| 56 | 0 | 0 | 0 | 0.08 | 0.42 | 0.29 | 1.17 | 0.9 | 0 | 0.3 | 0 | 0 | 3.16 |
| 57 | 0 | 0 | 0 | 0.05 | 0.81 | 0.53 | 2.28 | 1.92 | 0 | 0.95 | 0 | 0 | 6.54 |
| 58 | 0 | 0 | 0 | 0.25 | 0 | 0.37 | 1.03 | 1.43 | 1.12 | 0.37 | 0 | 0 | 4.57 |
| 59 | 0 | 0 | 0 | 0.36 | 0 | 0.46 | 0.74 | 3.19 | 0 | 1.03 | 0 | 0 | 5.78 |
| 60 | 0 | 0 | 0 | 0.16 | 0.41 | 0.37 | 0.72 | 0.46 | 0.18 | 0.78 | 0 | 0 | 3.08 |
| 61 | 0 | 0 | 0 | 0.19 | 0.18 | 0.2 | 1.42 | 2.39 | 0.17 | 0.93 | 0 | 0 | 5.48 |
| 62 | 0 | 0 | 0 | 0.1 | 0 | 0.18 | 0.87 | 0.37 | 2.24 | 1 | 0 | 0 | 4.76 |
| 63 | 0 | 0 | 0 | 0 | 0 | 0 | 1.21 | 2.51 | 2.04 | 0.91 | 0 | 0 | 6.67 |
| 64 | 0 | 0 | 0 | 0.1 | 0.08 | 0.09 | 1.56 | 2.7 | 1.29 | 0.13 | 0 | 0 | 5.95 |
| 65 | 0 | 0 | 0 | 0.47 | 0.54 | 1 | 2.57 | 1.14 | 0.48 | 0.15 | 0 | 0 | 6.35 |
| 66 | 0 | 0 | 0 | 0.44 | 0.09 | 0.52 | 1.49 | 1.55 | 1.35 | 0.08 | 0 | 0 | 5.52 |
| 67 | 0 | 0 | 0 | 0 | 0.09 | 1.1 | 2.89 | 1.78 | 0.49 | 0.3 | 0 | 0 | 6.65 |
| 68 | 0 | 0 | 0 | 0.08 | 0.33 | 0 | 1.66 | 1.31 | 0 | 0.18 | 0 | 0 | 3.56 |
| 69 | 0 | 0 | 0 | 0.22 | 0.84 | 0 | 1.85 | 2.57 | 0.78 | 0.8 | 0 | 0 | 7.06 |
| 70 | 0 | 0 | 0 | 0 | 0.26 | 0.6 | 0.89 | 1.83 | 0.57 | 0.21 | 0 | 0 | 4.36 |
| 71 | 0 | 0 | 0 | 0.16 | 0 | 0 | 1.36 | 2.99 | 1.41 | 0.74 | 0 | 0 | 6.66 |
| 72 | 0 | 0 | 0 | 0 | 0.18 | 0.9 | 1.2 | 2.66 | 0.84 | 1.51 | 0 | 0 | 7.29 |
| 73 | 0 | 0 | 0 | 0 | 0.69 | 0.27 | 1.16 | 1.42 | 0.63 | 0 | 0 | 0 | 4.17 |
| 74 | 0 | 0 | 0 | 0.09 | 0 | 0 | 0.95 | 2.45 | 0.63 | 1.63 | 0 | 0 | 5.75 |
| 75 | 0 | 0 | 0 | 0 | 0.08 | 0 | 1.03 | 1.34 | 2.15 | 0 | 0 | 0 | 4.6 |
| 76 | 0 | 0 | 0 | 0 | 0.77 | 0.19 | 1.48 | 1.41 | 0.71 | 0.43 | 0 | 0 | 4.99 |
| 77 | 0 | 0 | 0 | 0.84 | 0.41 | 0.28 | 2.66 | 1.98 | 1.74 | 0.52 | 0 | 0 | 8.43 |
| 78 | 0 | 0 | 0 | 0.06 | 1.01 | 0.19 | 0.81 | 0.68 | 0.09 | 0.6 | 0 | 0 | 3.44 |
| 79 | 0 | 0 | 0 | 0.13 | 1.68 | 0.45 | 0.88 | 2.09 | 0 | 0.51 | 0 | 0 | 5.74 |
| 80 | 0 | 0 | 0 | 0.14 | 0.25 | 0 | 0.31 | 1.14 | 1.92 | 0.22 | 0 | 0 | 3.98 |
| 81 | 0 | 0 | 0 | 0.87 | 0.25 | 1.01 | 1.89 | 1.07 | 1.3 | 0.49 | 0 | 0 | 6.88 |
| 82 | 0 | 0 | 0 | 0 | 0.62 | 0 | 1.66 | 2.51 | 1.18 | 0.03 | 0 | 0 | 6 |
| 83 | 0 | 0 | 0 | 0 | 0.56 | 0.27 | 1.53 | 1.88 | 2.5 | 0.79 | 0 | 0 | 7.53 |
| 84 | 0 | 0 | 0 | 0.25 | 0.09 | 0.45 | 1.63 | 2.85 | 2.24 | 0.55 | 0 | 0 | 8.06 |
| 85 | 0 | 0 | 0 | 0.8 | 0.41 | 0 | 2.32 | 1.21 | 0.96 | 0.84 | 0 | 0 | 6.54 |
| 86 | 0 | 0 | 0 | 0.54 | 0.56 | 1.19 | 2.66 | 1.43 | 0.76 | 0.9 | 0 | 0 | 8.04 |
| 87 | 0 | 0 | 0 | 0.13 | 0.95 | 0.9 | 1.62 | 2.54 | 0.17 | 0.41 | 0 | 0 | 6.72 |
| 88 | 0 | 0 | 0 | 0.73 | 0.33 | 1.93 | 1.1 | 2.3 | 0.17 | 0 | 0 | 0 | 6.56 |
| 89 | 0 | 0 | 0 | 0 | 0 | 0 | 2.29 | 1.19 | 0.98 | 0.69 | 0 | 0 | 5.15 |
| 90 | 0 | 0 | 0 | 0.82 | 0.96 | 0.71 | 1.66 | 1.25 | 1.56 | 0.45 | 0 | 0 | 7.41 |
| 91 | 0 | 0 | 0 | 0 | 0 | 0.66 | 0.94 | 1.68 | 1.04 | 0.59 | 0 | 0 | 4.91 |
| 92 | 0 | 0 | 0 | 0 | 2.37 | 0.27 | 1.35 | 2.09 | 0.42 | 0.43 | 0 | 0 | 6.93 |
| 93 | 0 | 0 | 0 | 0 | 0.77 | 0.1 | 0 | 4.44 | 0.26 | 0.6 | 0 | 0 | 6.17 |
| 94 | 0 | 0 | 0 | 0.73 | 1.1 | 0.53 | 1.26 | 1.08 | 1.23 | 0.98 | 0 | 0 | 6.91 |
| 95 | 0 | 0 | 0 | 0.17 | 0.33 | 0.09 | 0.47 | 2.07 | 1.42 | 0 | 0 | 0 | 4.55 |
| 96 | 0 | 0 | 0 | 0.41 | 0 | 0.7 | 1.62 | 2.13 | 1.91 | 0.93 | 0 | 0 | 7.7 |
| 97 | 0 | 0 | 0 | 0.23 | 0.34 | 1.23 | 1.65 | 2.13 | 1.52 | 0.45 | 0 | 0 | 7.55 |
| 98 | 0 | 0 | 0 | 0.24 | 0 | 0 | 3.1 | 2.14 | 0.35 | 1.58 | 0 | 0 | 7.41 |
| 99 | 0 | 0 | 0 | 0.34 | 0.89 | 0.36 | 1.98 | 2.62 | 0.49 | 0 | 0 | 0 | 6.68 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0.62 | 0.39 | 1.9 | 0.65 | 1.15 | 0 | 0 | 4.71 |
| 1 | 0 | 0 | 0 | 0.38 | 0.57 | 0.28 | 1.48 | 2.2 | 0.86 | 0.24 | 0 | 0 | 6.01 |
| 2 | 0 | 0 | 0 | 0.3 | 0 | 0 | 1.76 | 1.21 | 2.45 | 0.96 | 0 | 0 | 6.68 |
| 3 | 0 | 0 | 0 | 0.02 | 0 | 0 | 0.83 | 1.91 | 0.57 | 0.6 | 0 | 0 | 3.93 |
| 4 | 0 | 0 | 0 | 1.01 | 0 | 0.37 | 0.87 | 1.64 | 0.77 | 0.27 | 0 | 0 | 4.93 |
| 5 | 0 | 0 | 0 | 0.51 | 0.08 | 0.27 | 0.39 | 1.53 | 0.93 | 0.43 | 0 | 0 | 4.14 |
| 6 | 0 | 0 | 0 | 0.05 | 0.09 | 0.78 | 3.55 | 3.13 | 0.53 | 0.41 | 0 | 0 | 8.54 |
| 7 | 0 | 0 | 0 | 0.13 | 0.88 | 0.36 | 1.34 | 3.02 | 0.42 | 0.24 | 0 | 0 | 6.39 |
| 8 | 0 | 0 | 0 | 0 | 0.89 | 0.19 | 2.65 | 1.42 | 0.49 | 0.6 | 0 | 0 | 6.24 |

MODIFIED B-C CONSUMPTIVE USE OF IRRIGATION WATER

El Morro Weather Station

Pasture Grass/Hay

| Year | Crop Irrigation Requirement (inches) | | | | | | | | | | | | Total |
|------|--------------------------------------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| | January | February | March | April | May | June | July | August | September | October | November | December | |
| 38 | 0 | 0 | 0 | 0.86 | 2.29 | 3.78 | 4.43 | 3.32 | 1.73 | 1.51 | 0 | 0 | 17.93 |
| 39 | 0 | 0 | 0 | 1.18 | 3.01 | 4.41 | 4.6 | 4.15 | 2.43 | 0.85 | 0 | 0 | 20.63 |
| 40 | 0 | 0 | 0 | 0.83 | 2.92 | 4.31 | 3.46 | 2.47 | 1.58 | 1.13 | 0 | 0 | 16.7 |
| 41 | 0 | 0 | 0 | 0.18 | 1.94 | 3.3 | 3.89 | 2.89 | 1.01 | 0.72 | 0 | 0 | 13.93 |
| 42 | 0 | 0 | 0 | 1.23 | 2.9 | 4.13 | 4.79 | 2.85 | 2.7 | 0.88 | 0 | 0 | 19.49 |
| 43 | 0 | 0 | 0 | 1.54 | 2.67 | 3.78 | 3.48 | 2.66 | 2.59 | 0.61 | 0 | 0 | 17.34 |
| 44 | 0 | 0 | 0 | 0.52 | 2.35 | 3.51 | 4.22 | 4.06 | 2.3 | 0.71 | 0 | 0 | 17.66 |
| 45 | 0 | 0 | 0 | 0.64 | 2.81 | 3.71 | 4.19 | 2.91 | 2.81 | 1.11 | 0 | 0 | 18.17 |
| 46 | 0 | 0 | 0.06 | 2.05 | 2.59 | 4.53 | 3.93 | 1.52 | 2.8 | 1 | 0 | 0 | 18.49 |
| 47 | 0 | 0 | 0 | 0.97 | 2.44 | 3.64 | 4.04 | 0 | 2.76 | 0.63 | 0 | 0 | 14.48 |
| 48 | 0 | 0 | 0 | 1.42 | 2.76 | 3.41 | 4.18 | 3.22 | 1.89 | 0.6 | 0 | 0 | 17.49 |
| 49 | 0 | 0 | 0 | 0.85 | 2.75 | 3.59 | 3.91 | 3.79 | 2.24 | 0.84 | 0 | 0 | 17.98 |
| 50 | 0 | 0 | 0 | 1.67 | 2.77 | 4.34 | 3.07 | 3.8 | 1.85 | 2.26 | 0.25 | 0 | 20.01 |
| 51 | 0 | 0 | 0 | 0.58 | 2.75 | 4.01 | 5.19 | 2.56 | 2.98 | 1.25 | 0 | 0 | 19.31 |
| 52 | 0 | 0 | 0 | 0.67 | 3.08 | 3.73 | 3.88 | 2.71 | 2.75 | 1.63 | 0 | 0 | 18.44 |
| 53 | 0 | 0 | 0 | 0.56 | 2.23 | 4.69 | 3.8 | 3.49 | 3.46 | 1.33 | 0 | 0 | 19.55 |
| 54 | 0 | 0 | 0 | 1.83 | 2.29 | 4.03 | 3.94 | 2.57 | 1.3 | 1.39 | 0.08 | 0 | 17.43 |
| 55 | 0 | 0 | 0 | 0.79 | 2.55 | 3.56 | 2.31 | 2.42 | 3.29 | 1.74 | 0 | 0 | 16.67 |
| 56 | 0 | 0 | 0 | 0.71 | 2.82 | 4.6 | 4.04 | 3.41 | 3.47 | 1.24 | 0 | 0 | 20.29 |
| 57 | 0 | 0 | 0 | 0.46 | 1.77 | 3.96 | 3.1 | 2.56 | 3.07 | 0.25 | 0 | 0 | 15.16 |
| 58 | 0 | 0 | 0 | 0.58 | 3.37 | 4.5 | 4.31 | 3.55 | 2.13 | 1.11 | 0 | 0 | 19.54 |
| 59 | 0 | 0 | 0 | 1 | 2.89 | 4.52 | 4.98 | 1.37 | 2.98 | 0.16 | 0 | 0 | 17.9 |
| 60 | 0 | 0 | 0 | 1.22 | 2.37 | 4.21 | 4.73 | 4.59 | 3.23 | 0.37 | 0 | 0 | 20.71 |
| 61 | 0 | 0 | 0 | 0.74 | 2.78 | 4.71 | 4.13 | 2.34 | 2.63 | 0.19 | 0 | 0 | 17.53 |
| 62 | 0 | 0 | 0 | 1.43 | 2.69 | 3.91 | 4.36 | 4.41 | 0.92 | 0.53 | 0 | 0 | 18.24 |
| 63 | 0 | 0 | 0 | 1.03 | 3.24 | 4.13 | 4.55 | 1.88 | 1.34 | 1.02 | 0.04 | 0 | 17.21 |
| 64 | 0 | 0 | 0 | 0.25 | 2.74 | 4 | 3.99 | 1.74 | 1.67 | 1.43 | 0 | 0 | 15.83 |
| 65 | 0 | 0 | 0 | 0.28 | 1.99 | 2.62 | 2.64 | 3.62 | 2.23 | 1.45 | 0 | 0 | 14.82 |
| 66 | 0 | 0 | 0 | 0.68 | 3.15 | 3.72 | 4.17 | 3.14 | 1.72 | 1.53 | 0 | 0 | 18.11 |
| 67 | 0 | 0 | 0 | 1.19 | 2.6 | 2.99 | 2.75 | 2.58 | 2.58 | 1.33 | 0 | 0 | 16.04 |
| 68 | 0 | 0 | 0 | 0.37 | 2.31 | 4.26 | 3.48 | 2.83 | 2.79 | 1.26 | 0 | 0 | 17.29 |
| 69 | 0 | 0 | 0 | 1.04 | 2.25 | 4.08 | 3.85 | 2.61 | 2.51 | 0.39 | 0 | 0 | 16.72 |
| 70 | 0 | 0 | 0 | 0.28 | 2.67 | 3.72 | 4.77 | 3.03 | 2.43 | 0.47 | 0 | 0 | 17.38 |
| 71 | 0 | 0 | 0 | 0.62 | 2.53 | 4.39 | 4.42 | 1.44 | 1.49 | 0.38 | 0 | 0 | 15.27 |
| 72 | 0 | 0 | 0.02 | 1.65 | 2.63 | 3.44 | 4.44 | 1.93 | 2.13 | 0 | 0 | 0 | 16.25 |
| 73 | 0 | 0 | 0 | 0.23 | 2.06 | 3.84 | 4.01 | 3.29 | 2.24 | 1.6 | 0 | 0 | 17.28 |
| 74 | 0 | 0 | 0 | 0.93 | 3.24 | 5.14 | 4.33 | 1.94 | 2.4 | 0 | 0 | 0 | 17.98 |
| 75 | 0 | 0 | 0 | 0.1 | 2.4 | 3.87 | 4.31 | 3.24 | 0.72 | 1.41 | 0 | 0 | 16.05 |
| 76 | 0 | 0 | 0 | 1.1 | 2.25 | 4.12 | 4.01 | 3.23 | 2.51 | 0.72 | 0 | 0 | 17.95 |
| 77 | 0 | 0 | 0 | 0.35 | 2.28 | 4.3 | 2.7 | 3.06 | 1.58 | 1.26 | 0 | 0 | 15.52 |
| 78 | 0 | 0 | 0 | 1.56 | 1.65 | 4.22 | 4.68 | 3.73 | 3.03 | 1.28 | 0.03 | 0 | 20.18 |
| 79 | 0 | 0 | 0 | 1.09 | 1 | 3.81 | 4.55 | 2.27 | 3.51 | 1.18 | 0 | 0 | 17.42 |
| 80 | 0 | 0 | 0 | 0.68 | 2.35 | 4.65 | 5.51 | 3.67 | 1.4 | 1.11 | 0 | 0 | 19.36 |
| 81 | 0 | 0 | 0 | 0.84 | 2.62 | 3.93 | 3.54 | 3.79 | 1.91 | 1.06 | 0 | 0 | 17.69 |
| 82 | 0 | 0 | 0 | 1.07 | 2.08 | 3.98 | 3.5 | 2.22 | 2.12 | 1.11 | 0 | 0 | 16.09 |
| 83 | 0 | 0 | 0 | 0.27 | 2.17 | 3.57 | 3.68 | 2.91 | 0.97 | 0.8 | 0 | 0 | 14.38 |
| 84 | 0 | 0 | 0 | 0.44 | 3.39 | 3.99 | 3.92 | 1.73 | 0.92 | 0.09 | 0 | 0 | 14.5 |
| 85 | 0 | 0 | 0 | 0.93 | 2.64 | 4.71 | 3.36 | 3.6 | 1.79 | 0.67 | 0 | 0 | 17.7 |
| 86 | 0 | 0 | 0 | 1.11 | 2.33 | 3.17 | 2.33 | 3.48 | 2.04 | 0.33 | 0 | 0 | 14.79 |
| 87 | 0 | 0 | 0 | 1.14 | 1.76 | 3.37 | 3.19 | 2 | 2.66 | 1.25 | 0 | 0 | 15.38 |
| 88 | 0 | 0 | 0 | 0.26 | 2.65 | 2.63 | 4.18 | 2.26 | 2.66 | 1.73 | 0 | 0 | 16.37 |
| 89 | 0 | 0 | 0.27 | 2.08 | 3.29 | 4.29 | 3.18 | 3.24 | 2.17 | 0.62 | 0 | 0 | 19.14 |
| 90 | 0 | 0 | 0 | 0.91 | 1.83 | 4.2 | 3.5 | 3 | 1.87 | 0.89 | 0 | 0 | 16.2 |
| 91 | 0 | 0 | 0 | 0.72 | 2.86 | 3.18 | 4.23 | 3 | 2.09 | 0.88 | 0 | 0 | 16.95 |
| 92 | 0 | 0 | 0 | 1.87 | 0.57 | 3.63 | 3.41 | 2.3 | 2.7 | 0.96 | 0 | 0 | 15.44 |
| 93 | 0 | 0 | 0 | 1.07 | 2.23 | 4.08 | 5.08 | 0 | 2.64 | 0.53 | 0 | 0 | 15.63 |
| 94 | 0 | 0 | 0 | 0.58 | 1.87 | 4.18 | 4.21 | 3.97 | 1.82 | 0 | 0 | 0 | 16.62 |
| 95 | 0 | 0 | 0 | 0.24 | 2.18 | 3.78 | 4.67 | 3.2 | 1.71 | 1.5 | 0 | 0 | 17.28 |
| 96 | 0 | 0 | 0 | 0.96 | 3.35 | 4 | 3.89 | 2.61 | 0.75 | 0.33 | 0 | 0 | 15.89 |
| 97 | 0 | 0 | 0 | 0.47 | 2.81 | 2.78 | 3.41 | 2.58 | 2.08 | 0.76 | 0 | 0 | 14.89 |
| 98 | 0 | 0 | 0 | 0.34 | 2.82 | 3.87 | 2.35 | 2.62 | 3.29 | 0 | 0 | 0 | 15.29 |
| 99 | 0 | 0 | 0 | 0.34 | 1.94 | 3.77 | 3.1 | 2.01 | 2.57 | 1.64 | 0.67 | 0 | 16.05 |
| 0 | 0 | 0 | 0 | 1.81 | 3.26 | 4.11 | 5.1 | 3.05 | 2.67 | 0.09 | 0 | 0 | 20.1 |
| 1 | 0 | 0 | 0 | 1.22 | 2.68 | 4.33 | 3.99 | 2.53 | 2.51 | 1.54 | 0 | 0 | 18.81 |
| 2 | 0 | 0 | 0 | 1.66 | 3.05 | 4.87 | 3.71 | 3.48 | 0.63 | 0.32 | 0 | 0 | 17.74 |
| 3 | 0 | 0 | 0 | 0.83 | 3.22 | 4.54 | 5.26 | 3.06 | 2.68 | 1.42 | 0.02 | 0 | 21.03 |
| 4 | 0 | 0 | 0 | 0.43 | 3.11 | 3.99 | 4.27 | 2.64 | 2.16 | 0.96 | 0 | 0 | 17.57 |
| 5 | 0 | 0 | 0 | 0.65 | 3.04 | 3.82 | 5.08 | 3.01 | 2.39 | 1.25 | 0 | 0 | 19.25 |
| 6 | 0 | 0 | 0 | 1.67 | 3.32 | 4.25 | 2 | 1.12 | 1.64 | 0.09 | 0 | 0 | 14.08 |
| 7 | 0 | 0 | 0 | 0.4 | 1.7 | 4.13 | 4.21 | 1.91 | 2.87 | 1.47 | 0.11 | 0 | 16.8 |
| 8 | 0 | 0 | 0 | 0.62 | 1.79 | 4.27 | 2.65 | 3.31 | 2.53 | 0.81 | 0 | 0 | 15.97 |

| | | | | | | | | | | | | | |
|----|---|---|------|------|------|------|------|------|------|------|------|---|-------|
| AV | 0 | 0 | 0.01 | 0.89 | 2.53 | 3.97 | 3.93 | 2.78 | 2.23 | 0.91 | 0.02 | 0 | 17.26 |
|----|---|---|------|------|------|------|------|------|------|------|------|---|-------|

**MODIFIED B-C GROSS CONSUMPTIVE USE
El Morro Weather Station**

Spring Grain

| Year | Crop Potential Evapotranspiration (inches) | | | | | | | | | | | | | Total |
|------|--|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|---|-------|
| | January | February | March | April | May | June | July | August | September | October | November | December | | |
| 38 | 0 | 0 | 0 | 0.58 | 2.35 | 6.45 | 5.15 | 0.66 | 0 | 0 | 0 | 0 | 0 | 15.19 |
| 39 | 0 | 0 | 0 | 0.83 | 3.14 | 6.2 | 4.83 | 0.4 | 0 | 0 | 0 | 0 | 0 | 15.4 |
| 40 | 0 | 0 | 0 | 0.66 | 2.97 | 6.63 | 5.39 | 0.6 | 0 | 0 | 0 | 0 | 0 | 16.25 |
| 41 | 0 | 0 | 0 | 0.15 | 1.63 | 4.67 | 6.39 | 1.93 | 0 | 0 | 0 | 0 | 0 | 14.77 |
| 42 | 0 | 0 | 0 | 0.81 | 2.92 | 5.82 | 5.02 | 0.44 | 0 | 0 | 0 | 0 | 0 | 15.01 |
| 43 | 0 | 0 | 0 | 1 | 3.26 | 6 | 4.13 | 0.21 | 0 | 0 | 0 | 0 | 0 | 14.6 |
| 44 | 0 | 0 | 0 | 0.22 | 1.54 | 5.27 | 6.54 | 1.73 | 0 | 0 | 0 | 0 | 0 | 15.29 |
| 45 | 0 | 0 | 0 | 0.28 | 1.59 | 4.87 | 6.67 | 1.56 | 0 | 0 | 0 | 0 | 0 | 14.96 |
| 46 | 0 | 0 | 0.02 | 1.18 | 3.11 | 6.4 | 3.47 | 0.09 | 0 | 0 | 0 | 0 | 0 | 14.29 |
| 47 | 0 | 0 | 0 | 0.43 | 2.4 | 5.57 | 6.51 | 1.02 | 0 | 0 | 0 | 0 | 0 | 15.94 |
| 48 | 0 | 0 | 0 | 0.7 | 2.97 | 6.22 | 5.5 | 0.6 | 0 | 0 | 0 | 0 | 0 | 15.99 |
| 49 | 0 | 0 | 0 | 0.48 | 2.17 | 5.96 | 5.68 | 0.84 | 0 | 0 | 0 | 0 | 0 | 15.13 |
| 50 | 0 | 0 | 0 | 0.9 | 2.99 | 6.08 | 4.14 | 0.27 | 0 | 0 | 0 | 0 | 0 | 14.38 |
| 51 | 0 | 0 | 0 | 0.43 | 2.15 | 5.49 | 6.71 | 1.05 | 0 | 0 | 0 | 0 | 0 | 15.82 |
| 52 | 0 | 0 | 0 | 0.55 | 2.61 | 6.45 | 5.41 | 0.81 | 0 | 0 | 0 | 0 | 0 | 15.83 |
| 53 | 0 | 0 | 0 | 0.37 | 1.62 | 6.47 | 6.57 | 1.1 | 0 | 0 | 0 | 0 | 0 | 16.13 |
| 54 | 0 | 0 | 0 | 0.99 | 3.46 | 6.27 | 4.62 | 0.29 | 0 | 0 | 0 | 0 | 0 | 15.63 |
| 55 | 0 | 0 | 0 | 0.35 | 1.8 | 5.68 | 6.16 | 1.21 | 0 | 0 | 0 | 0 | 0 | 15.19 |
| 56 | 0 | 0 | 0 | 0.34 | 2.07 | 6.55 | 6.09 | 1.14 | 0 | 0 | 0 | 0 | 0 | 16.19 |
| 57 | 0 | 0 | 0 | 0.2 | 1.44 | 5.76 | 6.7 | 1.61 | 0 | 0 | 0 | 0 | 0 | 15.71 |
| 58 | 0 | 0 | 0 | 0.35 | 2.15 | 6.52 | 6.24 | 1.28 | 0 | 0 | 0 | 0 | 0 | 16.56 |
| 59 | 0 | 0 | 0 | 0.67 | 2.7 | 7.06 | 5.46 | 0.56 | 0 | 0 | 0 | 0 | 0 | 16.44 |
| 60 | 0 | 0 | 0 | 0.71 | 2.8 | 6.46 | 4.89 | 0.48 | 0 | 0 | 0 | 0 | 0 | 15.34 |
| 61 | 0 | 0 | 0 | 0.41 | 2.11 | 6.71 | 6.27 | 1.04 | 0 | 0 | 0 | 0 | 0 | 16.54 |
| 62 | 0 | 0 | 0 | 0.78 | 2.71 | 5.77 | 4.69 | 0.46 | 0 | 0 | 0 | 0 | 0 | 14.42 |
| 63 | 0 | 0 | 0 | 0.47 | 2.43 | 5.7 | 6.34 | 0.89 | 0 | 0 | 0 | 0 | 0 | 15.83 |
| 64 | 0 | 0 | 0 | 0.13 | 1.54 | 5.07 | 7.23 | 2.05 | 0 | 0 | 0 | 0 | 0 | 16.03 |
| 65 | 0 | 0 | 0 | 0.32 | 1.62 | 4.85 | 6.09 | 1.24 | 0 | 0 | 0 | 0 | 0 | 14.12 |
| 66 | 0 | 0 | 0 | 0.53 | 2.67 | 5.98 | 5.9 | 0.8 | 0 | 0 | 0 | 0 | 0 | 15.88 |
| 67 | 0 | 0 | 0 | 0.58 | 2.41 | 5.82 | 5.55 | 0.6 | 0 | 0 | 0 | 0 | 0 | 14.96 |
| 68 | 0 | 0 | 0 | 0.17 | 1.46 | 5.4 | 6.5 | 1.6 | 0 | 0 | 0 | 0 | 0 | 15.13 |
| 69 | 0 | 0 | 0 | 0.6 | 2.66 | 5.81 | 5.78 | 0.77 | 0 | 0 | 0 | 0 | 0 | 15.61 |
| 70 | 0 | 0 | 0 | 0.1 | 1.58 | 5.29 | 7.49 | 2.4 | 0.01 | 0 | 0 | 0 | 0 | 16.87 |
| 71 | 0 | 0 | 0 | 0.33 | 1.62 | 5.88 | 6.75 | 1.15 | 0 | 0 | 0 | 0 | 0 | 15.74 |
| 72 | 0 | 0 | 0.01 | 0.92 | 3.27 | 6.01 | 3.68 | 0.09 | 0 | 0 | 0 | 0 | 0 | 13.97 |
| 73 | 0 | 0 | 0 | 0.08 | 1.48 | 4.96 | 6.94 | 2.48 | 0.01 | 0 | 0 | 0 | 0 | 15.96 |
| 74 | 0 | 0 | 0 | 0.46 | 2.43 | 7.1 | 5.82 | 0.88 | 0 | 0 | 0 | 0 | 0 | 16.69 |
| 75 | 0 | 0 | 0 | 0.03 | 1.31 | 4.54 | 7.37 | 2.72 | 0.04 | 0 | 0 | 0 | 0 | 16.01 |
| 76 | 0 | 0 | 0 | 0.52 | 2.49 | 6.07 | 5.72 | 0.79 | 0 | 0 | 0 | 0 | 0 | 15.6 |
| 77 | 0 | 0 | 0 | 0.57 | 2.31 | 6.52 | 5.43 | 0.74 | 0 | 0 | 0 | 0 | 0 | 15.58 |
| 78 | 0 | 0 | 0 | 0.88 | 2.92 | 6.16 | 4.28 | 0.24 | 0 | 0 | 0 | 0 | 0 | 14.47 |
| 79 | 0 | 0 | 0 | 0.6 | 2.4 | 6.05 | 5.35 | 0.61 | 0 | 0 | 0 | 0 | 0 | 15 |
| 80 | 0 | 0 | 0 | 0.36 | 1.76 | 6.28 | 6.69 | 1.17 | 0 | 0 | 0 | 0 | 0 | 16.25 |
| 81 | 0 | 0 | 0 | 0.91 | 3.05 | 6.94 | 4.55 | 0.34 | 0 | 0 | 0 | 0 | 0 | 15.79 |
| 82 | 0 | 0 | 0 | 0.51 | 2.23 | 5.61 | 5.38 | 0.79 | 0 | 0 | 0 | 0 | 0 | 14.51 |
| 83 | 0 | 0 | 0 | 0.1 | 1.48 | 4.69 | 6.89 | 2.37 | 0.01 | 0 | 0 | 0 | 0 | 15.54 |
| 84 | 0 | 0 | 0 | 0.28 | 1.97 | 5.82 | 6.7 | 1.4 | 0 | 0 | 0 | 0 | 0 | 16.18 |
| 85 | 0 | 0 | 0 | 0.93 | 3.29 | 6.6 | 4.59 | 0.29 | 0 | 0 | 0 | 0 | 0 | 15.71 |
| 86 | 0 | 0 | 0 | 0.89 | 3.16 | 6.09 | 3.89 | 0.24 | 0 | 0 | 0 | 0 | 0 | 14.27 |
| 87 | 0 | 0 | 0 | 0.62 | 2.44 | 6.07 | 4.74 | 0.61 | 0 | 0 | 0 | 0 | 0 | 14.47 |
| 88 | 0 | 0 | 0 | 0.45 | 2.24 | 6.3 | 5.82 | 0.92 | 0 | 0 | 0 | 0 | 0 | 15.73 |
| 89 | 0 | 0 | 0.11 | 1.2 | 4.12 | 5.59 | 2.68 | 0.01 | 0 | 0 | 0 | 0 | 0 | 13.7 |
| 90 | 0 | 0 | 0 | 0.94 | 3.06 | 6.86 | 4.02 | 0.22 | 0 | 0 | 0 | 0 | 0 | 15.09 |
| 91 | 0 | 0 | 0 | 0.3 | 1.73 | 5.08 | 6.15 | 1.31 | 0 | 0 | 0 | 0 | 0 | 14.57 |
| 92 | 0 | 0 | 0 | 1.02 | 3.32 | 5.43 | 3.42 | 0.16 | 0 | 0 | 0 | 0 | 0 | 13.34 |
| 93 | 0 | 0 | 0 | 0.5 | 2.36 | 5.83 | 5.45 | 0.8 | 0 | 0 | 0 | 0 | 0 | 14.93 |
| 94 | 0 | 0 | 0 | 0.66 | 2.88 | 6.67 | 5.06 | 0.55 | 0 | 0 | 0 | 0 | 0 | 15.83 |
| 95 | 0 | 0 | 0 | 0.15 | 1.38 | 4.85 | 6.6 | 2.26 | 0 | 0 | 0 | 0 | 0 | 15.24 |
| 96 | 0 | 0 | 0 | 0.68 | 3.13 | 6.66 | 5.26 | 0.57 | 0 | 0 | 0 | 0 | 0 | 16.29 |
| 97 | 0 | 0 | 0 | 0.29 | 1.79 | 5.26 | 6.12 | 1.41 | 0 | 0 | 0 | 0 | 0 | 14.86 |
| 98 | 0 | 0 | 0 | 0.23 | 1.59 | 5.02 | 6.69 | 1.59 | 0 | 0 | 0 | 0 | 0 | 15.11 |
| 99 | 0 | 0 | 0 | 0.28 | 1.61 | 5.41 | 6.14 | 1.39 | 0 | 0 | 0 | 0 | 0 | 14.82 |
| 0 | 0 | 0 | 0 | 0.98 | 3.58 | 6.61 | 4.28 | 0.25 | 0 | 0 | 0 | 0 | 0 | 15.69 |
| 1 | 0 | 0 | 0 | 0.85 | 3.45 | 6.47 | 4.58 | 0.33 | 0 | 0 | 0 | 0 | 0 | 15.69 |
| 2 | 0 | 0 | 0 | 1.07 | 3.4 | 6.79 | 4.1 | 0.2 | 0 | 0 | 0 | 0 | 0 | 15.56 |
| 3 | 0 | 0 | 0 | 0.37 | 2.06 | 6.08 | 7.12 | 1.27 | 0 | 0 | 0 | 0 | 0 | 16.9 |
| 4 | 0 | 0 | 0 | 0.77 | 3.3 | 6.12 | 4.3 | 0.3 | 0 | 0 | 0 | 0 | 0 | 14.79 |
| 5 | 0 | 0 | 0 | 0.55 | 2.57 | 5.77 | 5.7 | 0.75 | 0 | 0 | 0 | 0 | 0 | 15.34 |
| 6 | 0 | 0 | 0 | 0.91 | 3.62 | 7.06 | 4.65 | 0.31 | 0 | 0 | 0 | 0 | 0 | 16.55 |
| 7 | 0 | 0 | 0 | 0.21 | 1.44 | 5.76 | 6.91 | 1.76 | 0 | 0 | 0 | 0 | 0 | 16.08 |
| 8 | 0 | 0 | 0 | 0.25 | 1.5 | 5.78 | 6.5 | 1.54 | 0 | 0 | 0 | 0 | 0 | 15.57 |
| AV | 0 | 0 | 0 | 0.55 | 2.41 | 5.94 | 5.58 | 0.94 | 0 | 0 | 0 | 0 | 0 | 15.42 |

EFFECTIVE PRECIPITATION, Inches

El Morro Weather Station

Spring Grain

| YR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|----|-----|-----|-----|------|------|------|------|------|------|-----|-----|-----|--------|
| 38 | 0 | 0 | 0 | 0.31 | 0.32 | 0.85 | 0.8 | 0.66 | 0 | 0 | 0 | 0 | 2.94 |
| 39 | 0 | 0 | 0 | 0.4 | 0 | 0 | 0.93 | 0.25 | 0 | 0 | 0 | 0 | 1.58 |
| 40 | 0 | 0 | 0 | 0.48 | 0.26 | 0.41 | 2.15 | 0.6 | 0 | 0 | 0 | 0 | 3.9 |
| 41 | 0 | 0 | 0 | 0.15 | 0.96 | 0.45 | 1.17 | 1.39 | 0 | 0 | 0 | 0 | 4.12 |
| 42 | 0 | 0 | 0 | 0.33 | 0 | 0 | 0.78 | 0.44 | 0 | 0 | 0 | 0 | 1.55 |
| 43 | 0 | 0 | 0 | 0.28 | 0.26 | 0.57 | 1.88 | 0.21 | 0 | 0 | 0 | 0 | 3.2 |
| 44 | 0 | 0 | 0 | 0.04 | 0.38 | 0.64 | 1.1 | 0.67 | 0 | 0 | 0 | 0 | 2.83 |
| 45 | 0 | 0 | 0 | 0.03 | 0 | 0 | 1.42 | 1.56 | 0 | 0 | 0 | 0 | 3.01 |
| 46 | 0 | 0 | 0 | 0.08 | 0.08 | 0.1 | 1.26 | 0.09 | 0 | 0 | 0 | 0 | 1.61 |
| 47 | 0 | 0 | 0 | 0 | 0.87 | 0.47 | 1.79 | 1.02 | 0 | 0 | 0 | 0 | 4.15 |
| 48 | 0 | 0 | 0 | 0 | 0.41 | 1.08 | 1.55 | 0.6 | 0 | 0 | 0 | 0 | 3.64 |
| 49 | 0 | 0 | 0 | 0.18 | 0 | 0.74 | 1.42 | 0.42 | 0 | 0 | 0 | 0 | 2.76 |
| 50 | 0 | 0 | 0 | 0 | 0 | 0 | 1.94 | 0.16 | 0 | 0 | 0 | 0 | 2.1 |
| 51 | 0 | 0 | 0 | 0.37 | 0.25 | 0 | 0.78 | 1.05 | 0 | 0 | 0 | 0 | 2.45 |
| 52 | 0 | 0 | 0 | 0.48 | 0.09 | 0.93 | 1.33 | 0.81 | 0 | 0 | 0 | 0 | 3.64 |
| 53 | 0 | 0 | 0 | 0.28 | 0.16 | 0.1 | 2.01 | 0.72 | 0 | 0 | 0 | 0 | 3.27 |
| 54 | 0 | 0 | 0 | 0 | 0.93 | 0.5 | 1.67 | 0.29 | 0 | 0 | 0 | 0 | 3.39 |
| 55 | 0 | 0 | 0 | 0.02 | 0.24 | 0.74 | 3.11 | 1.21 | 0 | 0 | 0 | 0 | 5.32 |
| 56 | 0 | 0 | 0 | 0.08 | 0.39 | 0.32 | 1.23 | 0.63 | 0 | 0 | 0 | 0 | 2.65 |
| 57 | 0 | 0 | 0 | 0.05 | 0.77 | 0.57 | 2.45 | 1.56 | 0 | 0 | 0 | 0 | 5.4 |
| 58 | 0 | 0 | 0 | 0.24 | 0 | 0.41 | 1.08 | 0.96 | 0 | 0 | 0 | 0 | 2.69 |
| 59 | 0 | 0 | 0 | 0.34 | 0 | 0.52 | 0.73 | 0.56 | 0 | 0 | 0 | 0 | 2.15 |
| 60 | 0 | 0 | 0 | 0.16 | 0.41 | 0.41 | 0.71 | 0.15 | 0 | 0 | 0 | 0 | 1.84 |
| 61 | 0 | 0 | 0 | 0.18 | 0.17 | 0.22 | 1.47 | 1.04 | 0 | 0 | 0 | 0 | 3.08 |
| 62 | 0 | 0 | 0 | 0.09 | 0 | 0.2 | 0.85 | 0.11 | 0 | 0 | 0 | 0 | 1.25 |
| 63 | 0 | 0 | 0 | 0 | 0 | 0 | 1.25 | 0.89 | 0 | 0 | 0 | 0 | 2.14 |
| 64 | 0 | 0 | 0 | 0.1 | 0.08 | 0.09 | 1.71 | 2.05 | 0 | 0 | 0 | 0 | 4.03 |
| 65 | 0 | 0 | 0 | 0.32 | 0.52 | 1.08 | 2.7 | 0.77 | 0 | 0 | 0 | 0 | 5.39 |
| 66 | 0 | 0 | 0 | 0.43 | 0.09 | 0.58 | 1.51 | 0.8 | 0 | 0 | 0 | 0 | 3.41 |
| 67 | 0 | 0 | 0 | 0 | 0.08 | 1.22 | 2.87 | 0.6 | 0 | 0 | 0 | 0 | 4.77 |
| 68 | 0 | 0 | 0 | 0.07 | 0.31 | 0 | 1.79 | 1.11 | 0 | 0 | 0 | 0 | 3.28 |
| 69 | 0 | 0 | 0 | 0.21 | 0.82 | 0 | 1.86 | 0.77 | 0 | 0 | 0 | 0 | 3.66 |
| 70 | 0 | 0 | 0 | 0 | 0.23 | 0.64 | 0.99 | 1.59 | 0 | 0 | 0 | 0 | 3.45 |
| 71 | 0 | 0 | 0 | 0.15 | 0 | 0 | 1.43 | 1.15 | 0 | 0 | 0 | 0 | 2.73 |
| 72 | 0 | 0 | 0 | 0 | 0.18 | 1 | 1.08 | 0.09 | 0 | 0 | 0 | 0 | 2.35 |
| 73 | 0 | 0 | 0 | 0 | 0.65 | 0.29 | 1.29 | 1.25 | 0 | 0 | 0 | 0 | 3.48 |
| 74 | 0 | 0 | 0 | 0.08 | 0 | 0 | 0.98 | 0.88 | 0 | 0 | 0 | 0 | 1.94 |
| 75 | 0 | 0 | 0 | 0 | 0.08 | 0 | 1.15 | 1.21 | 0.04 | 0 | 0 | 0 | 2.48 |
| 76 | 0 | 0 | 0 | 0.01 | 0.75 | 0.21 | 1.49 | 0.77 | 0 | 0 | 0 | 0 | 3.23 |
| 77 | 0 | 0 | 0 | 0.57 | 0.39 | 0.32 | 2.67 | 0.74 | 0 | 0 | 0 | 0 | 4.69 |
| 78 | 0 | 0 | 0 | 0.06 | 1.03 | 0.21 | 0.76 | 0.17 | 0 | 0 | 0 | 0 | 2.23 |
| 79 | 0 | 0 | 0 | 0.13 | 1.65 | 0.49 | 0.88 | 0.61 | 0 | 0 | 0 | 0 | 3.76 |
| 80 | 0 | 0 | 0 | 0.13 | 0.24 | 0 | 0.32 | 0.74 | 0 | 0 | 0 | 0 | 1.43 |
| 81 | 0 | 0 | 0 | 0.84 | 0.26 | 1.13 | 1.8 | 0.34 | 0 | 0 | 0 | 0 | 4.37 |
| 82 | 0 | 0 | 0 | 0 | 0.61 | 0 | 1.68 | 0.79 | 0 | 0 | 0 | 0 | 3.08 |
| 83 | 0 | 0 | 0 | 0 | 0.52 | 0.28 | 1.67 | 1.65 | 0.01 | 0 | 0 | 0 | 4.13 |
| 84 | 0 | 0 | 0 | 0.24 | 0.08 | 0.49 | 1.74 | 1.4 | 0 | 0 | 0 | 0 | 3.95 |
| 85 | 0 | 0 | 0 | 0.76 | 0.42 | 0 | 2.18 | 0.29 | 0 | 0 | 0 | 0 | 3.65 |
| 86 | 0 | 0 | 0 | 0.51 | 0.56 | 1.31 | 2.51 | 0.24 | 0 | 0 | 0 | 0 | 5.13 |
| 87 | 0 | 0 | 0 | 0.13 | 0.94 | 0.99 | 1.62 | 0.61 | 0 | 0 | 0 | 0 | 4.29 |
| 88 | 0 | 0 | 0 | 0.45 | 0.32 | 2.12 | 1.14 | 0.92 | 0 | 0 | 0 | 0 | 4.95 |
| 89 | 0 | 0 | 0 | 0 | 0 | 0 | 1.96 | 0 | 0 | 0 | 0 | 0 | 1.96 |
| 90 | 0 | 0 | 0 | 0.79 | 0.97 | 0.79 | 1.56 | 0.22 | 0 | 0 | 0 | 0 | 4.33 |
| 91 | 0 | 0 | 0 | 0 | 0 | 0.71 | 1 | 1.2 | 0 | 0 | 0 | 0 | 2.91 |
| 92 | 0 | 0 | 0 | 0 | 2.42 | 0.3 | 1.26 | 0.16 | 0 | 0 | 0 | 0 | 4.14 |
| 93 | 0 | 0 | 0 | 0 | 0.74 | 0.1 | 0 | 0.8 | 0 | 0 | 0 | 0 | 1.64 |
| 94 | 0 | 0 | 0 | 0.66 | 1.09 | 0.6 | 1.23 | 0.45 | 0 | 0 | 0 | 0 | 4.03 |
| 95 | 0 | 0 | 0 | 0.15 | 0.31 | 0.09 | 0.51 | 1.75 | 0 | 0 | 0 | 0 | 2.81 |
| 96 | 0 | 0 | 0 | 0.39 | 0 | 0.78 | 1.6 | 0.57 | 0 | 0 | 0 | 0 | 3.34 |
| 97 | 0 | 0 | 0 | 0.23 | 0.32 | 1.32 | 1.75 | 1.41 | 0 | 0 | 0 | 0 | 5.03 |
| 98 | 0 | 0 | 0 | 0.23 | 0 | 0 | 3.33 | 1.59 | 0 | 0 | 0 | 0 | 5.15 |
| 99 | 0 | 0 | 0 | 0.28 | 0.84 | 0.39 | 2.11 | 1.39 | 0 | 0 | 0 | 0 | 5.01 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0.69 | 0.36 | 0.25 | 0 | 0 | 0 | 0 | 1.3 |
| 1 | 0 | 0 | 0 | 0.36 | 0.58 | 0.31 | 1.4 | 0.33 | 0 | 0 | 0 | 0 | 2.98 |
| 2 | 0 | 0 | 0 | 0.28 | 0 | 0 | 1.62 | 0.2 | 0 | 0 | 0 | 0 | 2.1 |
| 3 | 0 | 0 | 0 | 0.03 | 0 | 0 | 0.89 | 1.26 | 0 | 0 | 0 | 0 | 2.18 |
| 4 | 0 | 0 | 0 | 0.77 | 0 | 0.4 | 0.82 | 0.3 | 0 | 0 | 0 | 0 | 2.29 |
| 5 | 0 | 0 | 0 | 0.49 | 0.08 | 0.3 | 0.39 | 0.75 | 0 | 0 | 0 | 0 | 2.01 |
| 6 | 0 | 0 | 0 | 0.05 | 0.09 | 0.88 | 3.38 | 0.31 | 0 | 0 | 0 | 0 | 4.71 |
| 7 | 0 | 0 | 0 | 0.13 | 0.83 | 0.4 | 1.45 | 1.76 | 0 | 0 | 0 | 0 | 4.57 |
| 8 | 0 | 0 | 0 | 0 | 0.83 | 0.21 | 2.83 | 1.07 | 0 | 0 | 0 | 0 | 4.94 |

MODIFIED B-C CONSUMPTIVE USE OF IRRIGATION WATER

El Morro Weather Station

Spring Grain

| Year | Crop Irrigation Requirement (inches) | | | | | | | | | | | | Total | |
|------|--------------------------------------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|-------|
| | January | February | March | April | May | June | July | August | September | October | November | December | | |
| 38 | 0 | 0 | 0 | 0.27 | 2.03 | 5.6 | 4.35 | 0 | 0 | 0 | 0 | 0 | 0 | 12.25 |
| 39 | 0 | 0 | 0 | 0.43 | 3.14 | 6.2 | 3.9 | 0.15 | 0 | 0 | 0 | 0 | 0 | 13.82 |
| 40 | 0 | 0 | 0 | 0.18 | 2.71 | 6.22 | 3.24 | 0 | 0 | 0 | 0 | 0 | 0 | 12.35 |
| 41 | 0 | 0 | 0 | 0 | 0.67 | 4.22 | 5.22 | 0.54 | 0 | 0 | 0 | 0 | 0 | 10.65 |
| 42 | 0 | 0 | 0 | 0.48 | 2.92 | 5.82 | 4.24 | 0 | 0 | 0 | 0 | 0 | 0 | 13.46 |
| 43 | 0 | 0 | 0 | 0.72 | 3 | 5.43 | 2.25 | 0 | 0 | 0 | 0 | 0 | 0 | 11.4 |
| 44 | 0 | 0 | 0 | 0.18 | 1.16 | 4.63 | 5.44 | 1.06 | 0 | 0 | 0 | 0 | 0 | 12.47 |
| 45 | 0 | 0 | 0 | 0.25 | 1.59 | 4.87 | 5.25 | 0 | 0 | 0 | 0 | 0 | 0 | 11.95 |
| 46 | 0 | 0 | 0.02 | 1.1 | 3.03 | 6.3 | 2.21 | 0 | 0 | 0 | 0 | 0 | 0 | 12.67 |
| 47 | 0 | 0 | 0 | 0.43 | 1.53 | 5.1 | 4.72 | 0 | 0 | 0 | 0 | 0 | 0 | 11.77 |
| 48 | 0 | 0 | 0 | 0.7 | 2.56 | 5.14 | 3.95 | 0 | 0 | 0 | 0 | 0 | 0 | 12.34 |
| 49 | 0 | 0 | 0 | 0.3 | 2.17 | 5.22 | 4.26 | 0.42 | 0 | 0 | 0 | 0 | 0 | 12.37 |
| 50 | 0 | 0 | 0 | 0.9 | 2.99 | 6.08 | 2.2 | 0.11 | 0 | 0 | 0 | 0 | 0 | 12.28 |
| 51 | 0 | 0 | 0 | 0.06 | 1.9 | 5.49 | 5.93 | 0 | 0 | 0 | 0 | 0 | 0 | 13.38 |
| 52 | 0 | 0 | 0 | 0.07 | 2.52 | 5.52 | 4.08 | 0 | 0 | 0 | 0 | 0 | 0 | 12.19 |
| 53 | 0 | 0 | 0 | 0.09 | 1.46 | 6.37 | 4.56 | 0.38 | 0 | 0 | 0 | 0 | 0 | 12.86 |
| 54 | 0 | 0 | 0 | 0.99 | 2.53 | 5.77 | 2.95 | 0 | 0 | 0 | 0 | 0 | 0 | 12.24 |
| 55 | 0 | 0 | 0 | 0.33 | 1.56 | 4.94 | 3.05 | 0 | 0 | 0 | 0 | 0 | 0 | 9.88 |
| 56 | 0 | 0 | 0 | 0.26 | 1.68 | 6.23 | 4.86 | 0.51 | 0 | 0 | 0 | 0 | 0 | 13.54 |
| 57 | 0 | 0 | 0 | 0.15 | 0.67 | 5.19 | 4.25 | 0.05 | 0 | 0 | 0 | 0 | 0 | 10.31 |
| 58 | 0 | 0 | 0 | 0.11 | 2.15 | 6.11 | 5.16 | 0.32 | 0 | 0 | 0 | 0 | 0 | 13.86 |
| 59 | 0 | 0 | 0 | 0.33 | 2.7 | 6.54 | 4.73 | 0 | 0 | 0 | 0 | 0 | 0 | 14.3 |
| 60 | 0 | 0 | 0 | 0.55 | 2.39 | 6.05 | 4.18 | 0.33 | 0 | 0 | 0 | 0 | 0 | 13.51 |
| 61 | 0 | 0 | 0 | 0.23 | 1.94 | 6.49 | 4.8 | 0 | 0 | 0 | 0 | 0 | 0 | 13.46 |
| 62 | 0 | 0 | 0 | 0.69 | 2.71 | 5.57 | 3.84 | 0.35 | 0 | 0 | 0 | 0 | 0 | 13.16 |
| 63 | 0 | 0 | 0 | 0.47 | 2.43 | 5.7 | 5.09 | 0 | 0 | 0 | 0 | 0 | 0 | 13.69 |
| 64 | 0 | 0 | 0 | 0.03 | 1.46 | 4.98 | 5.52 | 0 | 0 | 0 | 0 | 0 | 0 | 11.99 |
| 65 | 0 | 0 | 0 | 0 | 1.1 | 3.77 | 3.39 | 0.47 | 0 | 0 | 0 | 0 | 0 | 8.73 |
| 66 | 0 | 0 | 0 | 0.1 | 2.58 | 5.4 | 4.39 | 0 | 0 | 0 | 0 | 0 | 0 | 12.47 |
| 67 | 0 | 0 | 0 | 0.58 | 2.33 | 4.6 | 2.68 | 0 | 0 | 0 | 0 | 0 | 0 | 10.19 |
| 68 | 0 | 0 | 0 | 0.1 | 1.15 | 5.4 | 4.71 | 0.49 | 0 | 0 | 0 | 0 | 0 | 11.85 |
| 69 | 0 | 0 | 0 | 0.39 | 1.84 | 5.81 | 3.92 | 0 | 0 | 0 | 0 | 0 | 0 | 11.95 |
| 70 | 0 | 0 | 0 | 0.1 | 1.35 | 4.65 | 6.5 | 0.81 | 0.01 | 0 | 0 | 0 | 0 | 13.41 |
| 71 | 0 | 0 | 0 | 0.18 | 1.62 | 5.88 | 5.32 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| 72 | 0 | 0 | 0.01 | 0.92 | 3.09 | 5.01 | 2.6 | 0 | 0 | 0 | 0 | 0 | 0 | 11.63 |
| 73 | 0 | 0 | 0 | 0.08 | 0.83 | 4.67 | 5.65 | 1.23 | 0.01 | 0 | 0 | 0 | 0 | 12.49 |
| 74 | 0 | 0 | 0 | 0.38 | 2.43 | 7.1 | 4.84 | 0 | 0 | 0 | 0 | 0 | 0 | 14.74 |
| 75 | 0 | 0 | 0 | 0.03 | 1.23 | 4.54 | 6.22 | 1.51 | 0 | 0 | 0 | 0 | 0 | 13.53 |
| 76 | 0 | 0 | 0 | 0.51 | 1.74 | 5.86 | 4.23 | 0.02 | 0 | 0 | 0 | 0 | 0 | 12.37 |
| 77 | 0 | 0 | 0 | 0 | 1.92 | 6.2 | 2.76 | 0 | 0 | 0 | 0 | 0 | 0 | 10.88 |
| 78 | 0 | 0 | 0 | 0.82 | 1.89 | 5.95 | 3.52 | 0.07 | 0 | 0 | 0 | 0 | 0 | 12.25 |
| 79 | 0 | 0 | 0 | 0.47 | 0.75 | 5.56 | 4.47 | 0 | 0 | 0 | 0 | 0 | 0 | 11.25 |
| 80 | 0 | 0 | 0 | 0.23 | 1.52 | 6.28 | 6.37 | 0.43 | 0 | 0 | 0 | 0 | 0 | 14.82 |
| 81 | 0 | 0 | 0 | 0.07 | 2.79 | 5.81 | 2.75 | 0 | 0 | 0 | 0 | 0 | 0 | 11.43 |
| 82 | 0 | 0 | 0 | 0.51 | 1.62 | 5.61 | 3.7 | 0 | 0 | 0 | 0 | 0 | 0 | 11.43 |
| 83 | 0 | 0 | 0 | 0.1 | 0.96 | 4.41 | 5.22 | 0.72 | 0 | 0 | 0 | 0 | 0 | 11.41 |
| 84 | 0 | 0 | 0 | 0.04 | 1.89 | 5.33 | 4.96 | 0 | 0 | 0 | 0 | 0 | 0 | 12.23 |
| 85 | 0 | 0 | 0 | 0.17 | 2.87 | 6.6 | 2.41 | 0 | 0 | 0 | 0 | 0 | 0 | 12.05 |
| 86 | 0 | 0 | 0 | 0.38 | 2.6 | 4.78 | 1.38 | 0 | 0 | 0 | 0 | 0 | 0 | 9.15 |
| 87 | 0 | 0 | 0 | 0.49 | 1.5 | 5.08 | 3.12 | 0 | 0 | 0 | 0 | 0 | 0 | 10.18 |
| 88 | 0 | 0 | 0 | 0 | 1.92 | 4.18 | 4.68 | 0 | 0 | 0 | 0 | 0 | 0 | 10.77 |
| 89 | 0 | 0 | 0.11 | 1.2 | 4.12 | 5.59 | 0.72 | 0.01 | 0 | 0 | 0 | 0 | 0 | 11.74 |
| 90 | 0 | 0 | 0 | 0.15 | 2.09 | 6.07 | 2.46 | 0 | 0 | 0 | 0 | 0 | 0 | 10.77 |
| 91 | 0 | 0 | 0 | 0.3 | 1.73 | 4.37 | 5.15 | 0.11 | 0 | 0 | 0 | 0 | 0 | 11.66 |
| 92 | 0 | 0 | 0 | 1.02 | 0.9 | 5.13 | 2.16 | 0 | 0 | 0 | 0 | 0 | 0 | 9.21 |
| 93 | 0 | 0 | 0 | 0.5 | 1.62 | 5.73 | 5.45 | 0 | 0 | 0 | 0 | 0 | 0 | 13.29 |
| 94 | 0 | 0 | 0 | 0 | 1.79 | 6.07 | 3.83 | 0.1 | 0 | 0 | 0 | 0 | 0 | 11.79 |
| 95 | 0 | 0 | 0 | 0 | 1.07 | 4.76 | 6.09 | 0.51 | 0 | 0 | 0 | 0 | 0 | 12.42 |
| 96 | 0 | 0 | 0 | 0.29 | 3.13 | 5.88 | 3.66 | 0 | 0 | 0 | 0 | 0 | 0 | 12.96 |
| 97 | 0 | 0 | 0 | 0.06 | 1.47 | 3.94 | 4.37 | 0 | 0 | 0 | 0 | 0 | 0 | 9.83 |
| 98 | 0 | 0 | 0 | 0 | 1.59 | 5.02 | 3.36 | 0 | 0 | 0 | 0 | 0 | 0 | 9.96 |
| 99 | 0 | 0 | 0 | 0 | 0.77 | 5.02 | 4.03 | 0 | 0 | 0 | 0 | 0 | 0 | 9.82 |
| 0 | 0 | 0 | 0 | 0.98 | 3.58 | 5.92 | 3.92 | 0 | 0 | 0 | 0 | 0 | 0 | 14.4 |
| 1 | 0 | 0 | 0 | 0.49 | 2.87 | 6.16 | 3.18 | 0 | 0 | 0 | 0 | 0 | 0 | 12.7 |
| 2 | 0 | 0 | 0 | 0.79 | 3.4 | 6.79 | 2.48 | 0 | 0 | 0 | 0 | 0 | 0 | 13.45 |
| 3 | 0 | 0 | 0 | 0.34 | 2.06 | 6.08 | 6.23 | 0.01 | 0 | 0 | 0 | 0 | 0 | 14.73 |
| 4 | 0 | 0 | 0 | 0 | 3.3 | 5.72 | 3.48 | 0 | 0 | 0 | 0 | 0 | 0 | 12.49 |
| 5 | 0 | 0 | 0 | 0.06 | 2.49 | 5.47 | 5.31 | 0 | 0 | 0 | 0 | 0 | 0 | 13.33 |
| 6 | 0 | 0 | 0 | 0.86 | 3.53 | 6.18 | 1.27 | 0 | 0 | 0 | 0 | 0 | 0 | 11.85 |
| 7 | 0 | 0 | 0 | 0.08 | 0.61 | 5.36 | 5.46 | 0 | 0 | 0 | 0 | 0 | 0 | 11.52 |
| 8 | 0 | 0 | 0 | 0.25 | 0.67 | 5.57 | 3.67 | 0.47 | 0 | 0 | 0 | 0 | 0 | 10.63 |

| | | | | | | | | | | | | | |
|----|---|---|---|------|------|------|------|------|---|---|---|---|-------|
| AV | 0 | 0 | 0 | 0.34 | 2.03 | 5.51 | 4.09 | 0.16 | 0 | 0 | 0 | 0 | 12.13 |
|----|---|---|---|------|------|------|------|------|---|---|---|---|-------|

**MODIFIED B-C GROSS CONSUMPTIVE USE
El Morro Weather Station**

| Year | Crop Potential Evapotranspiration (inches) | | | | | | | | | | | | Total |
|------|--|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| | January | February | March | April | May | June | July | August | September | October | November | December | |
| 38 | 0 | 0 | 0 | 0 | 0.92 | 3.14 | 4.55 | 4.24 | 2.24 | 0.3 | 0 | 0 | 15.4 |
| 39 | 0 | 0 | 0 | 0.17 | 1.49 | 3.43 | 4.97 | 4.28 | 2.13 | 0 | 0 | 0 | 16.47 |
| 40 | 0 | 0 | 0 | 0.08 | 1.41 | 3.43 | 4.94 | 4.24 | 2.39 | 0.55 | 0 | 0 | 17.04 |
| 41 | 0 | 0 | 0 | 0 | 1.11 | 2.88 | 4.47 | 3.53 | 0.53 | 0 | 0 | 0 | 12.51 |
| 42 | 0 | 0 | 0 | 0.2 | 1.49 | 3.27 | 5.02 | 3.94 | 1.64 | 0 | 0 | 0 | 15.55 |
| 43 | 0 | 0 | 0 | 0.23 | 1.48 | 3.33 | 4.91 | 4.3 | 2.22 | 0.18 | 0 | 0 | 16.66 |
| 44 | 0 | 0 | 0 | 0 | 0.94 | 2.87 | 4.6 | 4.36 | 2.13 | 0.07 | 0 | 0 | 14.97 |
| 45 | 0 | 0 | 0 | 0 | 1.04 | 2.83 | 4.95 | 4.2 | 0.92 | 0 | 0 | 0 | 13.93 |
| 46 | 0 | 0 | 0 | 0.49 | 1.57 | 3.73 | 4.76 | 4.22 | 2.64 | 0.25 | 0 | 0 | 17.66 |
| 47 | 0 | 0 | 0 | 0.06 | 1.46 | 2.95 | 5.03 | 4.14 | 2.7 | 0.61 | 0 | 0 | 16.96 |
| 48 | 0 | 0 | 0 | 0.21 | 1.58 | 3.38 | 5.13 | 4.28 | 2.35 | 0.19 | 0 | 0 | 17.1 |
| 49 | 0 | 0 | 0 | 0 | 1.04 | 3 | 4.62 | 4.08 | 2.58 | 0.32 | 0 | 0 | 15.63 |
| 50 | 0 | 0 | 0 | 0.08 | 1.36 | 3.49 | 4.6 | 3.5 | 0.67 | 0 | 0 | 0 | 13.7 |
| 51 | 0 | 0 | 0 | 0 | 1.35 | 3.14 | 5.32 | 3.89 | 0.86 | 0 | 0 | 0 | 14.56 |
| 52 | 0 | 0 | 0 | 0.08 | 1.55 | 3.67 | 4.67 | 3.94 | 0.88 | 0 | 0 | 0 | 14.78 |
| 53 | 0 | 0 | 0 | 0 | 0.57 | 3.13 | 4.99 | 4.08 | 1.99 | 0 | 0 | 0 | 14.77 |
| 54 | 0 | 0 | 0 | 0.43 | 1.8 | 3.53 | 5.1 | 4.04 | 2.47 | 0.47 | 0 | 0 | 17.84 |
| 55 | 0 | 0 | 0 | 0 | 1.07 | 3.18 | 4.7 | 4.01 | 1.46 | 0 | 0 | 0 | 14.43 |
| 56 | 0 | 0 | 0 | 0 | 1.39 | 3.55 | 4.56 | 3.86 | 2.67 | 0.51 | 0 | 0 | 16.54 |
| 57 | 0 | 0 | 0 | 0 | 0.8 | 3.25 | 4.8 | 3.7 | 0.95 | 0 | 0 | 0 | 13.51 |
| 58 | 0 | 0 | 0 | 0.03 | 1.5 | 3.72 | 4.77 | 4.28 | 1.77 | 0 | 0 | 0 | 16.08 |
| 59 | 0 | 0 | 0 | 0.05 | 1.36 | 3.91 | 5.13 | 3.76 | 1.12 | 0 | 0 | 0 | 15.31 |
| 60 | 0 | 0 | 0 | 0 | 1.19 | 3.48 | 4.87 | 4.29 | 1.67 | 0 | 0 | 0 | 15.51 |
| 61 | 0 | 0 | 0 | 0 | 1.35 | 3.96 | 5 | 3.42 | 0.21 | 0 | 0 | 0 | 13.95 |
| 62 | 0 | 0 | 0 | 0.12 | 1.3 | 3.16 | 4.67 | 4.18 | 2.1 | 0.03 | 0 | 0 | 15.55 |
| 63 | 0 | 0 | 0 | 0.05 | 1.41 | 3 | 5.04 | 3.94 | 2.64 | 0.58 | 0 | 0 | 16.66 |
| 64 | 0 | 0 | 0 | 0 | 0.94 | 2.81 | 4.83 | 3.97 | 2.18 | 0.25 | 0 | 0 | 14.98 |
| 65 | 0 | 0 | 0 | 0 | 0.72 | 2.53 | 4.62 | 4.1 | 1.28 | 0 | 0 | 0 | 13.24 |
| 66 | 0 | 0 | 0 | 0.07 | 1.46 | 3.18 | 5 | 4.17 | 2.24 | 0.28 | 0 | 0 | 16.4 |
| 67 | 0 | 0 | 0 | 0 | 1.01 | 3.12 | 5.05 | 3.55 | 0.86 | 0 | 0 | 0 | 13.58 |
| 68 | 0 | 0 | 0 | 0 | 0.84 | 3.09 | 4.59 | 3.46 | 0.99 | 0 | 0 | 0 | 12.96 |
| 69 | 0 | 0 | 0 | 0.1 | 1.44 | 3.09 | 5.07 | 4.58 | 2.31 | 0.17 | 0 | 0 | 16.76 |
| 70 | 0 | 0 | 0 | 0 | 1.05 | 3.26 | 5.07 | 3.99 | 0.94 | 0 | 0 | 0 | 14.3 |
| 71 | 0 | 0 | 0 | 0 | 0.77 | 3.28 | 5.18 | 3.38 | 0.28 | 0 | 0 | 0 | 12.89 |
| 72 | 0 | 0 | 0 | 0 | 1.15 | 3.26 | 5.03 | 3.97 | 1.68 | 0 | 0 | 0 | 15.09 |
| 73 | 0 | 0 | 0 | 0 | 0.87 | 2.89 | 4.58 | 4.11 | 1.55 | 0 | 0 | 0 | 14 |
| 74 | 0 | 0 | 0 | 0.04 | 1.47 | 3.93 | 4.72 | 3.81 | 1.84 | 0 | 0 | 0 | 15.8 |
| 75 | 0 | 0 | 0 | 0 | 0.62 | 2.62 | 4.7 | 3.99 | 1.45 | 0 | 0 | 0 | 13.39 |
| 76 | 0 | 0 | 0 | 0.01 | 1.32 | 3.21 | 4.86 | 4.11 | 2.27 | 0.17 | 0 | 0 | 15.94 |
| 77 | 0 | 0 | 0 | 0 | 1.04 | 3.3 | 4.73 | 4.45 | 2.25 | 0.04 | 0 | 0 | 15.81 |
| 78 | 0 | 0 | 0 | 0 | 1.08 | 3.34 | 4.91 | 3.71 | 1.31 | 0 | 0 | 0 | 14.34 |
| 79 | 0 | 0 | 0 | 0 | 1.02 | 3.02 | 4.76 | 3.89 | 2.55 | 0.24 | 0 | 0 | 15.47 |
| 80 | 0 | 0 | 0 | 0 | 0.83 | 3.15 | 5.06 | 4.29 | 2.37 | 0.14 | 0 | 0 | 15.85 |
| 81 | 0 | 0 | 0 | 0.23 | 1.46 | 3.84 | 4.85 | 4.28 | 2.23 | 0.14 | 0 | 0 | 17.02 |
| 82 | 0 | 0 | 0 | 0 | 0.99 | 2.87 | 4.56 | 4.17 | 2.13 | 0 | 0 | 0 | 14.71 |
| 83 | 0 | 0 | 0 | 0 | 0.86 | 2.73 | 4.63 | 4.11 | 1.58 | 0 | 0 | 0 | 13.91 |
| 84 | 0 | 0 | 0 | 0.02 | 1.54 | 3.36 | 4.94 | 4.01 | 2.07 | 0 | 0 | 0 | 15.94 |
| 85 | 0 | 0 | 0 | 0.22 | 1.67 | 3.9 | 5.12 | 3.77 | 0.69 | 0 | 0 | 0 | 15.36 |
| 86 | 0 | 0 | 0 | 0.04 | 1.39 | 3.5 | 4.49 | 3.86 | 0.64 | 0 | 0 | 0 | 13.92 |
| 87 | 0 | 0 | 0 | 0 | 1.17 | 3.3 | 4.31 | 3.71 | 0.9 | 0 | 0 | 0 | 13.39 |
| 88 | 0 | 0 | 0 | 0 | 1.33 | 3.54 | 4.74 | 3.72 | 0.89 | 0 | 0 | 0 | 14.22 |
| 89 | 0 | 0 | 0 | 0.47 | 2.03 | 3.64 | 4.93 | 3.5 | 0.87 | 0 | 0 | 0 | 15.45 |
| 90 | 0 | 0 | 0 | 0.09 | 1.29 | 3.69 | 4.56 | 3.78 | 2.52 | 0.32 | 0 | 0 | 16.25 |
| 91 | 0 | 0 | 0 | 0 | 1.07 | 2.75 | 4.55 | 4.14 | 2.18 | 0.11 | 0 | 0 | 14.8 |
| 92 | 0 | 0 | 0 | 0.22 | 1.53 | 3.09 | 4.26 | 3.74 | 1.73 | 0 | 0 | 0 | 14.58 |
| 93 | 0 | 0 | 0 | 0 | 1.37 | 3.28 | 4.56 | 3.58 | 0.82 | 0 | 0 | 0 | 13.62 |
| 94 | 0 | 0 | 0 | 0.01 | 1.34 | 3.63 | 4.89 | 4.28 | 1.51 | 0 | 0 | 0 | 15.66 |
| 95 | 0 | 0 | 0 | 0 | 0.66 | 2.58 | 4.48 | 4.67 | 2.11 | 0 | 0 | 0 | 14.51 |
| 96 | 0 | 0 | 0 | 0.14 | 1.68 | 3.74 | 4.94 | 3.92 | 1.1 | 0 | 0 | 0 | 15.52 |
| 97 | 0 | 0 | 0 | 0 | 1.3 | 2.91 | 4.45 | 4.2 | 2.64 | 0.29 | 0 | 0 | 15.78 |
| 98 | 0 | 0 | 0 | 0 | 1 | 2.79 | 4.83 | 4.17 | 2.08 | 0 | 0 | 0 | 14.87 |
| 99 | 0 | 0 | 0 | 0 | 1.04 | 2.96 | 4.48 | 4.08 | 2.05 | 0 | 0 | 0 | 14.62 |
| 0 | 0 | 0 | 0 | 0.29 | 1.78 | 3.81 | 4.92 | 4.16 | 1.69 | 0 | 0 | 0 | 16.65 |
| 1 | 0 | 0 | 0 | 0.18 | 1.73 | 3.8 | 4.93 | 3.62 | 0.58 | 0 | 0 | 0 | 14.83 |
| 2 | 0 | 0 | 0 | 0.45 | 1.75 | 3.91 | 4.89 | 4.09 | 2.11 | 0.13 | 0 | 0 | 17.35 |
| 3 | 0 | 0 | 0 | 0.01 | 1.46 | 3.52 | 5.45 | 4.16 | 1.44 | 0 | 0 | 0 | 16.04 |
| 4 | 0 | 0 | 0 | 0.03 | 1.48 | 3.53 | 4.63 | 3.19 | 0.33 | 0 | 0 | 0 | 13.19 |
| 5 | 0 | 0 | 0 | 0.05 | 1.49 | 3.25 | 4.91 | 3.66 | 0.92 | 0 | 0 | 0 | 14.27 |
| 6 | 0 | 0 | 0 | 0.32 | 1.94 | 4.16 | 4.99 | 3.43 | 0.8 | 0 | 0 | 0 | 15.64 |
| 7 | 0 | 0 | 0 | 0 | 0.79 | 3.12 | 4.89 | 4.32 | 1.82 | 0 | 0 | 0 | 14.95 |
| 8 | 0 | 0 | 0 | 0 | 0.89 | 3.09 | 4.65 | 4.19 | 2.07 | 0.03 | 0 | 0 | 14.92 |
| AV | 0 | 0 | 0 | 0.07 | 1.26 | 3.29 | 4.81 | 3.98 | 1.65 | 0.09 | 0 | 0 | 15.15 |

EFFECTIVE PRECIPITATION, Inches

El Morro Weather Station

Small Vegetables/Misc. Crops

| YR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|----|-----|-----|-----|------|------|------|------|------|------|------|-----|-----|--------|
| 38 | 0 | 0 | 0 | 0 | 0.22 | 0.71 | 0.76 | 1.38 | 1.23 | 0 | 0 | 0 | 4.3 |
| 39 | 0 | 0 | 0 | 0.05 | 0 | 0 | 0.93 | 0.76 | 0.83 | 0 | 0 | 0 | 2.57 |
| 40 | 0 | 0 | 0 | 0 | 0.23 | 0.35 | 2.1 | 2.2 | 1.42 | 0.26 | 0 | 0 | 6.56 |
| 41 | 0 | 0 | 0 | 0 | 0.79 | 0.41 | 1.06 | 1.52 | 0.53 | 0 | 0 | 0 | 4.31 |
| 42 | 0 | 0 | 0 | 0.05 | 0 | 0 | 0.79 | 1.74 | 0.36 | 0 | 0 | 0 | 2.94 |
| 43 | 0 | 0 | 0 | 0.03 | 0.24 | 0.49 | 1.96 | 2.14 | 0.54 | 0.11 | 0 | 0 | 5.51 |
| 44 | 0 | 0 | 0 | 0 | 0.28 | 0.56 | 0.99 | 0.83 | 0.74 | 0 | 0 | 0 | 3.4 |
| 45 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 2.13 | 0.1 | 0 | 0 | 0 | 3.53 |
| 46 | 0 | 0 | 0 | 0 | 0.08 | 0.09 | 1.35 | 3.18 | 0.89 | 0 | 0 | 0 | 5.59 |
| 47 | 0 | 0 | 0 | 0 | 0.83 | 0.41 | 1.65 | 4.14 | 0.62 | 0.54 | 0 | 0 | 8.19 |
| 48 | 0 | 0 | 0 | 0 | 0.39 | 0.92 | 1.52 | 1.58 | 1.36 | 0.12 | 0 | 0 | 5.89 |
| 49 | 0 | 0 | 0 | 0 | 0 | 0.63 | 1.34 | 0.75 | 1.14 | 0.13 | 0 | 0 | 3.99 |
| 50 | 0 | 0 | 0 | 0 | 0 | 0 | 1.99 | 0.58 | 0.31 | 0 | 0 | 0 | 2.88 |
| 51 | 0 | 0 | 0 | 0 | 0.23 | 0 | 0.72 | 2.15 | 0.06 | 0 | 0 | 0 | 3.16 |
| 52 | 0 | 0 | 0 | 0.02 | 0.08 | 0.8 | 1.28 | 2.1 | 0.22 | 0 | 0 | 0 | 4.5 |
| 53 | 0 | 0 | 0 | 0 | 0.03 | 0.09 | 1.84 | 1.1 | 0 | 0 | 0 | 0 | 3.06 |
| 54 | 0 | 0 | 0 | 0 | 0.85 | 0.43 | 1.72 | 1.93 | 1.93 | 0.13 | 0 | 0 | 6.99 |
| 55 | 0 | 0 | 0 | 0 | 0.19 | 0.63 | 2.86 | 2.23 | 0 | 0 | 0 | 0 | 5.91 |
| 56 | 0 | 0 | 0 | 0 | 0.38 | 0.27 | 1.13 | 0.88 | 0 | 0.12 | 0 | 0 | 2.78 |
| 57 | 0 | 0 | 0 | 0 | 0.5 | 0.49 | 2.2 | 1.83 | 0 | 0 | 0 | 0 | 5.02 |
| 58 | 0 | 0 | 0 | 0 | 0 | 0.35 | 1 | 1.38 | 0.86 | 0 | 0 | 0 | 3.59 |
| 59 | 0 | 0 | 0 | 0 | 0 | 0.44 | 0.72 | 3.05 | 0 | 0 | 0 | 0 | 4.21 |
| 60 | 0 | 0 | 0 | 0 | 0.35 | 0.34 | 0.7 | 0.44 | 0.11 | 0 | 0 | 0 | 1.94 |
| 61 | 0 | 0 | 0 | 0 | 0.15 | 0.18 | 1.37 | 2.22 | 0 | 0 | 0 | 0 | 3.92 |
| 62 | 0 | 0 | 0 | 0 | 0 | 0.18 | 0.85 | 0.36 | 2.1 | 0 | 0 | 0 | 3.49 |
| 63 | 0 | 0 | 0 | 0 | 0 | 0 | 1.16 | 2.45 | 1.95 | 0.38 | 0 | 0 | 5.94 |
| 64 | 0 | 0 | 0 | 0 | 0.04 | 0.09 | 1.5 | 2.63 | 1.23 | 0 | 0 | 0 | 5.49 |
| 65 | 0 | 0 | 0 | 0 | 0.31 | 0.95 | 2.49 | 1.1 | 0.3 | 0 | 0 | 0 | 5.15 |
| 66 | 0 | 0 | 0 | 0 | 0.08 | 0.5 | 1.44 | 1.51 | 1.3 | 0 | 0 | 0 | 4.83 |
| 67 | 0 | 0 | 0 | 0 | 0.05 | 1.05 | 2.79 | 1.7 | 0.17 | 0 | 0 | 0 | 5.76 |
| 68 | 0 | 0 | 0 | 0 | 0.2 | 0 | 1.61 | 1.26 | 0 | 0 | 0 | 0 | 3.07 |
| 69 | 0 | 0 | 0 | 0 | 0.77 | 0 | 1.79 | 2.49 | 0.74 | 0.14 | 0 | 0 | 5.93 |
| 70 | 0 | 0 | 0 | 0 | 0.18 | 0.57 | 0.87 | 1.74 | 0.23 | 0 | 0 | 0 | 3.59 |
| 71 | 0 | 0 | 0 | 0 | 0 | 0 | 1.31 | 2.82 | 0.19 | 0 | 0 | 0 | 4.32 |
| 72 | 0 | 0 | 0 | 0 | 0.14 | 0.86 | 1.16 | 2.57 | 0.68 | 0 | 0 | 0 | 5.41 |
| 73 | 0 | 0 | 0 | 0 | 0.45 | 0.25 | 1.14 | 1.37 | 0.46 | 0 | 0 | 0 | 3.67 |
| 74 | 0 | 0 | 0 | 0 | 0 | 0 | 0.93 | 2.38 | 0.56 | 0 | 0 | 0 | 3.87 |
| 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0.99 | 1.3 | 1.45 | 0 | 0 | 0 | 3.74 |
| 76 | 0 | 0 | 0 | 0 | 0.71 | 0.18 | 1.43 | 1.37 | 0.68 | 0.05 | 0 | 0 | 4.42 |
| 77 | 0 | 0 | 0 | 0 | 0.32 | 0.26 | 2.57 | 1.91 | 1.63 | 0 | 0 | 0 | 6.69 |
| 78 | 0 | 0 | 0 | 0 | 0.85 | 0.18 | 0.78 | 0.66 | 0.02 | 0 | 0 | 0 | 2.49 |
| 79 | 0 | 0 | 0 | 0 | 1.02 | 0.42 | 0.85 | 2.04 | 0 | 0.05 | 0 | 0 | 4.38 |
| 80 | 0 | 0 | 0 | 0 | 0.14 | 0 | 0.29 | 1.11 | 1.82 | 0 | 0 | 0 | 3.36 |
| 81 | 0 | 0 | 0 | 0.23 | 0.24 | 0.95 | 1.83 | 1.04 | 1.23 | 0 | 0 | 0 | 5.52 |
| 82 | 0 | 0 | 0 | 0 | 0.47 | 0 | 1.61 | 2.43 | 1.07 | 0 | 0 | 0 | 5.58 |
| 83 | 0 | 0 | 0 | 0 | 0.36 | 0.25 | 1.47 | 1.81 | 1.58 | 0 | 0 | 0 | 5.47 |
| 84 | 0 | 0 | 0 | 0 | 0.08 | 0.43 | 1.57 | 2.75 | 2.07 | 0 | 0 | 0 | 6.9 |
| 85 | 0 | 0 | 0 | 0.2 | 0.38 | 0 | 2.25 | 1.15 | 0.34 | 0 | 0 | 0 | 4.32 |
| 86 | 0 | 0 | 0 | 0 | 0.51 | 1.13 | 2.59 | 1.35 | 0.23 | 0 | 0 | 0 | 5.81 |
| 87 | 0 | 0 | 0 | 0 | 0.83 | 0.85 | 1.58 | 2.42 | 0.04 | 0 | 0 | 0 | 5.72 |
| 88 | 0 | 0 | 0 | 0 | 0.3 | 1.82 | 1.07 | 2.2 | 0.03 | 0 | 0 | 0 | 5.42 |
| 89 | 0 | 0 | 0 | 0 | 0 | 0 | 2.22 | 1.13 | 0.4 | 0 | 0 | 0 | 3.75 |
| 90 | 0 | 0 | 0 | 0.04 | 0.88 | 0.66 | 1.61 | 1.22 | 1.49 | 0.12 | 0 | 0 | 6.02 |
| 91 | 0 | 0 | 0 | 0 | 0 | 0.62 | 0.91 | 1.63 | 0.99 | 0 | 0 | 0 | 4.15 |
| 92 | 0 | 0 | 0 | 0 | 1.53 | 0.26 | 1.31 | 2.02 | 0.32 | 0 | 0 | 0 | 5.44 |
| 93 | 0 | 0 | 0 | 0 | 0.7 | 0.09 | 0 | 3.58 | 0.06 | 0 | 0 | 0 | 4.43 |
| 94 | 0 | 0 | 0 | 0 | 1 | 0.5 | 1.22 | 1.04 | 0.88 | 0 | 0 | 0 | 4.64 |
| 95 | 0 | 0 | 0 | 0 | 0.15 | 0.08 | 0.45 | 2 | 1.34 | 0 | 0 | 0 | 4.02 |
| 96 | 0 | 0 | 0 | 0.04 | 0 | 0.66 | 1.57 | 2.04 | 1.1 | 0 | 0 | 0 | 5.41 |
| 97 | 0 | 0 | 0 | 0 | 0.29 | 1.16 | 1.6 | 2.08 | 1.44 | 0.12 | 0 | 0 | 6.69 |
| 98 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2.07 | 0.27 | 0 | 0 | 0 | 5.34 |
| 99 | 0 | 0 | 0 | 0 | 0.69 | 0.34 | 1.91 | 2.53 | 0.46 | 0 | 0 | 0 | 5.93 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0.59 | 0.37 | 1.82 | 0.47 | 0 | 0 | 0 | 3.25 |
| 1 | 0 | 0 | 0 | 0.04 | 0.53 | 0.27 | 1.43 | 2.07 | 0.2 | 0 | 0 | 0 | 4.54 |
| 2 | 0 | 0 | 0 | 0.12 | 0 | 0 | 1.7 | 1.17 | 2.11 | 0.11 | 0 | 0 | 5.21 |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0.81 | 1.82 | 0.35 | 0 | 0 | 0 | 2.98 |
| 4 | 0 | 0 | 0 | 0 | 0 | 0.35 | 0.84 | 1.55 | 0.09 | 0 | 0 | 0 | 2.83 |
| 5 | 0 | 0 | 0 | 0 | 0.08 | 0.26 | 0.37 | 1.47 | 0.38 | 0 | 0 | 0 | 2.56 |
| 6 | 0 | 0 | 0 | 0 | 0.08 | 0.75 | 3.44 | 2.99 | 0.27 | 0 | 0 | 0 | 7.53 |
| 7 | 0 | 0 | 0 | 0 | 0.55 | 0.34 | 1.29 | 2.91 | 0.32 | 0 | 0 | 0 | 5.41 |
| 8 | 0 | 0 | 0 | 0 | 0.61 | 0.17 | 2.56 | 1.37 | 0.47 | 0 | 0 | 0 | 5.18 |

MODIFIED B-C CONSUMPTIVE USE OF IRRIGATION WATER

**El Morro Weather Station
Small Vegetables/Misc. Crops**

| Year | Crop Irrigation Requirement (inches) | | | | | | | | | | | | Total |
|------|--------------------------------------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| | January | February | March | April | May | June | July | August | September | October | November | December | |
| 38 | 0 | 0 | 0 | 0 | 0.7 | 2.43 | 3.79 | 2.86 | 1.01 | 0.3 | 0 | 0 | 11.08 |
| 39 | 0 | 0 | 0 | 0.12 | 1.49 | 3.43 | 4.04 | 3.52 | 1.3 | 0 | 0 | 0 | 13.9 |
| 40 | 0 | 0 | 0 | 0.08 | 1.18 | 3.08 | 2.84 | 2.04 | 0.97 | 0.29 | 0 | 0 | 10.48 |
| 41 | 0 | 0 | 0 | 0 | 0.32 | 2.47 | 3.41 | 2.01 | 0 | 0 | 0 | 0 | 8.22 |
| 42 | 0 | 0 | 0 | 0.15 | 1.49 | 3.27 | 4.23 | 2.2 | 1.28 | 0 | 0 | 0 | 12.62 |
| 43 | 0 | 0 | 0 | 0.2 | 1.24 | 2.84 | 2.95 | 2.16 | 1.68 | 0.07 | 0 | 0 | 11.15 |
| 44 | 0 | 0 | 0 | 0 | 0.66 | 2.31 | 3.61 | 3.53 | 1.39 | 0.07 | 0 | 0 | 11.57 |
| 45 | 0 | 0 | 0 | 0 | 1.04 | 2.83 | 3.65 | 2.07 | 0.82 | 0 | 0 | 0 | 10.4 |
| 46 | 0 | 0 | 0 | 0.49 | 1.49 | 3.64 | 3.41 | 1.04 | 1.75 | 0.25 | 0 | 0 | 12.07 |
| 47 | 0 | 0 | 0 | 0.06 | 0.63 | 2.54 | 3.38 | 0 | 2.08 | 0.07 | 0 | 0 | 8.76 |
| 48 | 0 | 0 | 0 | 0.21 | 1.19 | 2.46 | 3.61 | 2.7 | 0.99 | 0.07 | 0 | 0 | 11.22 |
| 49 | 0 | 0 | 0 | 0 | 1.04 | 2.37 | 3.28 | 3.33 | 1.44 | 0.19 | 0 | 0 | 11.66 |
| 50 | 0 | 0 | 0 | 0.08 | 1.36 | 3.49 | 2.61 | 2.92 | 0.36 | 0 | 0 | 0 | 10.82 |
| 51 | 0 | 0 | 0 | 0 | 1.12 | 3.14 | 4.6 | 1.74 | 0.8 | 0 | 0 | 0 | 11.4 |
| 52 | 0 | 0 | 0 | 0.06 | 1.47 | 2.87 | 3.39 | 1.84 | 0.66 | 0 | 0 | 0 | 10.28 |
| 53 | 0 | 0 | 0 | 0 | 0.54 | 3.04 | 3.15 | 2.98 | 1.99 | 0 | 0 | 0 | 11.7 |
| 54 | 0 | 0 | 0 | 0.43 | 0.95 | 3.1 | 3.38 | 2.11 | 0.54 | 0.34 | 0 | 0 | 10.85 |
| 55 | 0 | 0 | 0 | 0 | 0.88 | 2.55 | 1.84 | 1.78 | 1.46 | 0 | 0 | 0 | 8.51 |
| 56 | 0 | 0 | 0 | 0 | 1.01 | 3.28 | 3.43 | 2.98 | 2.67 | 0.39 | 0 | 0 | 13.77 |
| 57 | 0 | 0 | 0 | 0 | 0.3 | 2.76 | 2.6 | 1.87 | 0.95 | 0 | 0 | 0 | 8.47 |
| 58 | 0 | 0 | 0 | 0.03 | 1.5 | 3.37 | 3.77 | 2.9 | 0.91 | 0 | 0 | 0 | 12.48 |
| 59 | 0 | 0 | 0 | 0.05 | 1.36 | 3.47 | 4.41 | 0.71 | 1.12 | 0 | 0 | 0 | 11.12 |
| 60 | 0 | 0 | 0 | 0 | 0.84 | 3.14 | 4.17 | 3.85 | 1.56 | 0 | 0 | 0 | 13.56 |
| 61 | 0 | 0 | 0 | 0 | 1.2 | 3.78 | 3.63 | 1.2 | 0.21 | 0 | 0 | 0 | 10.03 |
| 62 | 0 | 0 | 0 | 0.12 | 1.3 | 2.98 | 3.82 | 3.82 | 0 | 0.03 | 0 | 0 | 12.07 |
| 63 | 0 | 0 | 0 | 0.05 | 1.41 | 3 | 3.88 | 1.49 | 0.69 | 0.2 | 0 | 0 | 10.71 |
| 64 | 0 | 0 | 0 | 0 | 0.9 | 2.72 | 3.33 | 1.34 | 0.95 | 0.25 | 0 | 0 | 9.5 |
| 65 | 0 | 0 | 0 | 0 | 0.41 | 1.58 | 2.13 | 3 | 0.98 | 0 | 0 | 0 | 8.09 |
| 66 | 0 | 0 | 0 | 0.07 | 1.38 | 2.68 | 3.56 | 2.66 | 0.94 | 0.28 | 0 | 0 | 11.59 |
| 67 | 0 | 0 | 0 | 0 | 0.96 | 2.07 | 2.26 | 1.85 | 0.69 | 0 | 0 | 0 | 7.82 |
| 68 | 0 | 0 | 0 | 0 | 0.64 | 3.09 | 2.98 | 2.2 | 0.99 | 0 | 0 | 0 | 9.9 |
| 69 | 0 | 0 | 0 | 0.1 | 0.67 | 3.09 | 3.28 | 2.09 | 1.57 | 0.03 | 0 | 0 | 10.84 |
| 70 | 0 | 0 | 0 | 0 | 0.87 | 2.69 | 4.2 | 2.25 | 0.71 | 0 | 0 | 0 | 10.72 |
| 71 | 0 | 0 | 0 | 0 | 0.77 | 3.28 | 3.87 | 0.56 | 0.09 | 0 | 0 | 0 | 8.57 |
| 72 | 0 | 0 | 0 | 0 | 1.01 | 2.4 | 3.87 | 1.4 | 1 | 0 | 0 | 0 | 9.69 |
| 73 | 0 | 0 | 0 | 0 | 0.42 | 2.64 | 3.44 | 2.74 | 1.09 | 0 | 0 | 0 | 10.33 |
| 74 | 0 | 0 | 0 | 0.04 | 1.47 | 3.93 | 3.79 | 1.43 | 1.28 | 0 | 0 | 0 | 11.95 |
| 75 | 0 | 0 | 0 | 0 | 0.62 | 2.62 | 3.71 | 2.69 | 0 | 0 | 0 | 0 | 9.64 |
| 76 | 0 | 0 | 0 | 0.01 | 0.61 | 3.03 | 3.43 | 2.74 | 1.59 | 0.12 | 0 | 0 | 11.55 |
| 77 | 0 | 0 | 0 | 0 | 0.72 | 3.04 | 2.16 | 2.54 | 0.62 | 0.04 | 0 | 0 | 9.11 |
| 78 | 0 | 0 | 0 | 0 | 0.23 | 3.16 | 4.13 | 3.05 | 1.29 | 0 | 0 | 0 | 11.86 |
| 79 | 0 | 0 | 0 | 0 | 0 | 2.6 | 3.91 | 1.85 | 2.55 | 0.19 | 0 | 0 | 11.1 |
| 80 | 0 | 0 | 0 | 0 | 0.69 | 3.15 | 4.77 | 3.18 | 0.55 | 0.14 | 0 | 0 | 12.49 |
| 81 | 0 | 0 | 0 | 0 | 1.22 | 2.89 | 3.02 | 3.24 | 1 | 0.14 | 0 | 0 | 11.51 |
| 82 | 0 | 0 | 0 | 0 | 0.52 | 2.87 | 2.95 | 1.74 | 1.06 | 0 | 0 | 0 | 9.13 |
| 83 | 0 | 0 | 0 | 0 | 0.5 | 2.48 | 3.16 | 2.3 | 0 | 0 | 0 | 0 | 8.44 |
| 84 | 0 | 0 | 0 | 0.02 | 1.46 | 2.93 | 3.37 | 1.26 | 0 | 0 | 0 | 0 | 9.04 |
| 85 | 0 | 0 | 0 | 0.02 | 1.29 | 3.9 | 2.87 | 2.62 | 0.35 | 0 | 0 | 0 | 11.05 |
| 86 | 0 | 0 | 0 | 0.04 | 0.88 | 2.37 | 1.9 | 2.51 | 0.41 | 0 | 0 | 0 | 8.1 |
| 87 | 0 | 0 | 0 | 0 | 0.34 | 2.45 | 2.73 | 1.29 | 0.86 | 0 | 0 | 0 | 7.67 |
| 88 | 0 | 0 | 0 | 0 | 1.03 | 1.72 | 3.67 | 1.52 | 0.86 | 0 | 0 | 0 | 8.8 |
| 89 | 0 | 0 | 0 | 0.47 | 2.03 | 3.64 | 2.71 | 2.37 | 0.47 | 0 | 0 | 0 | 11.69 |
| 90 | 0 | 0 | 0 | 0.05 | 0.41 | 3.03 | 2.95 | 2.56 | 1.03 | 0.2 | 0 | 0 | 10.23 |
| 91 | 0 | 0 | 0 | 0 | 1.07 | 2.13 | 3.64 | 2.51 | 1.19 | 0.11 | 0 | 0 | 10.64 |
| 92 | 0 | 0 | 0 | 0.22 | 0 | 2.83 | 2.95 | 1.72 | 1.41 | 0 | 0 | 0 | 9.13 |
| 93 | 0 | 0 | 0 | 0 | 0.67 | 3.19 | 4.56 | 0 | 0.76 | 0 | 0 | 0 | 9.19 |
| 94 | 0 | 0 | 0 | 0.01 | 0.34 | 3.13 | 3.67 | 3.24 | 0.63 | 0 | 0 | 0 | 11.01 |
| 95 | 0 | 0 | 0 | 0 | 0.51 | 2.5 | 4.03 | 2.67 | 0.77 | 0 | 0 | 0 | 10.48 |
| 96 | 0 | 0 | 0 | 0.1 | 1.68 | 3.08 | 3.37 | 1.88 | 0 | 0 | 0 | 0 | 10.11 |
| 97 | 0 | 0 | 0 | 0 | 1.01 | 1.75 | 2.85 | 2.12 | 1.2 | 0.17 | 0 | 0 | 9.11 |
| 98 | 0 | 0 | 0 | 0 | 1 | 2.79 | 1.83 | 2.1 | 1.81 | 0 | 0 | 0 | 9.53 |
| 99 | 0 | 0 | 0 | 0 | 0.35 | 2.62 | 2.57 | 1.55 | 1.59 | 0 | 0 | 0 | 8.68 |
| 0 | 0 | 0 | 0 | 0.29 | 1.78 | 3.22 | 4.55 | 2.34 | 1.22 | 0 | 0 | 0 | 13.4 |
| 1 | 0 | 0 | 0 | 0.14 | 1.2 | 3.53 | 3.5 | 1.55 | 0.38 | 0 | 0 | 0 | 10.31 |
| 2 | 0 | 0 | 0 | 0.33 | 1.75 | 3.91 | 3.19 | 2.92 | 0 | 0.02 | 0 | 0 | 12.13 |
| 3 | 0 | 0 | 0 | 0.01 | 1.46 | 3.52 | 4.64 | 2.34 | 1.09 | 0 | 0 | 0 | 13.06 |
| 4 | 0 | 0 | 0 | 0.03 | 1.48 | 3.18 | 3.79 | 1.64 | 0.24 | 0 | 0 | 0 | 10.36 |
| 5 | 0 | 0 | 0 | 0.05 | 1.41 | 2.99 | 4.54 | 2.19 | 0.54 | 0 | 0 | 0 | 11.72 |
| 6 | 0 | 0 | 0 | 0.32 | 1.86 | 3.41 | 1.55 | 0.44 | 0.53 | 0 | 0 | 0 | 8.11 |
| 7 | 0 | 0 | 0 | 0 | 0.24 | 2.78 | 3.6 | 1.41 | 1.5 | 0 | 0 | 0 | 9.54 |
| 8 | 0 | 0 | 0 | 0 | 0.28 | 2.92 | 2.09 | 2.82 | 1.6 | 0.03 | 0 | 0 | 9.74 |

| | | | | | | | | | | | | | |
|----|---|---|---|------|------|------|------|------|------|------|---|---|------|
| AV | 0 | 0 | 0 | 0.06 | 0.96 | 2.92 | 3.38 | 2.17 | 0.96 | 0.06 | 0 | 0 | 10.5 |
|----|---|---|---|------|------|------|------|------|------|------|---|---|------|

**MODIFIED B-C GROSS CONSUMPTIVE USE
McGaffey Weather Station**

Alfalfa

| Year | Crop Potential Evapotranspiration (inches) | | | | | | | | | | | | Total |
|------|--|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| | January | February | March | April | May | June | July | August | September | October | November | December | |
| 49 | 0 | 0 | 0 | 0 | 0.92 | 4.27 | 5.5 | 4.62 | 3.31 | 0.07 | 0 | 0 | 18.69 |
| 50 | 0 | 0 | 0 | 0 | 0.72 | 4.57 | 5.46 | 4.46 | 1.12 | 0 | 0 | 0 | 16.33 |
| 51 | 0 | 0 | 0 | 0 | 1.52 | 4.22 | 6.14 | 4.73 | 1.35 | 0 | 0 | 0 | 17.96 |
| 52 | 0 | 0 | 0 | 0 | 1.65 | 4.72 | 5.61 | 4.88 | 1.54 | 0 | 0 | 0 | 18.4 |
| 53 | 0 | 0 | 0 | 0 | 0.5 | 4.74 | 5.69 | 4.46 | 1.58 | 0 | 0 | 0 | 16.97 |
| 54 | 0 | 0 | 0 | 0 | 2.95 | 4.68 | 5.54 | 4.44 | 2.9 | 0.75 | 0 | 0 | 21.27 |
| 55 | 0 | 0 | 0 | 0 | 2.46 | 4.68 | 5.09 | 4.79 | 2.41 | 0 | 0 | 0 | 19.44 |
| 56 | 0 | 0 | 0 | 0 | 2.33 | 5.08 | 5.38 | 4.62 | 3.08 | 0.91 | 0 | 0 | 21.39 |
| 57 | 0 | 0 | 0 | 0 | 0.69 | 4.38 | 5.61 | 0.8 | 0 | 0 | 0 | 0 | 11.47 |
| 58 | 0 | 0 | 0 | 0 | 2.67 | 5 | 5.75 | 5.03 | 2.95 | 0.35 | 0 | 0 | 21.76 |
| 59 | 0 | 0 | 0 | 0 | 1.69 | 5.06 | 5.97 | 4.52 | 2.64 | 0 | 0 | 0 | 19.87 |
| 60 | 0 | 0 | 0 | 0 | 1.33 | 4.61 | 5.86 | 5.32 | 3.27 | 0 | 0 | 0 | 20.39 |
| 61 | 0 | 0 | 0 | 0 | 2.02 | 5.06 | 5.88 | 4.92 | 0.48 | 0 | 0 | 0 | 18.36 |
| 62 | 0 | 0 | 0 | 0 | 1.26 | 4.48 | 5.44 | 4.75 | 3.16 | 0.37 | 0 | 0 | 19.46 |
| 63 | 0 | 0 | 0 | 0 | 2.63 | 4.42 | 5.93 | 4.55 | 3.34 | 1.09 | 0 | 0 | 21.96 |
| 64 | 0 | 0 | 0 | 0 | 1.69 | 4.25 | 5.63 | 4.43 | 2.84 | 0.55 | 0 | 0 | 19.39 |
| 65 | 0 | 0 | 0 | 0 | 3.04 | 5.15 | 4.39 | 1.97 | 0 | 0 | 0 | 0 | 14.55 |
| 66 | 0 | 0 | 0 | 0 | 2.46 | 4.51 | 5.99 | 4.96 | 2.99 | 0.57 | 0 | 0 | 21.48 |
| 67 | 0 | 0 | 0 | 0 | 0.71 | 3.96 | 5.75 | 4.48 | 1.49 | 0 | 0 | 0 | 16.4 |
| 68 | 0 | 0 | 0 | 0 | 0.99 | 4.68 | 5.19 | 3.86 | 1.68 | 0 | 0 | 0 | 16.41 |
| 69 | 0 | 0 | 0 | 0 | 1.07 | 4.44 | 5.82 | 4.99 | 2.84 | 0.28 | 0 | 0 | 19.44 |
| 70 | 0 | 0 | 0 | 0 | 1.17 | 4.31 | 5.69 | 4.81 | 2.27 | 0 | 0 | 0 | 18.25 |
| 71 | 0 | 0 | 0 | 0 | 0.5 | 4.25 | 5.8 | 4.52 | 1.89 | 0 | 0 | 0 | 16.95 |
| 72 | 0 | 0 | 0 | 0 | 0.88 | 4.14 | 5.73 | 4.5 | 2.01 | 0 | 0 | 0 | 17.26 |
| 73 | 0 | 0 | 0 | 0 | 0.92 | 4.33 | 5.3 | 4.59 | 2.3 | 0 | 0 | 0 | 17.43 |
| 74 | 0 | 0 | 0 | 0 | 2.16 | 5.28 | 5.28 | 4.3 | 2.7 | 0 | 0 | 0 | 19.72 |
| 75 | 0 | 0 | 0 | 0 | 0.26 | 4 | 5.15 | 4.41 | 2.29 | 0 | 0 | 0 | 16.12 |
| 76 | 0 | 0 | 0 | 0 | 1.22 | 4.34 | 5.28 | 4.32 | 2.84 | 0.29 | 0 | 0 | 18.29 |
| 77 | 0 | 0 | 0 | 0 | 0.86 | 4.78 | 5.44 | 4.84 | 3.2 | 0.08 | 0 | 0 | 19.2 |
| 78 | 0 | 0 | 0 | 0 | 0.78 | 4.63 | 5.73 | 4.36 | 2.09 | 0 | 0 | 0 | 17.58 |
| 79 | 0 | 0 | 0 | 0 | 0.73 | 4.2 | 5.42 | 4.29 | 3.31 | 1.01 | 0 | 0 | 18.95 |
| 80 | 0 | 0 | 0 | 0 | 0.67 | 4.7 | 5.84 | 4.71 | 2.34 | 0 | 0 | 0 | 18.26 |
| 81 | 0 | 0 | 0 | 0 | 1.45 | 4.98 | 5.44 | 4.48 | 2.92 | 0.31 | 0 | 0 | 19.57 |
| 82 | 0 | 0 | 0 | 0 | 0.53 | 4 | 5.17 | 4.64 | 2.92 | 0 | 0 | 0 | 17.26 |
| 83 | 0 | 0 | 0 | 0 | 0.27 | 3.98 | 5.4 | 4.62 | 2.43 | 0 | 0 | 0 | 16.7 |
| 84 | 0 | 0 | 0 | 0 | 2.6 | 4.36 | 5.52 | 4.43 | 3.06 | 0 | 0 | 0 | 19.98 |
| 85 | 0 | 0 | 0 | 0 | 1.44 | 4.67 | 5.52 | 4.68 | 1.16 | 0 | 0 | 0 | 17.46 |
| 86 | 0 | 0 | 0 | 0 | 0.49 | 4.27 | 4.92 | 4.62 | 1.12 | 0 | 0 | 0 | 15.43 |
| 87 | 0 | 0 | 0 | 0 | 0.85 | 4.4 | 4.92 | 4.06 | 2.71 | 0.97 | 0 | 0 | 17.91 |
| 88 | 0 | 0 | 0 | 0 | 0.78 | 4.44 | 5.26 | 4.59 | 1.89 | 0 | 0 | 0 | 16.95 |
| 89 | 0 | 0 | 0 | 0 | 1.98 | 4.36 | 5.84 | 4.43 | 1.12 | 0 | 0 | 0 | 17.73 |
| 90 | 0 | 0 | 0 | 0 | 1 | 5.16 | 5.07 | 4.06 | 3.12 | 0.5 | 0 | 0 | 18.91 |
| 91 | 0 | 0 | 0 | 0 | 0.72 | 3.89 | 5.28 | 4.55 | 1.75 | 0 | 0 | 0 | 16.2 |
| 92 | 0 | 0 | 0 | 0 | 1.63 | 3.98 | 5.03 | 4.39 | 2.77 | 0 | 0 | 0 | 17.81 |
| 93 | 0 | 0 | 0 | 0 | 1.48 | 4.2 | 5.34 | 4.53 | 1.93 | 0 | 0 | 0 | 17.48 |
| 94 | 0 | 0 | 0 | 0 | 1.38 | 5.24 | 5.73 | 5.05 | 2.43 | 0 | 0 | 0 | 19.82 |
| 95 | 0 | 0 | 0 | 0 | 0.06 | 3.84 | 5.13 | 5.11 | 3.06 | 0 | 0 | 0 | 17.21 |
| 96 | 0 | 0 | 0 | 0 | 2.96 | 5.12 | 5.9 | 4.84 | 1.84 | 0 | 0 | 0 | 20.67 |
| 97 | 0 | 0 | 0 | 0 | 1.98 | 4.09 | 5.24 | 4.44 | 3.34 | 0.52 | 0 | 0 | 19.6 |
| 98 | 0 | 0 | 0 | 0 | 0.67 | 3.86 | 5.63 | 4.79 | 3.17 | 0 | 0 | 0 | 18.11 |
| 99 | 0 | 0 | 0 | 0 | 0.88 | 4.2 | 5.24 | 4.52 | 2.8 | 0 | 0 | 0 | 17.63 |
| 0 | 0 | 0 | 0 | 0 | 3.47 | 4.92 | 5.4 | 4.99 | 2.91 | 0 | 0 | 0 | 21.69 |
| 1 | 0 | 0 | 0 | 0 | 2.41 | 4.8 | 5.78 | 4.53 | 1.12 | 0 | 0 | 0 | 18.64 |
| 2 | 0 | 0 | 0 | 0 | 1.69 | 5.28 | 5.9 | 4.84 | 2.21 | 0 | 0 | 0 | 19.93 |
| 3 | 0 | 0 | 0 | 0 | 1.74 | 4.68 | 6.57 | 5.05 | 2.18 | 0 | 0 | 0 | 20.22 |
| 4 | 0 | 0 | 0 | 0 | 1.89 | 4.55 | 5.28 | 4.41 | 2.25 | 0 | 0 | 0 | 18.38 |
| 5 | 0 | 0 | 0 | 0 | 0.88 | 3.6 | 6.06 | 4.55 | 1.7 | 0 | 0 | 0 | 16.79 |
| 6 | 0 | 0 | 0 | 0 | 3.09 | 5.38 | 5.61 | 4.3 | 1.64 | 0 | 0 | 0 | 20.02 |
| 7 | 0 | 0 | 0 | 0 | 1.77 | 5.2 | 6.23 | 5.03 | 2.92 | 0 | 0 | 0 | 21.15 |
| 8 | 0 | 0 | 0 | 0 | 1.19 | 4.78 | 5.71 | 5.18 | 3.23 | 0.51 | 0 | 0 | 20.6 |
| AV | 0 | 0 | 0 | 0 | 1.4 | 4.5 | 5.55 | 4.56 | 2.33 | 0.15 | 0 | 0 | 18.49 |

EFFECTIVE PRECIPITATION, Inches

McGaffey Weather Station

| YR | Alfalfa | | | | | | | | | | | | ANNUAL |
|----|---------|------|------|------|------|------|------|------|------|------|------|------|--------|
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| 49 | 0 | 0 | 0 | 0 | 0.13 | 1.51 | 3.42 | 2.24 | 0.99 | 0 | 0 | 0 | 8.29 |
| 50 | 0 | 0 | 0 | 0 | 0 | 0.28 | 1.76 | 0.45 | 0.32 | 0 | 0 | 0 | 2.81 |
| 51 | 0 | 0 | 0 | 0 | 0.11 | 0 | 0.92 | 1.48 | 0.18 | 0 | 0 | 0 | 2.69 |
| 52 | 0 | 0 | 0 | 0 | 0 | 1.35 | 2.7 | 1.57 | 0.23 | 0 | 0 | 0 | 5.85 |
| 53 | 0 | 0 | 0 | 0 | 0 | 0.19 | 2.58 | 1.05 | 0 | 0 | 0 | 0 | 3.82 |
| 54 | 0 | 0 | 0 | 0 | 0.75 | 0 | 1.41 | 1.85 | 1.22 | 0.53 | 0 | 0 | 5.76 |
| 55 | 0 | 0 | 0 | 0 | 0.21 | 0.53 | 2.43 | 2.14 | 0 | 0 | 0 | 0 | 5.31 |
| 56 | 0 | 0 | 0 | 0 | 0.19 | 0 | 1.75 | 2.06 | 0 | 0.48 | 0 | 0 | 4.48 |
| 57 | 0 | 0 | 0 | 0 | 0.09 | 0.45 | 2.76 | 0.41 | 0 | 0 | 0 | 0 | 3.71 |
| 58 | 0 | 0 | 0 | 0 | 0.11 | 1.01 | 1.28 | 2.85 | 2.64 | 0.1 | 0 | 0 | 7.99 |
| 59 | 0 | 0 | 0 | 0 | 0 | 1.02 | 1.15 | 2.18 | 0.2 | 0 | 0 | 0 | 4.55 |
| 60 | 0 | 0 | 0 | 0 | 0.18 | 0.62 | 0.48 | 0.3 | 0.86 | 0 | 0 | 0 | 2.44 |
| 61 | 0 | 0 | 0 | 0 | 0 | 0 | 2.21 | 2.66 | 0.01 | 0 | 0 | 0 | 4.88 |
| 62 | 0 | 0 | 0 | 0 | 0 | 0 | 1.04 | 0.92 | 2.24 | 0.32 | 0 | 0 | 4.52 |
| 63 | 0 | 0 | 0 | 0 | 0 | 0 | 1.22 | 3.18 | 1.5 | 0.46 | 0 | 0 | 6.36 |
| 64 | 0 | 0 | 0 | 0 | 0.04 | 0 | 1.91 | 2.82 | 0.97 | 0 | 0 | 0 | 5.74 |
| 65 | 0 | 0 | 0 | 0 | 0 | 0.97 | 2.69 | 1.78 | 0.56 | 0 | 0 | 0 | 6 |
| 66 | 0 | 0 | 0 | 0 | 0.03 | 0.36 | 1.67 | 1.37 | 1.64 | 0 | 0 | 0 | 5.07 |
| 67 | 0 | 0 | 0 | 0 | 0 | 1.74 | 2.84 | 2.47 | 0.75 | 0 | 0 | 0 | 7.8 |
| 68 | 0 | 0 | 0 | 0 | 0.04 | 0.19 | 2.5 | 2.62 | 0.2 | 0 | 0 | 0 | 5.55 |
| 69 | 0 | 0 | 0 | 0 | 0.15 | 0.19 | 2.2 | 2.54 | 1.52 | 0.17 | 0 | 0 | 6.77 |
| 70 | 0 | 0 | 0 | 0 | 0 | 0.37 | 2.77 | 2.58 | 0.77 | 0 | 0 | 0 | 6.49 |
| 71 | 0 | 0 | 0 | 0 | 0 | 0 | 1.14 | 2.54 | 1.67 | 0 | 0 | 0 | 5.35 |
| 72 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.99 | 0.69 | 0.19 | 0 | 0 | 0 | 4.17 |
| 73 | 0 | 0 | 0 | 0 | 0.37 | 0.61 | 1.33 | 0.99 | 0.81 | 0 | 0 | 0 | 4.11 |
| 74 | 0 | 0 | 0 | 0 | 0.12 | 0 | 2.4 | 1.45 | 0.31 | 0 | 0 | 0 | 4.28 |
| 75 | 0 | 0 | 0 | 0 | 0 | 0 | 2.56 | 0.61 | 0.97 | 0 | 0 | 0 | 4.14 |
| 76 | 0 | 0 | 0 | 0 | 0.1 | 0 | 1.18 | 1.65 | 0.83 | 0.01 | 0 | 0 | 3.77 |
| 77 | 0 | 0 | 0 | 0 | 0 | 0.46 | 1.4 | 1.07 | 1.18 | 0 | 0 | 0 | 4.11 |
| 78 | 0 | 0 | 0 | 0 | 0.17 | 0.1 | 0.89 | 0.45 | 0.58 | 0 | 0 | 0 | 2.19 |
| 79 | 0 | 0 | 0 | 0 | 0.35 | 0.28 | 0.2 | 1.19 | 0.26 | 0.55 | 0 | 0 | 2.83 |
| 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0.9 | 1.13 | 0.5 | 0 | 0 | 0 | 2.53 |
| 81 | 0 | 0 | 0 | 0 | 0.29 | 0.1 | 2.92 | 1.79 | 1.29 | 0.07 | 0 | 0 | 6.46 |
| 82 | 0 | 0 | 0 | 0 | 0.12 | 0 | 1.52 | 2.37 | 1.36 | 0 | 0 | 0 | 5.37 |
| 83 | 0 | 0 | 0 | 0 | 0 | 0 | 1.54 | 1.67 | 0.94 | 0 | 0 | 0 | 4.15 |
| 84 | 0 | 0 | 0 | 0 | 0.1 | 0.36 | 1.76 | 2.53 | 1.94 | 0 | 0 | 0 | 6.69 |
| 85 | 0 | 0 | 0 | 0 | 0.26 | 0.46 | 1.9 | 1.35 | 0.46 | 0 | 0 | 0 | 4.43 |
| 86 | 0 | 0 | 0 | 0 | 0.04 | 1.9 | 1.44 | 2.06 | 0.53 | 0 | 0 | 0 | 5.97 |
| 87 | 0 | 0 | 0 | 0 | 0.32 | 0.28 | 1.77 | 3.04 | 0.83 | 0.26 | 0 | 0 | 6.5 |
| 88 | 0 | 0 | 0 | 0 | 0 | 2.35 | 2.2 | 2.18 | 0.48 | 0 | 0 | 0 | 7.21 |
| 89 | 0 | 0 | 0 | 0 | 0 | 0 | 2.47 | 0.98 | 0.13 | 0 | 0 | 0 | 3.58 |
| 90 | 0 | 0 | 0 | 0 | 0.24 | 0.72 | 2.74 | 2.53 | 1.48 | 0.06 | 0 | 0 | 7.77 |
| 91 | 0 | 0 | 0 | 0 | 0 | 0.81 | 2.21 | 1.4 | 1.06 | 0 | 0 | 0 | 5.48 |
| 92 | 0 | 0 | 0 | 0 | 1.05 | 0.09 | 1.16 | 2.64 | 0.5 | 0 | 0 | 0 | 5.44 |
| 93 | 0 | 0 | 0 | 0 | 0.77 | 0 | 0.2 | 2.59 | 0.41 | 0 | 0 | 0 | 3.97 |
| 94 | 0 | 0 | 0 | 0 | 0.71 | 0.88 | 0.39 | 1.51 | 1.35 | 0 | 0 | 0 | 4.84 |
| 95 | 0 | 0 | 0 | 0 | 0 | 0.09 | 1.09 | 4.15 | 1.53 | 0 | 0 | 0 | 6.86 |
| 96 | 0 | 0 | 0 | 0 | 0 | 0.87 | 2.21 | 3.46 | 1.42 | 0 | 0 | 0 | 7.96 |
| 97 | 0 | 0 | 0 | 0 | 0.48 | 1.1 | 2.71 | 2.93 | 1.12 | 0.22 | 0 | 0 | 8.56 |
| 98 | 0 | 0 | 0 | 0 | 0 | 0 | 2.51 | 1.22 | 0.51 | 0 | 0 | 0 | 4.24 |
| 99 | 0 | 0 | 0 | 0 | 0.14 | 1.18 | 3.84 | 3.69 | 2.24 | 0 | 0 | 0 | 11.09 |
| 0 | 0 | 0 | 0 | 0 | 0 | 1.37 | 0.88 | 1.71 | 0.81 | 0 | 0 | 0 | 4.77 |
| 1 | 0 | 0 | 0 | 0 | 0.21 | 0.37 | 1.36 | 3.68 | 0.15 | 0 | 0 | 0 | 5.77 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 4.04 | 1.95 | 1.18 | 0 | 0 | 0 | 7.17 |
| 3 | 0 | 0 | 0 | 0 | 0 | 0.45 | 1.11 | 1.92 | 0.33 | 0 | 0 | 0 | 3.81 |
| 4 | 0 | 0 | 0 | 0 | 0 | 0.28 | 0.8 | 1.72 | 0.78 | 0 | 0 | 0 | 3.58 |
| 5 | 0 | 0 | 0 | 0 | 0 | 0.18 | 0.5 | 3.75 | 0.45 | 0 | 0 | 0 | 4.88 |
| 6 | 0 | 0 | 0 | 0 | 0.13 | 0.29 | 3.68 | 3.58 | 1.05 | 0 | 0 | 0 | 8.73 |
| 7 | 0 | 0 | 0 | 0 | 0.47 | 0.38 | 2.99 | 1.71 | 1.03 | 0 | 0 | 0 | 6.58 |
| 8 | 0 | 0 | 0 | 0 | 0.36 | 0.28 | 1.85 | 1.79 | 0.18 | 0.2 | 0 | 0 | 4.66 |
| AV | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.47 | 1.86 | 1.99 | 0.83 | 0.06 | 0.00 | 0.00 | 5.35 |

MODIFIED B-C CONSUMPTIVE USE OF IRRIGATION WATER
McGaffey Weather Station
Alfalfa

| Year | Crop Irrigation Requirement (inches) | | | | | | | | | | | | Total |
|------|--------------------------------------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| | January | February | March | April | May | June | July | August | September | October | November | December | |
| 49 | 0 | 0 | 0 | 0 | 0.79 | 2.76 | 2.08 | 2.38 | 2.32 | 0.07 | 0 | 0 | 10.4 |
| 50 | 0 | 0 | 0 | 0 | 0.72 | 4.29 | 3.7 | 4.01 | 0.8 | 0 | 0 | 0 | 13.53 |
| 51 | 0 | 0 | 0 | 0 | 1.41 | 4.22 | 5.22 | 3.25 | 1.17 | 0 | 0 | 0 | 15.27 |
| 52 | 0 | 0 | 0 | 0 | 1.65 | 3.37 | 2.91 | 3.31 | 1.31 | 0 | 0 | 0 | 12.56 |
| 53 | 0 | 0 | 0 | 0 | 0.5 | 4.55 | 3.11 | 3.41 | 1.58 | 0 | 0 | 0 | 13.15 |
| 54 | 0 | 0 | 0 | 0 | 2.2 | 4.68 | 4.13 | 2.59 | 1.68 | 0.22 | 0 | 0 | 15.51 |
| 55 | 0 | 0 | 0 | 0 | 2.25 | 4.15 | 2.66 | 2.65 | 2.41 | 0 | 0 | 0 | 14.12 |
| 56 | 0 | 0 | 0 | 0 | 2.14 | 5.08 | 3.63 | 2.56 | 3.08 | 0.43 | 0 | 0 | 16.91 |
| 57 | 0 | 0 | 0 | 0 | 0.6 | 3.93 | 2.85 | 0.39 | 0 | 0 | 0 | 0 | 7.77 |
| 58 | 0 | 0 | 0 | 0 | 2.56 | 3.99 | 4.47 | 2.18 | 0.31 | 0.25 | 0 | 0 | 13.75 |
| 59 | 0 | 0 | 0 | 0 | 1.69 | 4.04 | 4.82 | 2.34 | 2.44 | 0 | 0 | 0 | 15.34 |
| 60 | 0 | 0 | 0 | 0 | 1.15 | 3.99 | 5.38 | 5.02 | 2.41 | 0 | 0 | 0 | 17.96 |
| 61 | 0 | 0 | 0 | 0 | 2.02 | 5.06 | 3.67 | 2.26 | 0.47 | 0 | 0 | 0 | 13.49 |
| 62 | 0 | 0 | 0 | 0 | 1.26 | 4.48 | 4.4 | 3.83 | 0.92 | 0.05 | 0 | 0 | 14.93 |
| 63 | 0 | 0 | 0 | 0 | 2.63 | 4.42 | 4.71 | 1.37 | 1.84 | 0.63 | 0 | 0 | 15.6 |
| 64 | 0 | 0 | 0 | 0 | 1.65 | 4.25 | 3.72 | 1.61 | 1.87 | 0.55 | 0 | 0 | 13.65 |
| 65 | 0 | 0 | 0 | 0 | 0 | 2.07 | 2.46 | 2.61 | 1.41 | 0 | 0 | 0 | 8.56 |
| 66 | 0 | 0 | 0 | 0 | 2.43 | 4.15 | 4.32 | 3.59 | 1.35 | 0.57 | 0 | 0 | 16.4 |
| 67 | 0 | 0 | 0 | 0 | 0.71 | 2.22 | 2.91 | 2.01 | 0.74 | 0 | 0 | 0 | 8.6 |
| 68 | 0 | 0 | 0 | 0 | 0.95 | 4.49 | 2.69 | 1.24 | 1.48 | 0 | 0 | 0 | 10.86 |
| 69 | 0 | 0 | 0 | 0 | 0.92 | 4.25 | 3.62 | 2.45 | 1.32 | 0.11 | 0 | 0 | 12.66 |
| 70 | 0 | 0 | 0 | 0 | 1.17 | 3.94 | 2.92 | 2.23 | 1.5 | 0 | 0 | 0 | 11.77 |
| 71 | 0 | 0 | 0 | 0 | 0.5 | 4.25 | 4.66 | 1.98 | 0.22 | 0 | 0 | 0 | 11.61 |
| 72 | 0 | 0 | 0 | 0 | 0.88 | 2.84 | 3.74 | 3.81 | 1.82 | 0 | 0 | 0 | 13.09 |
| 73 | 0 | 0 | 0 | 0 | 0.55 | 3.72 | 3.97 | 3.6 | 1.49 | 0 | 0 | 0 | 13.33 |
| 74 | 0 | 0 | 0 | 0 | 2.04 | 5.28 | 2.88 | 2.85 | 2.39 | 0 | 0 | 0 | 15.44 |
| 75 | 0 | 0 | 0 | 0 | 0.26 | 4 | 2.59 | 3.8 | 1.32 | 0 | 0 | 0 | 11.97 |
| 76 | 0 | 0 | 0 | 0 | 1.12 | 4.34 | 4.1 | 2.67 | 2.01 | 0.28 | 0 | 0 | 14.52 |
| 77 | 0 | 0 | 0 | 0 | 0.86 | 4.32 | 4.04 | 3.77 | 2.02 | 0.08 | 0 | 0 | 15.09 |
| 78 | 0 | 0 | 0 | 0 | 0.61 | 4.53 | 4.84 | 3.91 | 1.51 | 0 | 0 | 0 | 15.4 |
| 79 | 0 | 0 | 0 | 0 | 0.38 | 3.92 | 5.22 | 3.1 | 3.05 | 0.46 | 0 | 0 | 16.13 |
| 80 | 0 | 0 | 0 | 0 | 0.67 | 4.7 | 4.94 | 3.58 | 1.84 | 0 | 0 | 0 | 15.72 |
| 81 | 0 | 0 | 0 | 0 | 1.16 | 4.88 | 2.52 | 2.69 | 1.63 | 0.24 | 0 | 0 | 13.12 |
| 82 | 0 | 0 | 0 | 0 | 0.41 | 4 | 3.65 | 2.27 | 1.56 | 0 | 0 | 0 | 11.88 |
| 83 | 0 | 0 | 0 | 0 | 0.27 | 3.98 | 3.86 | 2.95 | 1.49 | 0 | 0 | 0 | 12.54 |
| 84 | 0 | 0 | 0 | 0 | 2.5 | 4 | 3.76 | 1.9 | 1.12 | 0 | 0 | 0 | 13.28 |
| 85 | 0 | 0 | 0 | 0 | 1.18 | 4.21 | 3.62 | 3.33 | 0.7 | 0 | 0 | 0 | 13.04 |
| 86 | 0 | 0 | 0 | 0 | 0.45 | 2.37 | 3.48 | 2.56 | 0.59 | 0 | 0 | 0 | 9.46 |
| 87 | 0 | 0 | 0 | 0 | 0.53 | 4.12 | 3.15 | 1.02 | 1.88 | 0.71 | 0 | 0 | 11.41 |
| 88 | 0 | 0 | 0 | 0 | 0.78 | 2.09 | 3.06 | 2.41 | 1.41 | 0 | 0 | 0 | 9.75 |
| 89 | 0 | 0 | 0 | 0 | 1.98 | 4.36 | 3.37 | 3.45 | 0.99 | 0 | 0 | 0 | 14.15 |
| 90 | 0 | 0 | 0 | 0 | 0.76 | 4.44 | 2.33 | 1.53 | 1.64 | 0.44 | 0 | 0 | 11.14 |
| 91 | 0 | 0 | 0 | 0 | 0.72 | 3.08 | 3.07 | 3.15 | 0.69 | 0 | 0 | 0 | 10.72 |
| 92 | 0 | 0 | 0 | 0 | 0.58 | 3.89 | 3.87 | 1.75 | 2.27 | 0 | 0 | 0 | 12.38 |
| 93 | 0 | 0 | 0 | 0 | 0.71 | 4.2 | 5.14 | 1.94 | 1.52 | 0 | 0 | 0 | 13.5 |
| 94 | 0 | 0 | 0 | 0 | 0.67 | 4.36 | 5.34 | 3.54 | 1.08 | 0 | 0 | 0 | 15 |
| 95 | 0 | 0 | 0 | 0 | 0.06 | 3.75 | 4.04 | 0.96 | 1.53 | 0 | 0 | 0 | 10.34 |
| 96 | 0 | 0 | 0 | 0 | 2.96 | 4.25 | 3.69 | 1.38 | 0.42 | 0 | 0 | 0 | 12.7 |
| 97 | 0 | 0 | 0 | 0 | 1.5 | 2.99 | 2.53 | 1.51 | 2.22 | 0.3 | 0 | 0 | 11.05 |
| 98 | 0 | 0 | 0 | 0 | 0.67 | 3.86 | 3.12 | 3.57 | 2.66 | 0 | 0 | 0 | 13.88 |
| 99 | 0 | 0 | 0 | 0 | 0.74 | 3.02 | 1.4 | 0.83 | 0.56 | 0 | 0 | 0 | 6.56 |
| 0 | 0 | 0 | 0 | 0 | 3.47 | 3.55 | 4.52 | 3.28 | 2.1 | 0 | 0 | 0 | 16.92 |
| 1 | 0 | 0 | 0 | 0 | 2.2 | 4.43 | 4.42 | 0.85 | 0.97 | 0 | 0 | 0 | 12.86 |
| 2 | 0 | 0 | 0 | 0 | 1.69 | 5.28 | 1.86 | 2.89 | 1.03 | 0 | 0 | 0 | 12.75 |
| 3 | 0 | 0 | 0 | 0 | 1.74 | 4.23 | 5.46 | 3.13 | 1.85 | 0 | 0 | 0 | 16.42 |
| 4 | 0 | 0 | 0 | 0 | 1.89 | 4.27 | 4.48 | 2.69 | 1.47 | 0 | 0 | 0 | 14.79 |
| 5 | 0 | 0 | 0 | 0 | 0.88 | 3.42 | 5.56 | 0.8 | 1.25 | 0 | 0 | 0 | 11.92 |
| 6 | 0 | 0 | 0 | 0 | 2.96 | 5.09 | 1.93 | 0.72 | 0.59 | 0 | 0 | 0 | 11.28 |
| 7 | 0 | 0 | 0 | 0 | 1.3 | 4.82 | 3.24 | 3.32 | 1.89 | 0 | 0 | 0 | 14.57 |
| 8 | 0 | 0 | 0 | 0 | 0.83 | 4.5 | 3.86 | 3.39 | 3.05 | 0.31 | 0 | 0 | 15.93 |
| AV | 0 | 0 | 0 | 0 | 1.25 | 4.03 | 3.7 | 2.57 | 1.5 | 0.1 | 0 | 0 | 13.14 |

**MODIFIED B-C GROSS CONSUMPTIVE USE
McGaffey Weather Station**

| Corn Grain | | | | | | | | | | | | | |
|--|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| Crop Potential Evapotranspiration (inches) | | | | | | | | | | | | | |
| Year | January | February | March | April | May | June | July | August | September | October | November | December | Total |
| 49 | 0 | 0 | 0 | 0 | 0 | 1.44 | 4.05 | 4.67 | 2.27 | 0 | 0 | 0 | 12.44 |
| 50 | 0 | 0 | 0 | 0 | 0 | 1.73 | 4.58 | 4.38 | 0.82 | 0 | 0 | 0 | 11.5 |
| 51 | 0 | 0 | 0 | 0 | 0 | 1.54 | 5.12 | 4.65 | 0.91 | 0 | 0 | 0 | 12.21 |
| 52 | 0 | 0 | 0 | 0 | 0 | 2.18 | 4.85 | 4.81 | 1.37 | 0 | 0 | 0 | 13.2 |
| 53 | 0 | 0 | 0 | 0 | 0 | 1.8 | 4.69 | 4.45 | 1.41 | 0 | 0 | 0 | 12.35 |
| 54 | 0 | 0 | 0 | 0 | 0.19 | 2.47 | 5.31 | 3.28 | 0 | 0 | 0 | 0 | 11.25 |
| 55 | 0 | 0 | 0 | 0 | 0.24 | 2.29 | 4.37 | 4.8 | 2.22 | 0 | 0 | 0 | 13.92 |
| 56 | 0 | 0 | 0 | 0 | 0.3 | 2.53 | 4.69 | 4.62 | 1.91 | 0 | 0 | 0 | 14.04 |
| 57 | 0 | 0 | 0 | 0 | 0 | 1.76 | 5.41 | 0.65 | 0 | 0 | 0 | 0 | 7.81 |
| 58 | 0 | 0 | 0 | 0 | 0.44 | 2.57 | 5.2 | 4.93 | 1.42 | 0 | 0 | 0 | 14.57 |
| 59 | 0 | 0 | 0 | 0 | 0.1 | 2.4 | 5.09 | 4.52 | 1.81 | 0 | 0 | 0 | 13.91 |
| 60 | 0 | 0 | 0 | 0 | 0 | 1.9 | 4.5 | 5.38 | 2.98 | 0 | 0 | 0 | 14.76 |
| 61 | 0 | 0 | 0 | 0 | 0.17 | 2.53 | 5.48 | 4.63 | 0.31 | 0 | 0 | 0 | 13.12 |
| 62 | 0 | 0 | 0 | 0 | 0 | 1.85 | 4.97 | 4.25 | 0 | 0 | 0 | 0 | 11.07 |
| 63 | 0 | 0 | 0 | 0 | 0.2 | 2.07 | 4.56 | 4.64 | 3.29 | 0.51 | 0 | 0 | 15.26 |
| 64 | 0 | 0 | 0 | 0 | 0 | 1.58 | 4.39 | 4.45 | 1.71 | 0 | 0 | 0 | 12.13 |
| 65 | 0 | 0 | 0 | 0 | 0 | 0.34 | 2.94 | 4.47 | 1.7 | 0 | 0 | 0 | 9.45 |
| 66 | 0 | 0 | 0 | 0 | 0.08 | 2.08 | 4.6 | 5.04 | 2.91 | 0.24 | 0 | 0 | 14.96 |
| 67 | 0 | 0 | 0 | 0 | 0 | 1.06 | 4.16 | 4.5 | 1.35 | 0 | 0 | 0 | 11.07 |
| 68 | 0 | 0 | 0 | 0 | 0 | 2.02 | 4.94 | 2.57 | 0 | 0 | 0 | 0 | 9.52 |
| 69 | 0 | 0 | 0 | 0 | 0 | 1.66 | 4.33 | 5.06 | 2.41 | 0 | 0 | 0 | 13.46 |
| 70 | 0 | 0 | 0 | 0 | 0 | 1.6 | 4.89 | 4.63 | 0.59 | 0 | 0 | 0 | 11.72 |
| 71 | 0 | 0 | 0 | 0 | 0 | 1.4 | 4.87 | 4.36 | 0.48 | 0 | 0 | 0 | 11.11 |
| 72 | 0 | 0 | 0 | 0 | 0 | 1.3 | 4.12 | 4.55 | 1.87 | 0 | 0 | 0 | 11.83 |
| 73 | 0 | 0 | 0 | 0 | 0 | 1.49 | 3.88 | 4.65 | 2.16 | 0 | 0 | 0 | 12.17 |
| 74 | 0 | 0 | 0 | 0 | 0.3 | 2.57 | 4.41 | 4.34 | 2.54 | 0 | 0 | 0 | 14.16 |
| 75 | 0 | 0 | 0 | 0 | 0 | 1.04 | 3.46 | 4.47 | 2.07 | 0 | 0 | 0 | 11.04 |
| 76 | 0 | 0 | 0 | 0 | 0 | 1.56 | 3.79 | 4.39 | 2.56 | 0 | 0 | 0 | 12.31 |
| 77 | 0 | 0 | 0 | 0 | 0 | 1.93 | 4.34 | 4.87 | 2.2 | 0 | 0 | 0 | 13.34 |
| 78 | 0 | 0 | 0 | 0 | 0 | 1.77 | 4.46 | 4.39 | 1.93 | 0 | 0 | 0 | 12.55 |
| 79 | 0 | 0 | 0 | 0 | 0 | 1.31 | 3.5 | 4.32 | 3.29 | 0.41 | 0 | 0 | 12.82 |
| 80 | 0 | 0 | 0 | 0 | 0 | 1.79 | 4.47 | 4.76 | 2.18 | 0 | 0 | 0 | 13.2 |
| 81 | 0 | 0 | 0 | 0 | 0.02 | 2.26 | 4.14 | 4.56 | 2.83 | 0.23 | 0 | 0 | 14.04 |
| 82 | 0 | 0 | 0 | 0 | 0 | 1.05 | 3.28 | 4.7 | 2.82 | 0 | 0 | 0 | 11.85 |
| 83 | 0 | 0 | 0 | 0 | 0 | 1.03 | 3.66 | 4.68 | 2.26 | 0 | 0 | 0 | 11.64 |
| 84 | 0 | 0 | 0 | 0 | 0.25 | 2.1 | 4.58 | 4.47 | 2.74 | 0 | 0 | 0 | 14.13 |
| 85 | 0 | 0 | 0 | 0 | 0 | 2.06 | 4.82 | 4.54 | 0.7 | 0 | 0 | 0 | 12.12 |
| 86 | 0 | 0 | 0 | 0 | 0 | 1.36 | 3.91 | 4.59 | 1 | 0 | 0 | 0 | 10.86 |
| 87 | 0 | 0 | 0 | 0 | 0 | 1.57 | 3.96 | 4.06 | 1.35 | 0 | 0 | 0 | 10.95 |
| 88 | 0 | 0 | 0 | 0 | 0 | 1.61 | 4.27 | 4.58 | 1.26 | 0 | 0 | 0 | 11.72 |
| 89 | 0 | 0 | 0 | 0 | 0 | 1.84 | 5.04 | 4.31 | 0.89 | 0 | 0 | 0 | 12.08 |
| 90 | 0 | 0 | 0 | 0 | 0 | 2.24 | 3.83 | 4.13 | 3 | 0.06 | 0 | 0 | 13.25 |
| 91 | 0 | 0 | 0 | 0 | 0 | 0.93 | 3.66 | 4.58 | 1.41 | 0 | 0 | 0 | 10.57 |
| 92 | 0 | 0 | 0 | 0 | 0 | 1.15 | 4.36 | 3.58 | 0 | 0 | 0 | 0 | 9.09 |
| 93 | 0 | 0 | 0 | 0 | 0 | 1.49 | 4.46 | 4.44 | 0.87 | 0 | 0 | 0 | 11.25 |
| 94 | 0 | 0 | 0 | 0 | 0.06 | 2.47 | 4.92 | 5.02 | 1.53 | 0 | 0 | 0 | 14 |
| 95 | 0 | 0 | 0 | 0 | 0 | 0.83 | 3.33 | 5.17 | 1.98 | 0 | 0 | 0 | 11.32 |
| 96 | 0 | 0 | 0 | 0 | 0.57 | 2.71 | 5.31 | 4.8 | 1.67 | 0 | 0 | 0 | 15.06 |
| 97 | 0 | 0 | 0 | 0 | 0 | 1.38 | 3.82 | 4.5 | 2.38 | 0 | 0 | 0 | 12.08 |
| 98 | 0 | 0 | 0 | 0 | 0 | 0.89 | 3.55 | 4.87 | 2.92 | 0 | 0 | 0 | 12.23 |
| 99 | 0 | 0 | 0 | 0 | 0 | 1.36 | 4.01 | 4.53 | 1.46 | 0 | 0 | 0 | 11.35 |
| 0 | 0 | 0 | 0 | 0 | 0.71 | 2.62 | 4.79 | 5 | 2.61 | 0 | 0 | 0 | 15.73 |
| 1 | 0 | 0 | 0 | 0 | 0.22 | 2.4 | 5.29 | 4.34 | 0.76 | 0 | 0 | 0 | 13.02 |
| 2 | 0 | 0 | 0 | 0 | 0.16 | 2.53 | 5.04 | 4.85 | 1.93 | 0 | 0 | 0 | 14.51 |
| 3 | 0 | 0 | 0 | 0 | 0 | 2.18 | 5.74 | 4.93 | 1.18 | 0 | 0 | 0 | 14.04 |
| 4 | 0 | 0 | 0 | 0 | 0 | 2.1 | 4.73 | 4.21 | 0.49 | 0 | 0 | 0 | 11.53 |
| 5 | 0 | 0 | 0 | 0 | 0 | 0.68 | 3.89 | 4.58 | 1.35 | 0 | 0 | 0 | 10.5 |
| 6 | 0 | 0 | 0 | 0 | 0.63 | 2.86 | 5.08 | 4.25 | 1.48 | 0 | 0 | 0 | 14.29 |
| 7 | 0 | 0 | 0 | 0 | 0.16 | 2.46 | 5.16 | 5.07 | 2.74 | 0 | 0 | 0 | 15.59 |
| 8 | 0 | 0 | 0 | 0 | 0 | 2.12 | 5.09 | 4.95 | 0.56 | 0 | 0 | 0 | 12.72 |
| AV | 0 | 0 | 0 | 0 | 0.08 | 1.8 | 4.47 | 4.48 | 1.65 | 0.02 | 0 | 0 | 12.5 |

EFFECTIVE PRECIPITATION, Inches

McGaffey Weather Station

| YR | Corn Grain | | | | | | | | | | | | ANNUAL |
|----|------------|------|------|------|------|------|------|------|------|------|------|------|--------|
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| 49 | 0 | 0 | 0 | 0 | 0 | 0.98 | 3.15 | 2.25 | 0.66 | 0 | 0 | 0 | 7.04 |
| 50 | 0 | 0 | 0 | 0 | 0 | 0.19 | 1.67 | 0.45 | 0.24 | 0 | 0 | 0 | 2.55 |
| 51 | 0 | 0 | 0 | 0 | 0 | 0 | 0.87 | 1.48 | 0.11 | 0 | 0 | 0 | 2.46 |
| 52 | 0 | 0 | 0 | 0 | 0 | 1.15 | 2.59 | 1.56 | 0.23 | 0 | 0 | 0 | 5.53 |
| 53 | 0 | 0 | 0 | 0 | 0 | 0.12 | 2.44 | 1.05 | 0 | 0 | 0 | 0 | 3.61 |
| 54 | 0 | 0 | 0 | 0 | 0.03 | 0 | 1.39 | 1.43 | 0 | 0 | 0 | 0 | 2.85 |
| 55 | 0 | 0 | 0 | 0 | 0 | 0.47 | 2.34 | 2.14 | 0 | 0 | 0 | 0 | 4.95 |
| 56 | 0 | 0 | 0 | 0 | 0 | 0 | 1.68 | 2.06 | 0 | 0 | 0 | 0 | 3.74 |
| 57 | 0 | 0 | 0 | 0 | 0 | 0.29 | 2.73 | 0.4 | 0 | 0 | 0 | 0 | 3.42 |
| 58 | 0 | 0 | 0 | 0 | 0 | 0.88 | 1.24 | 2.84 | 1.23 | 0 | 0 | 0 | 6.19 |
| 59 | 0 | 0 | 0 | 0 | 0 | 0.87 | 1.1 | 2.17 | 0.11 | 0 | 0 | 0 | 4.25 |
| 60 | 0 | 0 | 0 | 0 | 0 | 0.48 | 0.45 | 0.3 | 0.81 | 0 | 0 | 0 | 2.04 |
| 61 | 0 | 0 | 0 | 0 | 0 | 0 | 2.16 | 2.61 | 0 | 0 | 0 | 0 | 4.77 |
| 62 | 0 | 0 | 0 | 0 | 0 | 0 | 1.01 | 0.87 | 0 | 0 | 0 | 0 | 1.88 |
| 63 | 0 | 0 | 0 | 0 | 0 | 0 | 1.13 | 3.2 | 1.5 | 0.18 | 0 | 0 | 6.01 |
| 64 | 0 | 0 | 0 | 0 | 0 | 0 | 1.78 | 2.82 | 0.55 | 0 | 0 | 0 | 5.15 |
| 65 | 0 | 0 | 0 | 0 | 0 | 0.17 | 2.38 | 1.79 | 0.5 | 0 | 0 | 0 | 4.84 |
| 66 | 0 | 0 | 0 | 0 | 0 | 0.32 | 1.54 | 1.37 | 1.64 | 0 | 0 | 0 | 4.87 |
| 67 | 0 | 0 | 0 | 0 | 0 | 0.88 | 2.6 | 2.47 | 0.75 | 0 | 0 | 0 | 6.7 |
| 68 | 0 | 0 | 0 | 0 | 0 | 0.14 | 2.48 | 1.8 | 0 | 0 | 0 | 0 | 4.42 |
| 69 | 0 | 0 | 0 | 0 | 0 | 0.12 | 2.03 | 2.55 | 1.3 | 0 | 0 | 0 | 6 |
| 70 | 0 | 0 | 0 | 0 | 0 | 0.23 | 2.65 | 2.55 | 0.15 | 0 | 0 | 0 | 5.58 |
| 71 | 0 | 0 | 0 | 0 | 0 | 0 | 1.08 | 2.52 | 0.44 | 0 | 0 | 0 | 4.04 |
| 72 | 0 | 0 | 0 | 0 | 0 | 0.78 | 1.82 | 0.69 | 0.19 | 0 | 0 | 0 | 3.48 |
| 73 | 0 | 0 | 0 | 0 | 0 | 0.39 | 1.23 | 1 | 0.8 | 0 | 0 | 0 | 3.42 |
| 74 | 0 | 0 | 0 | 0 | 0 | 0 | 2.28 | 1.45 | 0.3 | 0 | 0 | 0 | 4.03 |
| 75 | 0 | 0 | 0 | 0 | 0 | 0 | 2.34 | 0.61 | 0.92 | 0 | 0 | 0 | 3.87 |
| 76 | 0 | 0 | 0 | 0 | 0 | 0 | 1.08 | 1.65 | 0.76 | 0 | 0 | 0 | 3.49 |
| 77 | 0 | 0 | 0 | 0 | 0 | 0.34 | 1.32 | 1.07 | 0.79 | 0 | 0 | 0 | 3.52 |
| 78 | 0 | 0 | 0 | 0 | 0 | 0.05 | 0.83 | 0.45 | 0.57 | 0 | 0 | 0 | 1.9 |
| 79 | 0 | 0 | 0 | 0 | 0 | 0.14 | 0.18 | 1.18 | 0.27 | 0.18 | 0 | 0 | 1.95 |
| 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0.84 | 1.14 | 0.49 | 0 | 0 | 0 | 2.47 |
| 81 | 0 | 0 | 0 | 0 | 0 | 0.08 | 2.72 | 1.8 | 1.27 | 0.04 | 0 | 0 | 5.91 |
| 82 | 0 | 0 | 0 | 0 | 0 | 0 | 1.37 | 2.38 | 1.36 | 0 | 0 | 0 | 5.11 |
| 83 | 0 | 0 | 0 | 0 | 0 | 0 | 1.4 | 1.68 | 0.93 | 0 | 0 | 0 | 4.01 |
| 84 | 0 | 0 | 0 | 0 | 0 | 0.32 | 1.67 | 2.53 | 1.8 | 0 | 0 | 0 | 6.32 |
| 85 | 0 | 0 | 0 | 0 | 0 | 0.36 | 1.82 | 1.34 | 0.28 | 0 | 0 | 0 | 3.8 |
| 86 | 0 | 0 | 0 | 0 | 0 | 1.17 | 1.35 | 2.05 | 0.53 | 0 | 0 | 0 | 5.1 |
| 87 | 0 | 0 | 0 | 0 | 0 | 0.17 | 1.68 | 3.04 | 0.38 | 0 | 0 | 0 | 5.27 |
| 88 | 0 | 0 | 0 | 0 | 0 | 1.61 | 2.08 | 2.18 | 0.32 | 0 | 0 | 0 | 6.19 |
| 89 | 0 | 0 | 0 | 0 | 0 | 0 | 2.36 | 0.97 | 0.11 | 0 | 0 | 0 | 3.44 |
| 90 | 0 | 0 | 0 | 0 | 0 | 0.59 | 2.56 | 2.54 | 1.47 | 0 | 0 | 0 | 7.16 |
| 91 | 0 | 0 | 0 | 0 | 0 | 0.35 | 2.02 | 1.41 | 0.92 | 0 | 0 | 0 | 4.7 |
| 92 | 0 | 0 | 0 | 0 | 0 | 0.01 | 1.11 | 2.24 | 0 | 0 | 0 | 0 | 3.36 |
| 93 | 0 | 0 | 0 | 0 | 0 | 0 | 0.19 | 2.58 | 0.16 | 0 | 0 | 0 | 2.93 |
| 94 | 0 | 0 | 0 | 0 | 0 | 0.75 | 0.38 | 1.51 | 0.86 | 0 | 0 | 0 | 3.5 |
| 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0.99 | 4.16 | 0.95 | 0 | 0 | 0 | 6.1 |
| 96 | 0 | 0 | 0 | 0 | 0 | 0.76 | 2.14 | 3.46 | 1.41 | 0 | 0 | 0 | 7.77 |
| 97 | 0 | 0 | 0 | 0 | 0 | 0.72 | 2.5 | 2.95 | 0.79 | 0 | 0 | 0 | 6.96 |
| 98 | 0 | 0 | 0 | 0 | 0 | 0 | 2.23 | 1.22 | 0.48 | 0 | 0 | 0 | 3.93 |
| 99 | 0 | 0 | 0 | 0 | 0 | 0.73 | 3.59 | 3.69 | 1.15 | 0 | 0 | 0 | 9.16 |
| 0 | 0 | 0 | 0 | 0 | 0 | 1.2 | 0.85 | 1.71 | 0.77 | 0 | 0 | 0 | 4.53 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0.32 | 1.32 | 3.65 | 0.1 | 0 | 0 | 0 | 5.39 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 3.85 | 1.96 | 1.1 | 0 | 0 | 0 | 6.91 |
| 3 | 0 | 0 | 0 | 0 | 0 | 0.39 | 1.06 | 1.9 | 0.15 | 0 | 0 | 0 | 3.5 |
| 4 | 0 | 0 | 0 | 0 | 0 | 0.23 | 0.78 | 1.7 | 0.12 | 0 | 0 | 0 | 2.83 |
| 5 | 0 | 0 | 0 | 0 | 0 | 0.01 | 0.43 | 3.75 | 0.38 | 0 | 0 | 0 | 4.57 |
| 6 | 0 | 0 | 0 | 0 | 0 | 0.25 | 3.58 | 3.58 | 1.03 | 0 | 0 | 0 | 8.44 |
| 7 | 0 | 0 | 0 | 0 | 0.03 | 0.33 | 2.81 | 1.72 | 1.02 | 0 | 0 | 0 | 5.91 |
| 8 | 0 | 0 | 0 | 0 | 0 | 0.23 | 1.79 | 1.77 | 0 | 0 | 0 | 0 | 3.79 |
| AV | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 | 1.75 | 1.96 | 0.59 | 0.01 | 0.00 | 0.00 | 4.63 |

MODIFIED B-C CONSUMPTIVE USE OF IRRIGATION WATER

McGaffey Weather Station

Corn Grain

| Year | Crop Irrigation Requirement (inches) | | | | | | | | | | | | Total |
|------|--------------------------------------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| | January | February | March | April | May | June | July | August | September | October | November | December | |
| 49 | 0 | 0 | 0 | 0 | 0 | 0.46 | 0.9 | 2.42 | 1.61 | 0 | 0 | 0 | 5.38 |
| 50 | 0 | 0 | 0 | 0 | 0 | 1.54 | 2.91 | 3.93 | 0.58 | 0 | 0 | 0 | 8.96 |
| 51 | 0 | 0 | 0 | 0 | 0 | 1.54 | 4.25 | 3.17 | 0.8 | 0 | 0 | 0 | 9.76 |
| 52 | 0 | 0 | 0 | 0 | 0 | 1.03 | 2.26 | 3.25 | 1.14 | 0 | 0 | 0 | 7.68 |
| 53 | 0 | 0 | 0 | 0 | 0 | 1.68 | 2.25 | 3.4 | 1.41 | 0 | 0 | 0 | 8.74 |
| 54 | 0 | 0 | 0 | 0 | 0.16 | 2.47 | 3.92 | 1.85 | 0 | 0 | 0 | 0 | 8.39 |
| 55 | 0 | 0 | 0 | 0 | 0.24 | 1.82 | 2.03 | 2.66 | 2.22 | 0 | 0 | 0 | 8.97 |
| 56 | 0 | 0 | 0 | 0 | 0.3 | 2.53 | 3.01 | 2.56 | 1.91 | 0 | 0 | 0 | 10.3 |
| 57 | 0 | 0 | 0 | 0 | 0 | 1.47 | 2.68 | 0.25 | 0 | 0 | 0 | 0 | 4.4 |
| 58 | 0 | 0 | 0 | 0 | 0.44 | 1.69 | 3.96 | 2.09 | 0.19 | 0 | 0 | 0 | 8.36 |
| 59 | 0 | 0 | 0 | 0 | 0.1 | 1.53 | 3.99 | 2.35 | 1.7 | 0 | 0 | 0 | 9.66 |
| 60 | 0 | 0 | 0 | 0 | 0 | 1.42 | 4.05 | 5.08 | 2.17 | 0 | 0 | 0 | 12.72 |
| 61 | 0 | 0 | 0 | 0 | 0.17 | 2.53 | 3.32 | 2.02 | 0.31 | 0 | 0 | 0 | 8.35 |
| 62 | 0 | 0 | 0 | 0 | 0 | 1.85 | 3.96 | 3.38 | 0 | 0 | 0 | 0 | 9.19 |
| 63 | 0 | 0 | 0 | 0 | 0.2 | 2.07 | 3.43 | 1.44 | 1.79 | 0.33 | 0 | 0 | 9.25 |
| 64 | 0 | 0 | 0 | 0 | 0 | 1.58 | 2.61 | 1.63 | 1.16 | 0 | 0 | 0 | 6.98 |
| 65 | 0 | 0 | 0 | 0 | 0 | 0.17 | 0.56 | 2.68 | 1.2 | 0 | 0 | 0 | 4.61 |
| 66 | 0 | 0 | 0 | 0 | 0.08 | 1.76 | 3.06 | 3.67 | 1.27 | 0.24 | 0 | 0 | 10.08 |
| 67 | 0 | 0 | 0 | 0 | 0 | 0.18 | 1.56 | 2.03 | 0.6 | 0 | 0 | 0 | 4.36 |
| 68 | 0 | 0 | 0 | 0 | 0 | 1.88 | 2.46 | 0.77 | 0 | 0 | 0 | 0 | 5.11 |
| 69 | 0 | 0 | 0 | 0 | 0 | 1.54 | 2.3 | 2.51 | 1.11 | 0 | 0 | 0 | 7.46 |
| 70 | 0 | 0 | 0 | 0 | 0 | 1.37 | 2.24 | 2.08 | 0.44 | 0 | 0 | 0 | 6.13 |
| 71 | 0 | 0 | 0 | 0 | 0 | 1.4 | 3.79 | 1.84 | 0.04 | 0 | 0 | 0 | 7.08 |
| 72 | 0 | 0 | 0 | 0 | 0 | 0.52 | 2.3 | 3.86 | 1.68 | 0 | 0 | 0 | 8.35 |
| 73 | 0 | 0 | 0 | 0 | 0 | 1.1 | 2.65 | 3.65 | 1.36 | 0 | 0 | 0 | 8.77 |
| 74 | 0 | 0 | 0 | 0 | 0.3 | 2.57 | 2.13 | 2.89 | 2.24 | 0 | 0 | 0 | 10.13 |
| 75 | 0 | 0 | 0 | 0 | 0 | 1.04 | 1.12 | 3.86 | 1.15 | 0 | 0 | 0 | 7.18 |
| 76 | 0 | 0 | 0 | 0 | 0 | 1.56 | 2.71 | 2.74 | 1.8 | 0 | 0 | 0 | 8.81 |
| 77 | 0 | 0 | 0 | 0 | 0 | 1.59 | 3.02 | 3.8 | 1.41 | 0 | 0 | 0 | 9.81 |
| 78 | 0 | 0 | 0 | 0 | 0 | 1.72 | 3.63 | 3.94 | 1.36 | 0 | 0 | 0 | 10.64 |
| 79 | 0 | 0 | 0 | 0 | 0 | 1.17 | 3.32 | 3.14 | 3.02 | 0.23 | 0 | 0 | 10.87 |
| 80 | 0 | 0 | 0 | 0 | 0 | 1.79 | 3.63 | 3.62 | 1.69 | 0 | 0 | 0 | 10.73 |
| 81 | 0 | 0 | 0 | 0 | 0.02 | 2.18 | 1.42 | 2.76 | 1.56 | 0.19 | 0 | 0 | 8.13 |
| 82 | 0 | 0 | 0 | 0 | 0 | 1.05 | 1.91 | 2.32 | 1.46 | 0 | 0 | 0 | 6.75 |
| 83 | 0 | 0 | 0 | 0 | 0 | 1.03 | 2.26 | 3 | 1.33 | 0 | 0 | 0 | 7.63 |
| 84 | 0 | 0 | 0 | 0 | 0.25 | 1.78 | 2.91 | 1.94 | 0.94 | 0 | 0 | 0 | 7.82 |
| 85 | 0 | 0 | 0 | 0 | 0 | 1.7 | 3 | 3.2 | 0.42 | 0 | 0 | 0 | 8.31 |
| 86 | 0 | 0 | 0 | 0 | 0 | 0.19 | 2.56 | 2.54 | 0.47 | 0 | 0 | 0 | 5.75 |
| 87 | 0 | 0 | 0 | 0 | 0 | 1.4 | 2.28 | 1.02 | 0.97 | 0 | 0 | 0 | 5.68 |
| 88 | 0 | 0 | 0 | 0 | 0 | 0 | 2.19 | 2.4 | 0.94 | 0 | 0 | 0 | 5.54 |
| 89 | 0 | 0 | 0 | 0 | 0 | 1.84 | 2.68 | 3.34 | 0.78 | 0 | 0 | 0 | 8.63 |
| 90 | 0 | 0 | 0 | 0 | 0 | 1.65 | 1.27 | 1.59 | 1.53 | 0.06 | 0 | 0 | 6.1 |
| 91 | 0 | 0 | 0 | 0 | 0 | 0.58 | 1.64 | 3.17 | 0.49 | 0 | 0 | 0 | 5.89 |
| 92 | 0 | 0 | 0 | 0 | 0 | 1.14 | 3.25 | 1.34 | 0 | 0 | 0 | 0 | 5.73 |
| 93 | 0 | 0 | 0 | 0 | 0 | 1.49 | 4.27 | 1.86 | 0.71 | 0 | 0 | 0 | 8.32 |
| 94 | 0 | 0 | 0 | 0 | 0.06 | 1.72 | 4.54 | 3.51 | 0.67 | 0 | 0 | 0 | 10.5 |
| 95 | 0 | 0 | 0 | 0 | 0 | 0.83 | 2.34 | 1.01 | 1.03 | 0 | 0 | 0 | 5.21 |
| 96 | 0 | 0 | 0 | 0 | 0.57 | 1.95 | 3.17 | 1.34 | 0.26 | 0 | 0 | 0 | 7.3 |
| 97 | 0 | 0 | 0 | 0 | 0 | 0.66 | 1.32 | 1.55 | 1.59 | 0 | 0 | 0 | 5.13 |
| 98 | 0 | 0 | 0 | 0 | 0 | 0.89 | 1.32 | 3.65 | 2.44 | 0 | 0 | 0 | 8.29 |
| 99 | 0 | 0 | 0 | 0 | 0 | 0.63 | 0.42 | 0.84 | 0.31 | 0 | 0 | 0 | 2.21 |
| 0 | 0 | 0 | 0 | 0 | 0.71 | 1.42 | 3.94 | 3.29 | 1.84 | 0 | 0 | 0 | 11.2 |
| 1 | 0 | 0 | 0 | 0 | 0.22 | 2.08 | 3.97 | 0.69 | 0.66 | 0 | 0 | 0 | 7.62 |
| 2 | 0 | 0 | 0 | 0 | 0.16 | 2.53 | 1.19 | 2.89 | 0.83 | 0 | 0 | 0 | 7.6 |
| 3 | 0 | 0 | 0 | 0 | 0 | 1.79 | 4.68 | 3.03 | 1.03 | 0 | 0 | 0 | 10.54 |
| 4 | 0 | 0 | 0 | 0 | 0 | 1.87 | 3.95 | 2.51 | 0.37 | 0 | 0 | 0 | 8.7 |
| 5 | 0 | 0 | 0 | 0 | 0 | 0.67 | 3.46 | 0.83 | 0.97 | 0 | 0 | 0 | 5.93 |
| 6 | 0 | 0 | 0 | 0 | 0.63 | 2.61 | 1.5 | 0.67 | 0.45 | 0 | 0 | 0 | 5.86 |
| 7 | 0 | 0 | 0 | 0 | 0.13 | 2.13 | 2.35 | 3.35 | 1.72 | 0 | 0 | 0 | 9.69 |
| 8 | 0 | 0 | 0 | 0 | 0 | 1.89 | 3.3 | 3.18 | 0.56 | 0 | 0 | 0 | 8.93 |
| AV | 0 | 0 | 0 | 0 | 0.08 | 1.47 | 2.72 | 2.52 | 1.06 | 0.02 | 0 | 0 | 7.87 |

MODIFIED B-C GROSS CONSUMPTIVE USE

McGaffey Weather Station

Pasture Grass/Hay

| Year | Crop Potential Evapotranspiration (inches) | | | | | | | | | | | | Total |
|------|--|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| | January | February | March | April | May | June | July | August | September | October | November | December | |
| 49 | 0 | 0 | 0 | 0 | 2.19 | 3.48 | 4.56 | 3.97 | 2.91 | 0.55 | 0 | 0 | 17.65 |
| 50 | 0 | 0 | 0 | 0 | 1.74 | 3.72 | 4.53 | 3.83 | 2.23 | 1.7 | 0 | 0 | 17.74 |
| 51 | 0 | 0 | 0 | 0 | 2.37 | 3.43 | 5.09 | 4.06 | 2.55 | 0.61 | 0 | 0 | 18.12 |
| 52 | 0 | 0 | 0 | 0.19 | 2.4 | 3.85 | 4.65 | 4.19 | 2.75 | 1.12 | 0 | 0 | 19.14 |
| 53 | 0 | 0 | 0 | 0 | 1.12 | 3.86 | 4.72 | 3.83 | 2.68 | 1.13 | 0 | 0 | 17.33 |
| 54 | 0 | 0 | 0 | 1.17 | 2.69 | 3.81 | 4.59 | 3.82 | 2.55 | 0.48 | 0 | 0 | 19.11 |
| 55 | 0 | 0 | 0 | 0.13 | 2.74 | 3.81 | 4.22 | 4.11 | 2.86 | 1.04 | 0 | 0 | 18.92 |
| 56 | 0 | 0 | 0 | 0.16 | 2.65 | 4.13 | 4.46 | 3.97 | 2.7 | 1.05 | 0 | 0 | 19.12 |
| 57 | 0 | 0 | 0 | 0 | 1.66 | 3.57 | 4.65 | 3.88 | 2.52 | 0.88 | 0 | 0 | 17.15 |
| 58 | 0 | 0 | 0 | 0.23 | 2.81 | 4.07 | 4.77 | 4.32 | 2.6 | 1.11 | 0 | 0 | 19.91 |
| 59 | 0 | 0 | 0 | 0.42 | 2.4 | 4.12 | 4.95 | 3.88 | 2.69 | 0.85 | 0 | 0 | 19.29 |
| 60 | 0 | 0 | 0 | 0.14 | 2.29 | 3.75 | 4.86 | 4.56 | 3.24 | 0.67 | 0 | 0 | 19.51 |
| 61 | 0 | 0 | 0 | 0.25 | 2.51 | 4.12 | 4.88 | 4.22 | 2.47 | 0.86 | 0 | 0 | 19.31 |
| 62 | 0 | 0 | 0 | 0.86 | 2.28 | 3.64 | 4.51 | 4.08 | 2.77 | 1.37 | 0 | 0 | 19.51 |
| 63 | 0 | 0 | 0 | 0.22 | 2.82 | 3.6 | 4.91 | 3.91 | 2.93 | 1.51 | 0 | 0 | 19.9 |
| 64 | 0 | 0 | 0 | 0 | 2.25 | 3.46 | 4.66 | 3.8 | 2.49 | 1.15 | 0 | 0 | 17.81 |
| 65 | 0 | 0 | 0 | 0 | 1.34 | 2.77 | 4.27 | 3.77 | 2.28 | 1.25 | 0 | 0 | 15.68 |
| 66 | 0 | 0 | 0 | 0.45 | 2.68 | 3.67 | 4.97 | 4.25 | 2.63 | 0.84 | 0 | 0 | 19.5 |
| 67 | 0 | 0 | 0 | 0 | 1.98 | 3.23 | 4.77 | 3.85 | 2.48 | 0.95 | 0 | 0 | 17.24 |
| 68 | 0 | 0 | 0 | 0 | 1.76 | 3.81 | 4.31 | 3.31 | 2.41 | 1.01 | 0 | 0 | 16.62 |
| 69 | 0 | 0 | 0 | 0.14 | 2.2 | 3.61 | 4.82 | 4.29 | 2.49 | 0.25 | 0 | 0 | 17.81 |
| 70 | 0 | 0 | 0 | 0 | 1.84 | 3.51 | 4.72 | 4.13 | 2.44 | 0.19 | 0 | 0 | 16.82 |
| 71 | 0 | 0 | 0 | 0 | 1.48 | 3.46 | 4.8 | 3.88 | 2.38 | 0.28 | 0 | 0 | 16.29 |
| 72 | 0 | 0 | 0 | 0 | 2.1 | 3.37 | 4.75 | 3.86 | 2.44 | 0.8 | 0 | 0 | 17.32 |
| 73 | 0 | 0 | 0 | 0 | 1.66 | 3.52 | 4.39 | 3.94 | 2.39 | 0.79 | 0 | 0 | 16.69 |
| 74 | 0 | 0 | 0 | 0.01 | 2.59 | 4.3 | 4.37 | 3.69 | 2.5 | 0.93 | 0 | 0 | 18.4 |
| 75 | 0 | 0 | 0 | 0 | 1.27 | 3.26 | 4.27 | 3.78 | 2.49 | 0.66 | 0 | 0 | 15.73 |
| 76 | 0 | 0 | 0 | 0 | 2.2 | 3.54 | 4.37 | 3.71 | 2.49 | 0.4 | 0 | 0 | 16.72 |
| 77 | 0 | 0 | 0 | 0 | 1.84 | 3.89 | 4.51 | 4.16 | 2.81 | 1.1 | 0 | 0 | 18.31 |
| 78 | 0 | 0 | 0 | 0 | 1.71 | 3.77 | 4.75 | 3.74 | 2.57 | 1.16 | 0 | 0 | 17.7 |
| 79 | 0 | 0 | 0 | 0 | 1.78 | 3.42 | 4.49 | 3.68 | 2.91 | 1.09 | 0 | 0 | 17.37 |
| 80 | 0 | 0 | 0 | 0 | 1.4 | 3.83 | 4.84 | 4.05 | 2.63 | 0.54 | 0 | 0 | 17.29 |
| 81 | 0 | 0 | 0 | 0.27 | 2.3 | 4.05 | 4.51 | 3.85 | 2.56 | 0.56 | 0 | 0 | 18.09 |
| 82 | 0 | 0 | 0 | 0 | 1.74 | 3.26 | 4.29 | 3.98 | 2.63 | 0.38 | 0 | 0 | 16.28 |
| 83 | 0 | 0 | 0 | 0 | 1.28 | 3.24 | 4.47 | 3.97 | 2.9 | 0.99 | 0 | 0 | 16.86 |
| 84 | 0 | 0 | 0 | 0.05 | 2.88 | 3.55 | 4.58 | 3.8 | 2.69 | 0.26 | 0 | 0 | 17.81 |
| 85 | 0 | 0 | 0 | 0.1 | 2.32 | 3.8 | 4.58 | 4.02 | 2.03 | 0.2 | 0 | 0 | 17.06 |
| 86 | 0 | 0 | 0 | 0 | 1.42 | 3.48 | 4.07 | 3.97 | 2.2 | 0.48 | 0 | 0 | 15.62 |
| 87 | 0 | 0 | 0 | 0 | 1.98 | 3.58 | 4.07 | 3.49 | 2.38 | 1.16 | 0 | 0 | 16.66 |
| 88 | 0 | 0 | 0 | 0 | 1.7 | 3.61 | 4.36 | 3.94 | 2.26 | 1.26 | 0 | 0 | 17.12 |
| 89 | 0 | 0 | 0 | 0.66 | 2.5 | 3.55 | 4.84 | 3.8 | 2.57 | 0.51 | 0 | 0 | 18.44 |
| 90 | 0 | 0 | 0 | 0 | 1.89 | 4.2 | 4.21 | 3.49 | 2.74 | 0.66 | 0 | 0 | 17.18 |
| 91 | 0 | 0 | 0 | 0 | 1.91 | 3.17 | 4.37 | 3.91 | 2.61 | 1.02 | 0 | 0 | 16.99 |
| 92 | 0 | 0 | 0 | 0.9 | 2.42 | 3.24 | 4.17 | 3.77 | 2.66 | 1.03 | 0 | 0 | 18.19 |
| 93 | 0 | 0 | 0 | 0.01 | 2.37 | 3.42 | 4.42 | 3.89 | 2.45 | 0.62 | 0 | 0 | 17.19 |
| 94 | 0 | 0 | 0 | 0 | 2.11 | 4.26 | 4.75 | 4.33 | 2.61 | 0.42 | 0 | 0 | 18.49 |
| 95 | 0 | 0 | 0 | 0 | 1.18 | 3.13 | 4.26 | 4.38 | 2.69 | 0.79 | 0 | 0 | 16.43 |
| 96 | 0 | 0 | 0 | 0.44 | 2.89 | 4.17 | 4.89 | 4.16 | 2.26 | 0.55 | 0 | 0 | 19.36 |
| 97 | 0 | 0 | 0 | 0 | 2.48 | 3.33 | 4.34 | 3.82 | 2.93 | 0.68 | 0 | 0 | 17.58 |
| 98 | 0 | 0 | 0 | 0 | 1.74 | 3.14 | 4.66 | 4.11 | 3.05 | 0.88 | 0 | 0 | 17.58 |
| 99 | 0 | 0 | 0 | 0 | 1.86 | 3.42 | 4.34 | 3.88 | 2.53 | 1.2 | 0 | 0 | 17.22 |
| 0 | 0 | 0 | 0 | 0.86 | 3 | 4 | 4.47 | 4.29 | 2.97 | 0.72 | 0 | 0 | 20.31 |
| 1 | 0 | 0 | 0 | 0.27 | 2.68 | 3.91 | 4.79 | 3.89 | 2.97 | 1.31 | 0 | 0 | 19.82 |
| 2 | 0 | 0 | 0 | 1.04 | 2.39 | 4.3 | 4.89 | 4.16 | 2.69 | 0.81 | 0 | 0 | 20.28 |
| 3 | 0 | 0 | 0 | 0 | 2.27 | 3.81 | 5.44 | 4.33 | 2.76 | 1.48 | 0 | 0 | 20.1 |
| 4 | 0 | 0 | 0 | 0 | 2.52 | 3.71 | 4.37 | 3.78 | 2.55 | 0.73 | 0 | 0 | 17.65 |
| 5 | 0 | 0 | 0 | 0 | 2.22 | 2.93 | 5.02 | 3.91 | 2.71 | 0.97 | 0 | 0 | 17.76 |
| 6 | 0 | 0 | 0 | 0.61 | 2.89 | 4.38 | 4.65 | 3.69 | 2.27 | 0.53 | 0 | 0 | 19.02 |
| 7 | 0 | 0 | 0 | 0 | 2.44 | 4.23 | 5.16 | 4.32 | 2.98 | 1.43 | 0 | 0 | 20.56 |
| 8 | 0 | 0 | 0 | 0.04 | 2.2 | 3.89 | 4.73 | 4.45 | 2.83 | 1.28 | 0 | 0 | 19.43 |
| AV | 0 | 0 | 0 | 0.16 | 2.14 | 3.67 | 4.6 | 3.96 | 2.61 | 0.85 | 0 | 0 | 18 |

EFFECTIVE PRECIPITATION, Inches

McGaffey Weather Station

| YR | Pasture Grass/Hay | | | | | | | | | | | | ANNUAL |
|----|-------------------|-----|-----|---------|---------|-------|---------|--------|---------|-------|-----|-----|---------|
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| 49 | 0 | 0 | 0 | 0 | 0.61 | 1.45 | 3.24 | 2.17 | 0.97 | 0.16 | 0 | 0 | 8.6 |
| 50 | 0 | 0 | 0 | 0 | 0 | 0.27 | 1.67 | 0.43 | 0.93 | 0.07 | 0 | 0 | 3.37 |
| 51 | 0 | 0 | 0 | 0 | 0.32 | 0 | 0.86 | 1.43 | 0.55 | 0.41 | 0 | 0 | 3.57 |
| 52 | 0 | 0 | 0 | 0.09 | 0 | 1.29 | 2.56 | 1.51 | 0.62 | 0 | 0 | 0 | 6.07 |
| 53 | 0 | 0 | 0 | 0 | 0.08 | 0.18 | 2.45 | 1.02 | 0 | 0.47 | 0 | 0 | 4.2 |
| 54 | 0 | 0 | 0 | 0.07 | 0.82 | 0 | 1.33 | 1.79 | 1.19 | 0.36 | 0 | 0 | 5.56 |
| 55 | 0 | 0 | 0 | 0 | 0.33 | 0.51 | 2.31 | 2.06 | 0 | 0 | 0 | 0 | 5.21 |
| 56 | 0 | 0 | 0 | 0 | 0.33 | 0 | 1.66 | 1.99 | 0 | 0.68 | 0 | 0 | 4.66 |
| 57 | 0 | 0 | 0 | 0 | 0.49 | 0.43 | 2.62 | 2.68 | 0 | 0.88 | 0 | 0 | 7.1 |
| 58 | 0 | 0 | 0 | 0.05 | 0.17 | 0.96 | 1.21 | 2.74 | 2.6 | 0.64 | 0 | 0 | 8.37 |
| 59 | 0 | 0 | 0 | 0.2 | 0 | 0.97 | 1.08 | 2.1 | 0.25 | 0.85 | 0 | 0 | 5.45 |
| 60 | 0 | 0 | 0 | 0 | 0.54 | 0.58 | 0.46 | 0.28 | 0.99 | 0.52 | 0 | 0 | 3.37 |
| 61 | 0 | 0 | 0 | 0.02 | 0 | 0 | 2.09 | 2.55 | 0.61 | 0.86 | 0 | 0 | 6.13 |
| 62 | 0 | 0 | 0 | 0 | 0.17 | 0 | 0.99 | 0.89 | 2.19 | 1.37 | 0 | 0 | 5.61 |
| 63 | 0 | 0 | 0 | 0 | 0 | 0 | 1.15 | 3.07 | 1.46 | 0.83 | 0 | 0 | 6.51 |
| 64 | 0 | 0 | 0 | 0 | 0.15 | 0 | 1.81 | 2.72 | 0.94 | 0.08 | 0 | 0 | 5.7 |
| 65 | 0 | 0 | 0 | 0 | 0.49 | 1.09 | 2.56 | 1.72 | 0.81 | 0.4 | 0 | 0 | 7.07 |
| 66 | 0 | 0 | 0 | 0.11 | 0.09 | 0.35 | 1.58 | 1.31 | 1.61 | 0 | 0 | 0 | 5.05 |
| 67 | 0 | 0 | 0 | 0 | 0.14 | 1.67 | 2.69 | 2.39 | 1.6 | 0.07 | 0 | 0 | 8.56 |
| 68 | 0 | 0 | 0 | 0 | 0.22 | 0.18 | 2.39 | 2.53 | 0.4 | 0.07 | 0 | 0 | 5.79 |
| 69 | 0 | 0 | 0 | 0 | 0.6 | 0.18 | 2.08 | 2.45 | 1.48 | 0.18 | 0 | 0 | 6.97 |
| 70 | 0 | 0 | 0 | 0 | 0.11 | 0.35 | 2.63 | 2.48 | 1.01 | 0.1 | 0 | 0 | 6.68 |
| 71 | 0 | 0 | 0 | 0 | 0 | 0 | 1.07 | 2.45 | 2.38 | 0.24 | 0 | 0 | 6.14 |
| 72 | 0 | 0 | 0 | 0 | 0 | 1.25 | 1.88 | 0.66 | 0.33 | 0.8 | 0 | 0 | 4.92 |
| 73 | 0 | 0 | 0 | 0 | 0.95 | 0.58 | 1.26 | 0.96 | 1 | 0.16 | 0 | 0 | 4.91 |
| 74 | 0 | 0 | 0 | 0 | 0.25 | 0 | 2.27 | 1.4 | 0.32 | 0.93 | 0 | 0 | 5.17 |
| 75 | 0 | 0 | 0 | 0 | 0.32 | 0 | 2.44 | 0.58 | 1.25 | 0 | 0 | 0 | 4.59 |
| 76 | 0 | 0 | 0 | 0 | 0.37 | 0 | 1.12 | 1.59 | 0.81 | 0.08 | 0 | 0 | 3.97 |
| 77 | 0 | 0 | 0 | 0 | 0.19 | 0.43 | 1.33 | 1.04 | 1.15 | 0.33 | 0 | 0 | 4.47 |
| 78 | 0 | 0 | 0 | 0 | 0.66 | 0.09 | 0.85 | 0.43 | 0.88 | 0.35 | 0 | 0 | 3.26 |
| 79 | 0 | 0 | 0 | 0 | 1.25 | 0.27 | 0.19 | 1.14 | 0.26 | 0.71 | 0 | 0 | 3.82 |
| 80 | 0 | 0 | 0 | 0 | 0.01 | 0 | 0.85 | 1.1 | 0.69 | 0.19 | 0 | 0 | 2.84 |
| 81 | 0 | 0 | 0 | 0.14 | 0.74 | 0.09 | 2.77 | 1.73 | 1.25 | 0.25 | 0 | 0 | 6.97 |
| 82 | 0 | 0 | 0 | 0 | 0.78 | 0 | 1.45 | 2.28 | 1.38 | 0.09 | 0 | 0 | 5.98 |
| 83 | 0 | 0 | 0 | 0 | 0.32 | 0 | 1.46 | 1.62 | 1.35 | 0.92 | 0 | 0 | 5.67 |
| 84 | 0 | 0 | 0 | 0 | 0.18 | 0.35 | 1.67 | 2.44 | 1.9 | 0.22 | 0 | 0 | 6.76 |
| 85 | 0 | 0 | 0 | 0.03 | 0.67 | 0.43 | 1.8 | 1.3 | 1.16 | 0.07 | 0 | 0 | 5.46 |
| 86 | 0 | 0 | 0 | 0 | 0.41 | 1.82 | 1.36 | 1.99 | 1.46 | 0.48 | 0 | 0 | 7.52 |
| 87 | 0 | 0 | 0 | 0 | 1.16 | 0.26 | 1.68 | 2.95 | 0.81 | 0.4 | 0 | 0 | 7.26 |
| 88 | 0 | 0 | 0 | 0 | 0.16 | 2.24 | 2.1 | 2.1 | 0.74 | 0 | 0 | 0 | 7.34 |
| 89 | 0 | 0 | 0 | 0 | 0 | 0 | 2.34 | 0.95 | 0.54 | 0.31 | 0 | 0 | 4.14 |
| 90 | 0 | 0 | 0 | 0 | 0.79 | 0.68 | 2.61 | 2.45 | 1.45 | 0.15 | 0 | 0 | 8.13 |
| 91 | 0 | 0 | 0 | 0 | 0 | 0.78 | 2.09 | 1.36 | 1.95 | 0.58 | 0 | 0 | 6.76 |
| 92 | 0 | 0 | 0 | 0.41 | 1.98 | 0.09 | 1.1 | 2.55 | 0.56 | 0.69 | 0 | 0 | 7.38 |
| 93 | 0 | 0 | 0 | 0 | 1.65 | 0 | 0.19 | 2.5 | 0.68 | 0.26 | 0 | 0 | 5.28 |
| 94 | 0 | 0 | 0 | 0 | 1.52 | 0.82 | 0.37 | 1.45 | 1.73 | 0.38 | 0 | 0 | 6.27 |
| 95 | 0 | 0 | 0 | 0 | 0.8 | 0.09 | 1.05 | 3.98 | 1.5 | 0 | 0 | 0 | 7.42 |
| 96 | 0 | 0 | 0 | 0.01 | 0 | 0.83 | 2.09 | 3.34 | 2.18 | 0.3 | 0 | 0 | 8.75 |
| 97 | 0 | 0 | 0 | 0 | 0.78 | 1.06 | 2.57 | 2.84 | 1.09 | 0.38 | 0 | 0 | 8.72 |
| 98 | 0 | 0 | 0 | 0 | 0.04 | 0 | 2.37 | 1.17 | 0.57 | 0.88 | 0 | 0 | 5.03 |
| 99 | 0 | 0 | 0 | 0 | 0.53 | 1.13 | 3.65 | 3.56 | 2.27 | 0 | 0 | 0 | 11.14 |
| 0 | 0 | 0 | 0 | 0 | 0 | 1.29 | 0.83 | 1.65 | 0.97 | 0.72 | 0 | 0 | 5.46 |
| 1 | 0 | 0 | 0 | 0.08 | 0.33 | 0.36 | 1.29 | 3.56 | 0.7 | 0.33 | 0 | 0 | 6.65 |
| 2 | 0 | 0 | 0 | 0.27 | 0.09 | 0 | 3.82 | 1.89 | 1.73 | 0.81 | 0 | 0 | 8.61 |
| 3 | 0 | 0 | 0 | 0 | 0 | 0.43 | 1.03 | 1.84 | 0.55 | 0.46 | 0 | 0 | 4.31 |
| 4 | 0 | 0 | 0 | 0 | 0 | 0.27 | 0.76 | 1.66 | 1.07 | 0.11 | 0 | 0 | 3.87 |
| 5 | 0 | 0 | 0 | 0 | 0.16 | 0.17 | 0.46 | 3.62 | 0.95 | 0.49 | 0 | 0 | 5.85 |
| 6 | 0 | 0 | 0 | 0 | 0.17 | 0.28 | 3.49 | 3.46 | 1.81 | 0.41 | 0 | 0 | 9.62 |
| 7 | 0 | 0 | 0 | 0 | 0.94 | 0.36 | 2.81 | 1.65 | 1.22 | 0.36 | 0 | 0 | 7.34 |
| 8 | 0 | 0 | 0 | 0 | 1.05 | 0.27 | 1.75 | 1.72 | 0.17 | 0.8 | 0 | 0 | 5.76 |
| AV | 0 | 0 | 0 | 0.02467 | 0.41517 | 0.453 | 1.76067 | 1.9545 | 1.05033 | 0.394 | 0 | 0 | 6.05233 |

MODIFIED B-C CONSUMPTIVE USE OF IRRIGATION WATER

McGaffey Weather Station

Pasture Grass/Hay

| Year | Crop Irrigation Requirement (inches) | | | | | | | | | | | | Total |
|------|--------------------------------------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| | January | February | March | April | May | June | July | August | September | October | November | December | |
| 49 | 0 | 0 | 0 | 0 | 1.58 | 2.03 | 1.32 | 1.8 | 1.94 | 0.39 | 0 | 0 | 9.06 |
| 50 | 0 | 0 | 0 | 0 | 1.74 | 3.45 | 2.86 | 3.4 | 1.3 | 1.63 | 0 | 0 | 14.38 |
| 51 | 0 | 0 | 0 | 0 | 2.05 | 3.43 | 4.23 | 2.63 | 2 | 0.2 | 0 | 0 | 14.55 |
| 52 | 0 | 0 | 0 | 0.1 | 2.4 | 2.56 | 2.09 | 2.68 | 2.13 | 1.12 | 0 | 0 | 13.08 |
| 53 | 0 | 0 | 0 | 0 | 1.04 | 3.68 | 2.27 | 2.81 | 2.68 | 0.66 | 0 | 0 | 13.15 |
| 54 | 0 | 0 | 0 | 1.1 | 1.87 | 3.81 | 3.26 | 2.03 | 1.36 | 0.12 | 0 | 0 | 13.55 |
| 55 | 0 | 0 | 0 | 0.13 | 2.41 | 3.3 | 1.91 | 2.05 | 2.86 | 1.04 | 0 | 0 | 13.7 |
| 56 | 0 | 0 | 0 | 0.16 | 2.32 | 4.13 | 2.8 | 1.98 | 2.7 | 0.37 | 0 | 0 | 14.47 |
| 57 | 0 | 0 | 0 | 0 | 1.17 | 3.14 | 2.03 | 1.2 | 2.52 | 0 | 0 | 0 | 10.06 |
| 58 | 0 | 0 | 0 | 0.18 | 2.64 | 3.11 | 3.56 | 1.58 | 0 | 0.47 | 0 | 0 | 11.53 |
| 59 | 0 | 0 | 0 | 0.22 | 2.4 | 3.15 | 3.87 | 1.78 | 2.44 | 0 | 0 | 0 | 13.86 |
| 60 | 0 | 0 | 0 | 0.14 | 1.75 | 3.17 | 4.4 | 4.28 | 2.25 | 0.15 | 0 | 0 | 16.14 |
| 61 | 0 | 0 | 0 | 0.23 | 2.51 | 4.12 | 2.79 | 1.67 | 1.86 | 0 | 0 | 0 | 13.17 |
| 62 | 0 | 0 | 0 | 0.86 | 2.11 | 3.64 | 3.52 | 3.19 | 0.58 | 0 | 0 | 0 | 13.91 |
| 63 | 0 | 0 | 0 | 0.22 | 2.82 | 3.6 | 3.76 | 0.84 | 1.47 | 0.68 | 0 | 0 | 13.38 |
| 64 | 0 | 0 | 0 | 0 | 2.1 | 3.46 | 2.85 | 1.08 | 1.55 | 1.07 | 0 | 0 | 12.12 |
| 65 | 0 | 0 | 0 | 0 | 0.85 | 1.68 | 1.71 | 2.05 | 1.47 | 0.85 | 0 | 0 | 8.62 |
| 66 | 0 | 0 | 0 | 0.34 | 2.59 | 3.32 | 3.39 | 2.94 | 1.02 | 0.84 | 0 | 0 | 14.45 |
| 67 | 0 | 0 | 0 | 0 | 1.84 | 1.56 | 2.08 | 1.46 | 0.88 | 0.88 | 0 | 0 | 8.7 |
| 68 | 0 | 0 | 0 | 0 | 1.54 | 3.63 | 1.92 | 0.78 | 2.01 | 0.94 | 0 | 0 | 10.81 |
| 69 | 0 | 0 | 0 | 0.14 | 1.6 | 3.43 | 2.74 | 1.84 | 1.01 | 0.07 | 0 | 0 | 10.83 |
| 70 | 0 | 0 | 0 | 0 | 1.73 | 3.16 | 2.09 | 1.65 | 1.43 | 0.09 | 0 | 0 | 10.16 |
| 71 | 0 | 0 | 0 | 0 | 1.48 | 3.46 | 3.73 | 1.43 | 0 | 0.04 | 0 | 0 | 10.14 |
| 72 | 0 | 0 | 0 | 0 | 2.1 | 2.12 | 2.87 | 3.2 | 2.11 | 0 | 0 | 0 | 12.4 |
| 73 | 0 | 0 | 0 | 0 | 0.71 | 2.94 | 3.13 | 2.98 | 1.39 | 0.63 | 0 | 0 | 11.79 |
| 74 | 0 | 0 | 0 | 0.01 | 2.34 | 4.3 | 2.1 | 2.29 | 2.18 | 0 | 0 | 0 | 13.21 |
| 75 | 0 | 0 | 0 | 0 | 0.95 | 3.26 | 1.83 | 3.2 | 1.24 | 0.66 | 0 | 0 | 11.13 |
| 76 | 0 | 0 | 0 | 0 | 1.83 | 3.54 | 3.25 | 2.12 | 1.68 | 0.32 | 0 | 0 | 12.73 |
| 77 | 0 | 0 | 0 | 0 | 1.65 | 3.46 | 3.18 | 3.12 | 1.66 | 0.77 | 0 | 0 | 13.84 |
| 78 | 0 | 0 | 0 | 0 | 1.05 | 3.68 | 3.9 | 3.31 | 1.69 | 0.81 | 0 | 0 | 14.44 |
| 79 | 0 | 0 | 0 | 0 | 0.53 | 3.15 | 4.3 | 2.54 | 2.65 | 0.38 | 0 | 0 | 13.55 |
| 80 | 0 | 0 | 0 | 0 | 1.39 | 3.83 | 3.99 | 2.95 | 1.94 | 0.35 | 0 | 0 | 14.45 |
| 81 | 0 | 0 | 0 | 0.13 | 1.56 | 3.96 | 1.74 | 2.12 | 1.31 | 0.31 | 0 | 0 | 11.12 |
| 82 | 0 | 0 | 0 | 0 | 0.96 | 3.26 | 2.84 | 1.7 | 1.25 | 0.29 | 0 | 0 | 10.3 |
| 83 | 0 | 0 | 0 | 0 | 0.96 | 3.24 | 3.01 | 2.35 | 1.55 | 0.07 | 0 | 0 | 11.18 |
| 84 | 0 | 0 | 0 | 0.05 | 2.7 | 3.2 | 2.91 | 1.36 | 0.79 | 0.04 | 0 | 0 | 11.05 |
| 85 | 0 | 0 | 0 | 0.07 | 1.65 | 3.37 | 2.78 | 2.72 | 0.87 | 0.13 | 0 | 0 | 11.59 |
| 86 | 0 | 0 | 0 | 0 | 1.01 | 1.66 | 2.71 | 1.98 | 0.74 | 0 | 0 | 0 | 8.11 |
| 87 | 0 | 0 | 0 | 0 | 0.82 | 3.32 | 2.39 | 0.54 | 1.57 | 0.76 | 0 | 0 | 9.4 |
| 88 | 0 | 0 | 0 | 0 | 1.54 | 1.37 | 2.26 | 1.84 | 1.52 | 1.26 | 0 | 0 | 9.79 |
| 89 | 0 | 0 | 0 | 0.66 | 2.5 | 3.55 | 2.5 | 2.85 | 2.03 | 0.2 | 0 | 0 | 14.3 |
| 90 | 0 | 0 | 0 | 0 | 1.1 | 3.52 | 1.6 | 1.04 | 1.29 | 0.51 | 0 | 0 | 9.06 |
| 91 | 0 | 0 | 0 | 0 | 1.91 | 2.39 | 2.28 | 2.55 | 0.66 | 0.44 | 0 | 0 | 10.23 |
| 92 | 0 | 0 | 0 | 0.49 | 0.44 | 3.15 | 3.07 | 1.22 | 2.1 | 0.34 | 0 | 0 | 10.82 |
| 93 | 0 | 0 | 0 | 0.01 | 0.72 | 3.42 | 4.23 | 1.39 | 1.77 | 0.36 | 0 | 0 | 11.9 |
| 94 | 0 | 0 | 0 | 0 | 0.59 | 3.44 | 4.38 | 2.88 | 0.88 | 0.04 | 0 | 0 | 12.21 |
| 95 | 0 | 0 | 0 | 0 | 0.38 | 3.04 | 3.21 | 0.4 | 1.19 | 0.79 | 0 | 0 | 9.01 |
| 96 | 0 | 0 | 0 | 0.43 | 2.89 | 3.34 | 2.8 | 0.82 | 0.08 | 0.25 | 0 | 0 | 10.61 |
| 97 | 0 | 0 | 0 | 0 | 1.7 | 2.27 | 1.77 | 0.98 | 1.84 | 0.3 | 0 | 0 | 8.86 |
| 98 | 0 | 0 | 0 | 0 | 1.7 | 3.14 | 2.29 | 2.94 | 2.48 | 0 | 0 | 0 | 12.56 |
| 99 | 0 | 0 | 0 | 0 | 1.33 | 2.29 | 0.69 | 0.32 | 0.26 | 1.2 | 0 | 0 | 6.09 |
| 0 | 0 | 0 | 0 | 0.86 | 3 | 2.71 | 3.64 | 2.64 | 2 | 0 | 0 | 0 | 14.85 |
| 1 | 0 | 0 | 0 | 0.19 | 2.35 | 3.55 | 3.5 | 0.33 | 2.27 | 0.98 | 0 | 0 | 13.17 |
| 2 | 0 | 0 | 0 | 0.77 | 2.3 | 4.3 | 1.07 | 2.27 | 0.96 | 0 | 0 | 0 | 11.67 |
| 3 | 0 | 0 | 0 | 0 | 2.27 | 3.38 | 4.41 | 2.49 | 2.21 | 1.02 | 0 | 0 | 15.77 |
| 4 | 0 | 0 | 0 | 0 | 2.52 | 3.44 | 3.61 | 2.12 | 1.48 | 0.62 | 0 | 0 | 13.79 |
| 5 | 0 | 0 | 0 | 0 | 2.06 | 2.76 | 4.56 | 0.29 | 1.76 | 0.48 | 0 | 0 | 11.9 |
| 6 | 0 | 0 | 0 | 0.61 | 2.72 | 4.1 | 1.16 | 0.23 | 0.46 | 0.12 | 0 | 0 | 9.41 |
| 7 | 0 | 0 | 0 | 0 | 1.5 | 3.87 | 2.35 | 2.67 | 1.76 | 1.07 | 0 | 0 | 13.23 |
| 8 | 0 | 0 | 0 | 0.04 | 1.15 | 3.62 | 2.98 | 2.73 | 2.66 | 0.48 | 0 | 0 | 13.66 |
| AV | 0 | 0 | 0 | 0.14 | 1.72 | 3.22 | 2.84 | 2.01 | 1.56 | 0.46 | 0 | 0 | 11.95 |

MODIFIED B-C GROSS CONSUMPTIVE USE

McGaffey Weather Station

Spring Grain

| Year | Crop Potential Evapotranspiration (inches) | | | | | | | | | | | | Total |
|------|--|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| | January | February | March | April | May | June | July | August | September | October | November | December | |
| 49 | 0 | 0 | 0 | 0 | 1.14 | 3.96 | 6.33 | 2.62 | 0.07 | 0 | 0 | 0 | 14.11 |
| 50 | 0 | 0 | 0 | 0 | 0.88 | 3.94 | 6.33 | 2.87 | 0.1 | 0 | 0 | 0 | 14.13 |
| 51 | 0 | 0 | 0 | 0 | 1.24 | 3.91 | 7.06 | 2.68 | 0.07 | 0 | 0 | 0 | 14.96 |
| 52 | 0 | 0 | 0 | 0.06 | 1.28 | 4.57 | 6.33 | 2.35 | 0.02 | 0 | 0 | 0 | 14.61 |
| 53 | 0 | 0 | 0 | 0 | 0.48 | 3 | 6.67 | 3.63 | 0.28 | 0 | 0 | 0 | 14.06 |
| 54 | 0 | 0 | 0 | 0.56 | 2.32 | 5.43 | 4.66 | 0.59 | 0 | 0 | 0 | 0 | 13.56 |
| 55 | 0 | 0 | 0 | 0.05 | 1.45 | 4.47 | 5.83 | 2.44 | 0.03 | 0 | 0 | 0 | 14.27 |
| 56 | 0 | 0 | 0 | 0.05 | 1.41 | 4.91 | 6.07 | 2.22 | 0.02 | 0 | 0 | 0 | 14.7 |
| 57 | 0 | 0 | 0 | 0 | 0.87 | 4.59 | 4.15 | 0.07 | 0 | 0 | 0 | 0 | 9.68 |
| 58 | 0 | 0 | 0 | 0.08 | 1.51 | 4.91 | 6.4 | 2.28 | 0.01 | 0 | 0 | 0 | 15.19 |
| 59 | 0 | 0 | 0 | 0.16 | 1.32 | 5.16 | 6.35 | 1.58 | 0 | 0 | 0 | 0 | 14.57 |
| 60 | 0 | 0 | 0 | 0.05 | 1.21 | 4.4 | 6.71 | 2.71 | 0.04 | 0 | 0 | 0 | 15.11 |
| 61 | 0 | 0 | 0 | 0.09 | 1.35 | 4.96 | 6.54 | 2.23 | 0.01 | 0 | 0 | 0 | 15.18 |
| 62 | 0 | 0 | 0 | 0.38 | 1.62 | 4.98 | 5.1 | 0.89 | 0 | 0 | 0 | 0 | 12.98 |
| 63 | 0 | 0 | 0 | 0.08 | 1.52 | 4.34 | 6.59 | 2.06 | 0.01 | 0 | 0 | 0 | 14.6 |
| 64 | 0 | 0 | 0 | 0 | 1.16 | 3.77 | 6.52 | 2.88 | 0.13 | 0 | 0 | 0 | 14.45 |
| 65 | 0 | 0 | 0 | 0 | 0.62 | 2.43 | 6.08 | 3.75 | 0.36 | 0 | 0 | 0 | 13.25 |
| 66 | 0 | 0 | 0 | 0.17 | 1.48 | 4.66 | 6.28 | 1.65 | 0 | 0 | 0 | 0 | 14.25 |
| 67 | 0 | 0 | 0 | 0 | 1.02 | 3.51 | 6.66 | 2.92 | 0.13 | 0 | 0 | 0 | 14.24 |
| 68 | 0 | 0 | 0 | 0 | 0.91 | 4.45 | 5.43 | 0.79 | 0 | 0 | 0 | 0 | 11.57 |
| 69 | 0 | 0 | 0 | 0.05 | 1.16 | 4.24 | 6.66 | 2.54 | 0.03 | 0 | 0 | 0 | 14.68 |
| 70 | 0 | 0 | 0 | 0 | 0.93 | 3.74 | 6.58 | 2.73 | 0.04 | 0 | 0 | 0 | 14.03 |
| 71 | 0 | 0 | 0 | 0 | 0.72 | 3.58 | 6.72 | 2.56 | 0.03 | 0 | 0 | 0 | 13.62 |
| 72 | 0 | 0 | 0 | 0 | 1.09 | 3.73 | 6.62 | 2.8 | 0.1 | 0 | 0 | 0 | 14.34 |
| 73 | 0 | 0 | 0 | 0 | 0.8 | 3.35 | 6.22 | 3.69 | 0.3 | 0 | 0 | 0 | 14.35 |
| 74 | 0 | 0 | 0 | 0 | 1.36 | 4.97 | 6.05 | 2.31 | 0.04 | 0 | 0 | 0 | 14.73 |
| 75 | 0 | 0 | 0 | 0 | 0.57 | 2.62 | 5.96 | 3.99 | 0.47 | 0 | 0 | 0 | 13.61 |
| 76 | 0 | 0 | 0 | 0 | 1.14 | 3.91 | 6.09 | 2.69 | 0.1 | 0 | 0 | 0 | 13.93 |
| 77 | 0 | 0 | 0 | 0 | 0.94 | 4.11 | 6.33 | 3.4 | 0.2 | 0 | 0 | 0 | 14.97 |
| 78 | 0 | 0 | 0 | 0 | 0.85 | 3.85 | 6.7 | 3.28 | 0.24 | 0 | 0 | 0 | 14.92 |
| 79 | 0 | 0 | 0 | 0 | 0.9 | 3.55 | 6.32 | 3.12 | 0.23 | 0 | 0 | 0 | 14.12 |
| 80 | 0 | 0 | 0 | 0 | 0.64 | 3.22 | 6.82 | 4.15 | 0.45 | 0 | 0 | 0 | 15.28 |
| 81 | 0 | 0 | 0 | 0.1 | 1.24 | 4.95 | 5.96 | 1.9 | 0.01 | 0 | 0 | 0 | 14.17 |
| 82 | 0 | 0 | 0 | 0 | 0.87 | 3.38 | 6.03 | 3.38 | 0.23 | 0 | 0 | 0 | 13.89 |
| 83 | 0 | 0 | 0 | 0 | 0.57 | 2.61 | 6.24 | 4.18 | 0.53 | 0 | 0 | 0 | 14.15 |
| 84 | 0 | 0 | 0 | 0.02 | 1.51 | 4.1 | 6.33 | 2.38 | 0.05 | 0 | 0 | 0 | 14.39 |
| 85 | 0 | 0 | 0 | 0.03 | 1.23 | 4.45 | 6.32 | 2.38 | 0.03 | 0 | 0 | 0 | 14.45 |
| 86 | 0 | 0 | 0 | 0 | 0.67 | 3.31 | 5.75 | 3.3 | 0.15 | 0 | 0 | 0 | 13.17 |
| 87 | 0 | 0 | 0 | 0 | 1.02 | 3.9 | 5.69 | 2.64 | 0.12 | 0 | 0 | 0 | 13.37 |
| 88 | 0 | 0 | 0 | 0 | 0.83 | 3.58 | 6.15 | 3.52 | 0.24 | 0 | 0 | 0 | 14.32 |
| 89 | 0 | 0 | 0 | 0.27 | 1.42 | 4.65 | 5.84 | 1.15 | 0 | 0 | 0 | 0 | 13.34 |
| 90 | 0 | 0 | 0 | 0 | 0.97 | 4.5 | 5.89 | 2.75 | 0.16 | 0 | 0 | 0 | 14.27 |
| 91 | 0 | 0 | 0 | 0 | 0.97 | 3.34 | 6.14 | 3.19 | 0.18 | 0 | 0 | 0 | 13.83 |
| 92 | 0 | 0 | 0 | 0.4 | 1.73 | 4.43 | 4.72 | 0.81 | 0 | 0 | 0 | 0 | 12.09 |
| 93 | 0 | 0 | 0 | 0 | 1.24 | 3.95 | 6.12 | 2.44 | 0.04 | 0 | 0 | 0 | 13.8 |
| 94 | 0 | 0 | 0 | 0 | 1.09 | 4.64 | 6.64 | 3.29 | 0.14 | 0 | 0 | 0 | 15.79 |
| 95 | 0 | 0 | 0 | 0 | 0.52 | 2.46 | 5.93 | 4.57 | 0.48 | 0 | 0 | 0 | 13.97 |
| 96 | 0 | 0 | 0 | 0.17 | 1.59 | 5.22 | 6.28 | 1.7 | 0 | 0 | 0 | 0 | 14.96 |
| 97 | 0 | 0 | 0 | 0 | 1.29 | 3.73 | 6.03 | 2.64 | 0.09 | 0 | 0 | 0 | 13.79 |
| 98 | 0 | 0 | 0 | 0 | 0.86 | 3.21 | 6.58 | 3.6 | 0.29 | 0 | 0 | 0 | 14.54 |
| 99 | 0 | 0 | 0 | 0 | 0.93 | 3.55 | 6.11 | 3.28 | 0.21 | 0 | 0 | 0 | 14.08 |
| 0 | 0 | 0 | 0 | 0.37 | 2.03 | 5.42 | 5.14 | 1.02 | 0 | 0 | 0 | 0 | 13.99 |
| 1 | 0 | 0 | 0 | 0.1 | 1.45 | 4.78 | 6.33 | 1.92 | 0.01 | 0 | 0 | 0 | 14.59 |
| 2 | 0 | 0 | 0 | 0.48 | 1.88 | 6 | 5.25 | 0.76 | 0 | 0 | 0 | 0 | 14.36 |
| 3 | 0 | 0 | 0 | 0 | 1.17 | 4.15 | 7.6 | 3.29 | 0.14 | 0 | 0 | 0 | 16.35 |
| 4 | 0 | 0 | 0 | 0 | 1.31 | 4.26 | 6.05 | 2.29 | 0.03 | 0 | 0 | 0 | 13.95 |
| 5 | 0 | 0 | 0 | 0 | 1.15 | 3.29 | 6.98 | 2.71 | 0.09 | 0 | 0 | 0 | 14.22 |
| 6 | 0 | 0 | 0 | 0.25 | 1.63 | 5.68 | 5.7 | 1.22 | 0 | 0 | 0 | 0 | 14.47 |
| 7 | 0 | 0 | 0 | 0 | 1.27 | 4.82 | 7.16 | 2.85 | 0.07 | 0 | 0 | 0 | 16.18 |
| 8 | 0 | 0 | 0 | 0.01 | 1.16 | 4.53 | 6.54 | 2.63 | 0.03 | 0 | 0 | 0 | 14.9 |
| AV | 0 | 0 | 0 | 0.07 | 1.16 | 4.14 | 6.18 | 2.54 | 0.11 | 0 | 0 | 0 | 14.19 |

EFFECTIVE PRECIPITATION, Inches

McGaffey Weather Station

| YR | Spring Grain | | | | | | | | | | | | ANNUAL |
|----|--------------|-----|------|------|------|------|------|------|------|------|------|------|--------|
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| 49 | 0 | 0 | 0 | 0 | 0.57 | 1.49 | 3.58 | 2.01 | 0.07 | 0 | 0 | 0 | 7.72 |
| 50 | 0 | 0 | 0 | 0 | 0 | 0.27 | 1.84 | 0.41 | 0.1 | 0 | 0 | 0 | 2.62 |
| 51 | 0 | 0 | 0 | 0 | 0.3 | 0 | 0.96 | 1.33 | 0.07 | 0 | 0 | 0 | 2.66 |
| 52 | 0 | 0 | 0 | 0.06 | 0 | 1.34 | 2.81 | 1.36 | 0 | 0 | 0 | 0 | 5.57 |
| 53 | 0 | 0 | 0 | 0 | 0.07 | 0.18 | 2.72 | 1.01 | 0 | 0 | 0 | 0 | 3.98 |
| 54 | 0 | 0 | 0 | 0.06 | 0.81 | 0 | 1.35 | 0.59 | 0 | 0 | 0 | 0 | 2.81 |
| 55 | 0 | 0 | 0 | 0 | 0.31 | 0.53 | 2.54 | 1.88 | 0 | 0 | 0 | 0 | 5.26 |
| 56 | 0 | 0 | 0 | 0 | 0.31 | 0 | 1.82 | 1.8 | 0 | 0 | 0 | 0 | 3.93 |
| 57 | 0 | 0 | 0 | 0 | 0.46 | 0.45 | 2.54 | 0.07 | 0 | 0 | 0 | 0 | 3.52 |
| 58 | 0 | 0 | 0 | 0.05 | 0.16 | 1.01 | 1.33 | 2.28 | 0.01 | 0 | 0 | 0 | 4.84 |
| 59 | 0 | 0 | 0 | 0.16 | 0 | 1.02 | 1.17 | 1.58 | 0 | 0 | 0 | 0 | 3.93 |
| 60 | 0 | 0 | 0 | 0 | 0.51 | 0.61 | 0.51 | 0.25 | 0.04 | 0 | 0 | 0 | 1.92 |
| 61 | 0 | 0 | 0 | 0.02 | 0 | 0 | 2.29 | 2.23 | 0 | 0 | 0 | 0 | 4.54 |
| 62 | 0 | 0 | 0 | 0 | 0.16 | 0 | 1.02 | 0.55 | 0 | 0 | 0 | 0 | 1.73 |
| 63 | 0 | 0 | 0 | 0 | 0 | 0 | 1.26 | 2.06 | 0.01 | 0 | 0 | 0 | 3.33 |
| 64 | 0 | 0 | 0 | 0 | 0.14 | 0 | 2.01 | 2.58 | 0.13 | 0 | 0 | 0 | 4.86 |
| 65 | 0 | 0 | 0 | 0 | 0.47 | 1.07 | 2.83 | 1.72 | 0.36 | 0 | 0 | 0 | 6.45 |
| 66 | 0 | 0 | 0 | 0.11 | 0.08 | 0.37 | 1.69 | 1.12 | 0 | 0 | 0 | 0 | 3.37 |
| 67 | 0 | 0 | 0 | 0 | 0.13 | 1.69 | 2.99 | 2.27 | 0.13 | 0 | 0 | 0 | 7.21 |
| 68 | 0 | 0 | 0 | 0 | 0.21 | 0.19 | 2.54 | 0.79 | 0 | 0 | 0 | 0 | 3.73 |
| 69 | 0 | 0 | 0 | 0 | 0.57 | 0.19 | 2.31 | 2.21 | 0.03 | 0 | 0 | 0 | 5.31 |
| 70 | 0 | 0 | 0 | 0 | 0.1 | 0.35 | 2.91 | 2.29 | 0.04 | 0 | 0 | 0 | 5.69 |
| 71 | 0 | 0 | 0 | 0 | 0 | 0 | 1.2 | 2.27 | 0.03 | 0 | 0 | 0 | 3.5 |
| 72 | 0 | 0 | 0 | 0 | 0 | 1.28 | 2.09 | 0.63 | 0.03 | 0 | 0 | 0 | 4.03 |
| 73 | 0 | 0 | 0 | 0 | 0.8 | 0.58 | 1.39 | 0.94 | 0.3 | 0 | 0 | 0 | 4.01 |
| 74 | 0 | 0 | 0 | 0 | 0.24 | 0 | 2.5 | 1.29 | 0 | 0 | 0 | 0 | 4.03 |
| 75 | 0 | 0 | 0 | 0 | 0.31 | 0 | 2.68 | 0.59 | 0.47 | 0 | 0 | 0 | 4.05 |
| 76 | 0 | 0 | 0 | 0 | 0.35 | 0 | 1.23 | 1.5 | 0.1 | 0 | 0 | 0 | 3.18 |
| 77 | 0 | 0 | 0 | 0 | 0.19 | 0.44 | 1.48 | 0.99 | 0.2 | 0 | 0 | 0 | 3.3 |
| 78 | 0 | 0 | 0 | 0 | 0.63 | 0.09 | 0.95 | 0.42 | 0.24 | 0 | 0 | 0 | 2.33 |
| 79 | 0 | 0 | 0 | 0 | 0.9 | 0.27 | 0.21 | 1.11 | 0.05 | 0 | 0 | 0 | 2.54 |
| 80 | 0 | 0 | 0 | 0 | 0.01 | 0 | 0.95 | 1.11 | 0.38 | 0 | 0 | 0 | 2.45 |
| 81 | 0 | 0 | 0 | 0.1 | 0.69 | 0.09 | 3 | 1.55 | 0.01 | 0 | 0 | 0 | 5.44 |
| 82 | 0 | 0 | 0 | 0 | 0.74 | 0 | 1.59 | 2.21 | 0.23 | 0 | 0 | 0 | 4.77 |
| 83 | 0 | 0 | 0 | 0 | 0.31 | 0 | 1.61 | 1.63 | 0.53 | 0 | 0 | 0 | 4.08 |
| 84 | 0 | 0 | 0 | 0 | 0.16 | 0.35 | 1.84 | 2.25 | 0.05 | 0 | 0 | 0 | 4.65 |
| 85 | 0 | 0 | 0 | 0.02 | 0.64 | 0.45 | 1.99 | 1.18 | 0.03 | 0 | 0 | 0 | 4.31 |
| 86 | 0 | 0 | 0 | 0 | 0.39 | 1.8 | 1.5 | 1.92 | 0.15 | 0 | 0 | 0 | 5.76 |
| 87 | 0 | 0 | 0 | 0 | 1.02 | 0.27 | 1.85 | 2.64 | 0.12 | 0 | 0 | 0 | 5.9 |
| 88 | 0 | 0 | 0 | 0 | 0.16 | 2.23 | 2.31 | 2.06 | 0.24 | 0 | 0 | 0 | 7 |
| 89 | 0 | 0 | 0 | 0 | 0 | 0 | 2.47 | 0.71 | 0 | 0 | 0 | 0 | 3.18 |
| 90 | 0 | 0 | 0 | 0 | 0.75 | 0.69 | 2.87 | 2.35 | 0.16 | 0 | 0 | 0 | 6.82 |
| 91 | 0 | 0 | 0 | 0 | 0 | 0.78 | 2.31 | 1.3 | 0.18 | 0 | 0 | 0 | 4.57 |
| 92 | 0 | 0 | 0 | 0.4 | 1.73 | 0.09 | 1.14 | 0.81 | 0 | 0 | 0 | 0 | 4.17 |
| 93 | 0 | 0 | 0 | 0 | 1.24 | 0 | 0.21 | 2.31 | 0.04 | 0 | 0 | 0 | 3.8 |
| 94 | 0 | 0 | 0 | 0 | 1.09 | 0.84 | 0.41 | 1.37 | 0.14 | 0 | 0 | 0 | 3.85 |
| 95 | 0 | 0 | 0 | 0 | 0.52 | 0.08 | 1.14 | 4.02 | 0.48 | 0 | 0 | 0 | 6.24 |
| 96 | 0 | 0 | 0 | 0.01 | 0 | 0.87 | 2.26 | 1.7 | 0 | 0 | 0 | 0 | 4.84 |
| 97 | 0 | 0 | 0 | 0 | 0.73 | 1.07 | 2.82 | 2.64 | 0.09 | 0 | 0 | 0 | 7.35 |
| 98 | 0 | 0 | 0 | 0 | 0.04 | 0 | 2.64 | 1.13 | 0.21 | 0 | 0 | 0 | 4.02 |
| 99 | 0 | 0 | 0 | 0 | 0.5 | 1.13 | 4.03 | 3.28 | 0.21 | 0 | 0 | 0 | 9.15 |
| 0 | 0 | 0 | 0 | 0 | 0 | 1.41 | 0.86 | 1.02 | 0 | 0 | 0 | 0 | 3.29 |
| 1 | 0 | 0 | 0 | 0.09 | 0.31 | 0.37 | 1.4 | 1.92 | 0 | 0 | 0 | 0 | 4.09 |
| 2 | 0 | 0 | 0 | 0.26 | 0.08 | 0 | 3.9 | 0.76 | 0 | 0 | 0 | 0 | 5 |
| 3 | 0 | 0 | 0 | 0 | 0 | 0.44 | 1.17 | 1.74 | 0.12 | 0 | 0 | 0 | 3.47 |
| 4 | 0 | 0 | 0 | 0 | 0 | 0.27 | 0.83 | 1.53 | 0.03 | 0 | 0 | 0 | 2.66 |
| 5 | 0 | 0 | 0 | 0 | 0.14 | 0.18 | 0.52 | 2.71 | 0.09 | 0 | 0 | 0 | 3.64 |
| 6 | 0 | 0 | 0 | 0 | 0.17 | 0.3 | 3.7 | 1.22 | 0 | 0 | 0 | 0 | 5.39 |
| 7 | 0 | 0 | 0 | 0 | 0.87 | 0.37 | 3.14 | 1.52 | 0.07 | 0 | 0 | 0 | 5.97 |
| 8 | 0 | 0 | 0 | 0 | 1 | 0.28 | 1.94 | 1.56 | 0 | 0 | 0 | 0 | 4.78 |
| AV | 0 | 0 | 0.00 | 0.02 | 0.37 | 0.46 | 1.92 | 1.57 | 0.10 | 0.00 | 0.00 | 0.00 | 4.44 |

MODIFIED B-C CONSUMPTIVE USE OF IRRIGATION WATER

McGaffey Weather Station

Spring Grain

| Year | Crop Irrigation Requirement (inches) | | | | | | | | | | | | Total |
|------|--------------------------------------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| | January | February | March | April | May | June | July | August | September | October | November | December | |
| 49 | 0 | 0 | 0 | 0 | 0.57 | 2.47 | 2.75 | 0.61 | 0 | 0 | 0 | 0 | 6.4 |
| 50 | 0 | 0 | 0 | 0 | 0.88 | 3.67 | 4.49 | 2.46 | 0 | 0 | 0 | 0 | 11.51 |
| 51 | 0 | 0 | 0 | 0 | 0.94 | 3.91 | 6.1 | 1.35 | 0 | 0 | 0 | 0 | 12.3 |
| 52 | 0 | 0 | 0 | 0 | 1.28 | 3.23 | 3.52 | 0.99 | 0.02 | 0 | 0 | 0 | 9.04 |
| 53 | 0 | 0 | 0 | 0 | 0.41 | 2.82 | 3.95 | 2.62 | 0.28 | 0 | 0 | 0 | 10.08 |
| 54 | 0 | 0 | 0 | 0.5 | 1.51 | 5.43 | 3.31 | 0 | 0 | 0 | 0 | 0 | 10.75 |
| 55 | 0 | 0 | 0 | 0.05 | 1.14 | 3.94 | 3.29 | 0.56 | 0.03 | 0 | 0 | 0 | 9.01 |
| 56 | 0 | 0 | 0 | 0.05 | 1.1 | 4.91 | 4.25 | 0.42 | 0.02 | 0 | 0 | 0 | 10.77 |
| 57 | 0 | 0 | 0 | 0 | 0.41 | 4.14 | 1.61 | 0 | 0 | 0 | 0 | 0 | 6.15 |
| 58 | 0 | 0 | 0 | 0.03 | 1.35 | 3.9 | 5.07 | 0 | 0 | 0 | 0 | 0 | 10.35 |
| 59 | 0 | 0 | 0 | 0 | 1.32 | 4.14 | 5.18 | 0 | 0 | 0 | 0 | 0 | 10.64 |
| 60 | 0 | 0 | 0 | 0.05 | 0.7 | 3.79 | 6.2 | 2.46 | 0 | 0 | 0 | 0 | 13.19 |
| 61 | 0 | 0 | 0 | 0.07 | 1.35 | 4.96 | 4.25 | 0 | 0.01 | 0 | 0 | 0 | 10.65 |
| 62 | 0 | 0 | 0 | 0.38 | 1.46 | 4.98 | 4.08 | 0.34 | 0 | 0 | 0 | 0 | 11.24 |
| 63 | 0 | 0 | 0 | 0.08 | 1.52 | 4.34 | 5.33 | 0 | 0 | 0 | 0 | 0 | 11.26 |
| 64 | 0 | 0 | 0 | 0 | 1.02 | 3.77 | 4.51 | 0.3 | 0 | 0 | 0 | 0 | 9.6 |
| 65 | 0 | 0 | 0 | 0 | 0.15 | 1.36 | 3.25 | 2.03 | 0 | 0 | 0 | 0 | 6.8 |
| 66 | 0 | 0 | 0 | 0.06 | 1.4 | 4.29 | 4.59 | 0.53 | 0 | 0 | 0 | 0 | 10.87 |
| 67 | 0 | 0 | 0 | 0 | 0.89 | 1.82 | 3.67 | 0.65 | 0 | 0 | 0 | 0 | 7.02 |
| 68 | 0 | 0 | 0 | 0 | 0.7 | 4.26 | 2.89 | 0 | 0 | 0 | 0 | 0 | 7.84 |
| 69 | 0 | 0 | 0 | 0.05 | 0.59 | 4.05 | 4.35 | 0.33 | 0 | 0 | 0 | 0 | 9.36 |
| 70 | 0 | 0 | 0 | 0 | 0.83 | 3.39 | 3.67 | 0.44 | 0 | 0 | 0 | 0 | 8.33 |
| 71 | 0 | 0 | 0 | 0 | 0.72 | 3.58 | 5.52 | 0.29 | 0 | 0 | 0 | 0 | 10.11 |
| 72 | 0 | 0 | 0 | 0 | 1.09 | 2.45 | 4.53 | 2.17 | 0.07 | 0 | 0 | 0 | 10.31 |
| 73 | 0 | 0 | 0 | 0 | 0 | 2.77 | 4.83 | 2.75 | 0 | 0 | 0 | 0 | 10.35 |
| 74 | 0 | 0 | 0 | 0 | 1.12 | 4.97 | 3.55 | 1.02 | 0.04 | 0 | 0 | 0 | 10.7 |
| 75 | 0 | 0 | 0 | 0 | 0.26 | 2.62 | 3.28 | 3.4 | 0 | 0 | 0 | 0 | 9.56 |
| 76 | 0 | 0 | 0 | 0 | 0.79 | 3.91 | 4.86 | 1.19 | 0 | 0 | 0 | 0 | 10.75 |
| 77 | 0 | 0 | 0 | 0 | 0.75 | 3.67 | 4.85 | 2.41 | 0 | 0 | 0 | 0 | 11.68 |
| 78 | 0 | 0 | 0 | 0 | 0.22 | 3.76 | 5.75 | 2.86 | 0 | 0 | 0 | 0 | 12.59 |
| 79 | 0 | 0 | 0 | 0 | 0 | 3.28 | 6.11 | 2.01 | 0.18 | 0 | 0 | 0 | 11.58 |
| 80 | 0 | 0 | 0 | 0 | 0.63 | 3.22 | 5.87 | 3.04 | 0.07 | 0 | 0 | 0 | 12.83 |
| 81 | 0 | 0 | 0 | 0 | 0.55 | 4.86 | 2.96 | 0.35 | 0 | 0 | 0 | 0 | 8.71 |
| 82 | 0 | 0 | 0 | 0 | 0.13 | 3.38 | 4.44 | 1.17 | 0 | 0 | 0 | 0 | 9.12 |
| 83 | 0 | 0 | 0 | 0 | 0.26 | 2.61 | 4.63 | 2.55 | 0 | 0 | 0 | 0 | 10.05 |
| 84 | 0 | 0 | 0 | 0.02 | 1.35 | 3.75 | 4.49 | 0.13 | 0 | 0 | 0 | 0 | 9.73 |
| 85 | 0 | 0 | 0 | 0.01 | 0.59 | 4 | 4.33 | 1.2 | 0 | 0 | 0 | 0 | 10.14 |
| 86 | 0 | 0 | 0 | 0 | 0.28 | 1.51 | 4.25 | 1.38 | 0 | 0 | 0 | 0 | 7.42 |
| 87 | 0 | 0 | 0 | 0 | 0 | 3.63 | 3.84 | 0 | 0 | 0 | 0 | 0 | 7.47 |
| 88 | 0 | 0 | 0 | 0 | 0.67 | 1.35 | 3.84 | 1.46 | 0 | 0 | 0 | 0 | 7.33 |
| 89 | 0 | 0 | 0 | 0.27 | 1.42 | 4.65 | 3.37 | 0.44 | 0 | 0 | 0 | 0 | 10.16 |
| 90 | 0 | 0 | 0 | 0 | 0.22 | 3.81 | 3.02 | 0.4 | 0 | 0 | 0 | 0 | 7.45 |
| 91 | 0 | 0 | 0 | 0 | 0.97 | 2.56 | 3.83 | 1.89 | 0 | 0 | 0 | 0 | 9.25 |
| 92 | 0 | 0 | 0 | 0 | 0 | 4.34 | 3.58 | 0 | 0 | 0 | 0 | 0 | 7.92 |
| 93 | 0 | 0 | 0 | 0 | 0 | 3.95 | 5.91 | 0.13 | 0 | 0 | 0 | 0 | 9.99 |
| 94 | 0 | 0 | 0 | 0 | 0 | 3.8 | 6.23 | 1.92 | 0 | 0 | 0 | 0 | 11.94 |
| 95 | 0 | 0 | 0 | 0 | 0 | 2.38 | 4.79 | 0.55 | 0 | 0 | 0 | 0 | 7.71 |
| 96 | 0 | 0 | 0 | 0.16 | 1.59 | 4.35 | 4.02 | 0 | 0 | 0 | 0 | 0 | 10.12 |
| 97 | 0 | 0 | 0 | 0 | 0.56 | 2.66 | 3.21 | 0 | 0 | 0 | 0 | 0 | 6.43 |
| 98 | 0 | 0 | 0 | 0 | 0.82 | 3.21 | 3.94 | 2.47 | 0.08 | 0 | 0 | 0 | 10.52 |
| 99 | 0 | 0 | 0 | 0 | 0.43 | 2.42 | 2.08 | 0 | 0 | 0 | 0 | 0 | 4.92 |
| 0 | 0 | 0 | 0 | 0.37 | 2.03 | 4.01 | 4.28 | 0 | 0 | 0 | 0 | 0 | 10.7 |
| 1 | 0 | 0 | 0 | 0.01 | 1.14 | 4.41 | 4.93 | 0 | 0.01 | 0 | 0 | 0 | 10.5 |
| 2 | 0 | 0 | 0 | 0.22 | 1.8 | 6 | 1.35 | 0 | 0 | 0 | 0 | 0 | 9.36 |
| 3 | 0 | 0 | 0 | 0 | 1.17 | 3.71 | 6.43 | 1.55 | 0.02 | 0 | 0 | 0 | 12.88 |
| 4 | 0 | 0 | 0 | 0 | 1.31 | 3.99 | 5.22 | 0.76 | 0 | 0 | 0 | 0 | 11.28 |
| 5 | 0 | 0 | 0 | 0 | 1.01 | 3.11 | 6.46 | 0 | 0 | 0 | 0 | 0 | 10.58 |
| 6 | 0 | 0 | 0 | 0.25 | 1.46 | 5.38 | 2 | 0 | 0 | 0 | 0 | 0 | 9.09 |
| 7 | 0 | 0 | 0 | 0 | 0.4 | 4.45 | 4.02 | 1.33 | 0 | 0 | 0 | 0 | 10.19 |
| 8 | 0 | 0 | 0 | 0.01 | 0.16 | 4.25 | 4.6 | 1.07 | 0.03 | 0 | 0 | 0 | 10.14 |
| AV | 0 | 0 | 0 | 0.04 | 0.79 | 3.67 | 4.26 | 0.97 | 0.01 | 0 | 0 | 0 | 9.74 |

MODIFIED B-C GROSS CONSUMPTIVE USE

McGaffey Weather Station

Small Vegetables/Misc. Crops

| Year | Crop Potential Evapotranspiration (inches) | | | | | | | | | | | | | Total |
|------|--|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|-------|
| | January | February | March | April | May | June | July | August | September | October | November | December | | |
| 49 | 0 | 0 | 0 | 0 | 0.27 | 2.1 | 3.95 | 3.49 | 1.34 | 0 | 0 | 0 | 11.16 | |
| 50 | 0 | 0 | 0 | 0 | 0.21 | 2.28 | 4 | 3.14 | 0.43 | 0 | 0 | 0 | 10.05 | |
| 51 | 0 | 0 | 0 | 0 | 0.49 | 2.38 | 4.55 | 3.26 | 0.46 | 0 | 0 | 0 | 11.14 | |
| 52 | 0 | 0 | 0 | 0 | 0.53 | 2.61 | 4.14 | 3.48 | 0.75 | 0 | 0 | 0 | 11.51 | |
| 53 | 0 | 0 | 0 | 0 | 0.14 | 2.21 | 4.1 | 3.27 | 0.79 | 0 | 0 | 0 | 10.51 | |
| 54 | 0 | 0 | 0 | 0 | 1.15 | 3.12 | 4.09 | 2.06 | 0 | 0 | 0 | 0 | 10.42 | |
| 55 | 0 | 0 | 0 | 0 | 0.84 | 2.72 | 3.76 | 3.52 | 1.29 | 0 | 0 | 0 | 12.12 | |
| 56 | 0 | 0 | 0 | 0 | 0.79 | 2.94 | 3.97 | 3.36 | 1.09 | 0 | 0 | 0 | 12.16 | |
| 57 | 0 | 0 | 0 | 0 | 0.21 | 2.68 | 3.98 | 0.33 | 0 | 0 | 0 | 0 | 7.2 | |
| 58 | 0 | 0 | 0 | 0 | 0.93 | 3.02 | 4.27 | 3.54 | 0.77 | 0 | 0 | 0 | 12.53 | |
| 59 | 0 | 0 | 0 | 0 | 0.54 | 2.73 | 4.36 | 3.32 | 1.05 | 0 | 0 | 0 | 12.01 | |
| 60 | 0 | 0 | 0 | 0 | 0.41 | 2.37 | 4.22 | 4.03 | 1.8 | 0 | 0 | 0 | 12.84 | |
| 61 | 0 | 0 | 0 | 0 | 0.68 | 3.04 | 4.38 | 3.15 | 0.15 | 0 | 0 | 0 | 11.39 | |
| 62 | 0 | 0 | 0 | 0 | 0.4 | 2.54 | 4.04 | 2.8 | 0 | 0 | 0 | 0 | 9.78 | |
| 63 | 0 | 0 | 0 | 0 | 0.89 | 2.44 | 4.26 | 3.5 | 2.17 | 0.25 | 0 | 0 | 13.51 | |
| 64 | 0 | 0 | 0 | 0 | 0.55 | 2.33 | 4.12 | 3.24 | 0.98 | 0 | 0 | 0 | 11.22 | |
| 65 | 0 | 0 | 0 | 0 | 0 | 1.15 | 3.55 | 3.35 | 1.01 | 0 | 0 | 0 | 9.06 | |
| 66 | 0 | 0 | 0 | 0 | 0.82 | 2.49 | 4.32 | 3.8 | 1.89 | 0.12 | 0 | 0 | 13.44 | |
| 67 | 0 | 0 | 0 | 0 | 0.21 | 1.93 | 4.17 | 3.27 | 0.75 | 0 | 0 | 0 | 10.32 | |
| 68 | 0 | 0 | 0 | 0 | 0.31 | 2.64 | 3.88 | 1.64 | 0 | 0 | 0 | 0 | 8.47 | |
| 69 | 0 | 0 | 0 | 0 | 0.32 | 2.16 | 4.15 | 3.81 | 1.51 | 0 | 0 | 0 | 11.95 | |
| 70 | 0 | 0 | 0 | 0 | 0.36 | 2.32 | 4.21 | 3.28 | 0.3 | 0 | 0 | 0 | 10.48 | |
| 71 | 0 | 0 | 0 | 0 | 0.14 | 2.08 | 4.26 | 3.09 | 0.24 | 0 | 0 | 0 | 9.81 | |
| 72 | 0 | 0 | 0 | 0 | 0.26 | 2.05 | 4.13 | 3.38 | 1.08 | 0 | 0 | 0 | 10.9 | |
| 73 | 0 | 0 | 0 | 0 | 0.27 | 2.09 | 3.78 | 3.49 | 1.32 | 0 | 0 | 0 | 10.95 | |
| 74 | 0 | 0 | 0 | 0 | 0.71 | 2.89 | 3.82 | 3.27 | 1.58 | 0 | 0 | 0 | 12.27 | |
| 75 | 0 | 0 | 0 | 0 | 0.07 | 1.71 | 3.64 | 3.36 | 1.24 | 0 | 0 | 0 | 10.02 | |
| 76 | 0 | 0 | 0 | 0 | 0.37 | 2.18 | 3.77 | 3.3 | 1.59 | 0 | 0 | 0 | 11.21 | |
| 77 | 0 | 0 | 0 | 0 | 0.25 | 2.3 | 3.9 | 3.67 | 1.33 | 0 | 0 | 0 | 11.44 | |
| 78 | 0 | 0 | 0 | 0 | 0.23 | 2.24 | 4.12 | 3.28 | 1.13 | 0 | 0 | 0 | 10.99 | |
| 79 | 0 | 0 | 0 | 0 | 0.21 | 1.84 | 3.74 | 3.34 | 2.2 | 0.2 | 0 | 0 | 11.54 | |
| 80 | 0 | 0 | 0 | 0 | 0.19 | 2.15 | 4.15 | 3.58 | 1.33 | 0 | 0 | 0 | 11.41 | |
| 81 | 0 | 0 | 0 | 0 | 0.45 | 2.47 | 3.85 | 3.46 | 1.87 | 0.11 | 0 | 0 | 12.21 | |
| 82 | 0 | 0 | 0 | 0 | 0.15 | 1.73 | 3.62 | 3.58 | 1.78 | 0 | 0 | 0 | 10.86 | |
| 83 | 0 | 0 | 0 | 0 | 0.07 | 1.71 | 3.82 | 3.51 | 1.35 | 0 | 0 | 0 | 10.47 | |
| 84 | 0 | 0 | 0 | 0 | 0.89 | 2.5 | 4.03 | 3.35 | 1.66 | 0 | 0 | 0 | 12.43 | |
| 85 | 0 | 0 | 0 | 0 | 0.46 | 2.61 | 4.09 | 3.2 | 0.35 | 0 | 0 | 0 | 10.72 | |
| 86 | 0 | 0 | 0 | 0 | 0.14 | 2.02 | 3.57 | 3.31 | 0.53 | 0 | 0 | 0 | 9.58 | |
| 87 | 0 | 0 | 0 | 0 | 0.25 | 2.18 | 3.56 | 2.98 | 0.77 | 0 | 0 | 0 | 9.73 | |
| 88 | 0 | 0 | 0 | 0 | 0.23 | 2.21 | 3.82 | 3.33 | 0.69 | 0 | 0 | 0 | 10.28 | |
| 89 | 0 | 0 | 0 | 0 | 0.67 | 2.58 | 4.33 | 3.03 | 0.45 | 0 | 0 | 0 | 11.07 | |
| 90 | 0 | 0 | 0 | 0 | 0.3 | 2.41 | 3.58 | 3.13 | 1.93 | 0.03 | 0 | 0 | 11.38 | |
| 91 | 0 | 0 | 0 | 0 | 0.21 | 1.9 | 3.82 | 3.32 | 0.78 | 0 | 0 | 0 | 10.03 | |
| 92 | 0 | 0 | 0 | 0 | 0.55 | 2.42 | 3.76 | 2.25 | 0 | 0 | 0 | 0 | 8.98 | |
| 93 | 0 | 0 | 0 | 0 | 0.47 | 2.33 | 3.95 | 3.15 | 0.45 | 0 | 0 | 0 | 10.35 | |
| 94 | 0 | 0 | 0 | 0 | 0.43 | 2.8 | 4.2 | 3.64 | 0.84 | 0 | 0 | 0 | 11.92 | |
| 95 | 0 | 0 | 0 | 0 | 0.02 | 1.58 | 3.63 | 3.87 | 1.16 | 0 | 0 | 0 | 10.25 | |
| 96 | 0 | 0 | 0 | 0 | 1.04 | 3.09 | 4.37 | 3.51 | 0.96 | 0 | 0 | 0 | 12.96 | |
| 97 | 0 | 0 | 0 | 0 | 0.66 | 2.29 | 3.83 | 3.3 | 1.38 | 0 | 0 | 0 | 11.46 | |
| 98 | 0 | 0 | 0 | 0 | 0.19 | 1.77 | 3.99 | 3.66 | 1.8 | 0 | 0 | 0 | 11.41 | |
| 99 | 0 | 0 | 0 | 0 | 0.26 | 2.12 | 3.8 | 3.29 | 0.81 | 0 | 0 | 0 | 10.28 | |
| 0 | 0 | 0 | 0 | 0 | 1.25 | 3.01 | 3.99 | 3.69 | 1.56 | 0 | 0 | 0 | 13.5 | |
| 1 | 0 | 0 | 0 | 0 | 0.84 | 2.96 | 4.3 | 3 | 0.37 | 0 | 0 | 0 | 11.48 | |
| 2 | 0 | 0 | 0 | 0 | 0.54 | 2.84 | 4.31 | 3.58 | 1.13 | 0 | 0 | 0 | 12.4 | |
| 3 | 0 | 0 | 0 | 0 | 0.57 | 2.64 | 4.86 | 3.54 | 0.63 | 0 | 0 | 0 | 12.24 | |
| 4 | 0 | 0 | 0 | 0 | 0.64 | 2.72 | 3.92 | 2.88 | 0.24 | 0 | 0 | 0 | 10.39 | |
| 5 | 0 | 0 | 0 | 0 | 0.26 | 1.83 | 4.42 | 3.28 | 0.73 | 0 | 0 | 0 | 10.52 | |
| 6 | 0 | 0 | 0 | 0 | 1.1 | 3.3 | 4.15 | 3.08 | 0.84 | 0 | 0 | 0 | 12.46 | |
| 7 | 0 | 0 | 0 | 0 | 0.57 | 2.77 | 4.51 | 3.81 | 1.67 | 0 | 0 | 0 | 13.33 | |
| 8 | 0 | 0 | 0 | 0 | 0.37 | 2.59 | 4.23 | 3.49 | 0.28 | 0 | 0 | 0 | 10.96 | |
| AV | 0 | 0 | 0 | 0 | 0.46 | 2.39 | 4.04 | 3.26 | 0.98 | 0.01 | 0 | 0 | 11.12 | |

EFFECTIVE PRECIPITATION, Inches

McGaffey Weather Station

Small Vegetables/Misc. Crops

| YR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|----|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 49 | 0 | 0 | 0 | 0 | 0.12 | 1.35 | 3.13 | 2.11 | 0.62 | 0 | 0 | 0 | 7.33 |
| 50 | 0 | 0 | 0 | 0 | 0 | 0.24 | 1.62 | 0.42 | 0.24 | 0 | 0 | 0 | 2.52 |
| 51 | 0 | 0 | 0 | 0 | 0.1 | 0 | 0.84 | 1.37 | 0.1 | 0 | 0 | 0 | 2.41 |
| 52 | 0 | 0 | 0 | 0 | 0 | 1.2 | 2.48 | 1.45 | 0.22 | 0 | 0 | 0 | 5.35 |
| 53 | 0 | 0 | 0 | 0 | 0 | 0.17 | 2.36 | 0.99 | 0 | 0 | 0 | 0 | 3.52 |
| 54 | 0 | 0 | 0 | 0 | 0.67 | 0 | 1.3 | 1.34 | 0 | 0 | 0 | 0 | 3.31 |
| 55 | 0 | 0 | 0 | 0 | 0.19 | 0.48 | 2.26 | 2 | 0 | 0 | 0 | 0 | 4.93 |
| 56 | 0 | 0 | 0 | 0 | 0.18 | 0 | 1.61 | 1.92 | 0 | 0 | 0 | 0 | 3.71 |
| 57 | 0 | 0 | 0 | 0 | 0.09 | 0.4 | 2.52 | 0.33 | 0 | 0 | 0 | 0 | 3.34 |
| 58 | 0 | 0 | 0 | 0 | 0.09 | 0.91 | 1.18 | 2.62 | 0.77 | 0 | 0 | 0 | 5.57 |
| 59 | 0 | 0 | 0 | 0 | 0 | 0.89 | 1.04 | 2.03 | 0.11 | 0 | 0 | 0 | 4.07 |
| 60 | 0 | 0 | 0 | 0 | 0.17 | 0.54 | 0.44 | 0.27 | 0.76 | 0 | 0 | 0 | 2.18 |
| 61 | 0 | 0 | 0 | 0 | 0 | 0 | 2.04 | 2.4 | 0 | 0 | 0 | 0 | 4.44 |
| 62 | 0 | 0 | 0 | 0 | 0 | 0 | 0.95 | 0.81 | 0 | 0 | 0 | 0 | 1.76 |
| 63 | 0 | 0 | 0 | 0 | 0 | 0 | 1.11 | 3 | 1.4 | 0.18 | 0 | 0 | 5.69 |
| 64 | 0 | 0 | 0 | 0 | 0.04 | 0 | 1.75 | 2.63 | 0.53 | 0 | 0 | 0 | 4.95 |
| 65 | 0 | 0 | 0 | 0 | 0 | 0.87 | 2.46 | 1.68 | 0.48 | 0 | 0 | 0 | 5.49 |
| 66 | 0 | 0 | 0 | 0 | 0.03 | 0.33 | 1.52 | 1.29 | 1.55 | 0 | 0 | 0 | 4.72 |
| 67 | 0 | 0 | 0 | 0 | 0 | 1.55 | 2.61 | 2.31 | 0.72 | 0 | 0 | 0 | 7.19 |
| 68 | 0 | 0 | 0 | 0 | 0.04 | 0.17 | 2.33 | 1.64 | 0 | 0 | 0 | 0 | 4.18 |
| 69 | 0 | 0 | 0 | 0 | 0.15 | 0.16 | 2.01 | 2.38 | 1.24 | 0 | 0 | 0 | 5.94 |
| 70 | 0 | 0 | 0 | 0 | 0 | 0.32 | 2.55 | 2.37 | 0.15 | 0 | 0 | 0 | 5.39 |
| 71 | 0 | 0 | 0 | 0 | 0 | 0 | 1.04 | 2.34 | 0.24 | 0 | 0 | 0 | 3.62 |
| 72 | 0 | 0 | 0 | 0 | 0 | 1.17 | 1.82 | 0.65 | 0.18 | 0 | 0 | 0 | 3.82 |
| 73 | 0 | 0 | 0 | 0 | 0.27 | 0.53 | 1.21 | 0.93 | 0.77 | 0 | 0 | 0 | 3.71 |
| 74 | 0 | 0 | 0 | 0 | 0.11 | 0 | 2.21 | 1.37 | 0.29 | 0 | 0 | 0 | 3.98 |
| 75 | 0 | 0 | 0 | 0 | 0 | 0 | 2.35 | 0.58 | 0.87 | 0 | 0 | 0 | 3.8 |
| 76 | 0 | 0 | 0 | 0 | 0.09 | 0 | 1.08 | 1.56 | 0.73 | 0 | 0 | 0 | 3.46 |
| 77 | 0 | 0 | 0 | 0 | 0 | 0.4 | 1.29 | 1.01 | 0.76 | 0 | 0 | 0 | 3.46 |
| 78 | 0 | 0 | 0 | 0 | 0.16 | 0.08 | 0.82 | 0.42 | 0.55 | 0 | 0 | 0 | 2.03 |
| 79 | 0 | 0 | 0 | 0 | 0.21 | 0.24 | 0.18 | 1.12 | 0.24 | 0.18 | 0 | 0 | 2.17 |
| 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0.82 | 1.07 | 0.46 | 0 | 0 | 0 | 2.35 |
| 81 | 0 | 0 | 0 | 0 | 0.28 | 0.08 | 2.67 | 1.69 | 1.21 | 0.04 | 0 | 0 | 5.97 |
| 82 | 0 | 0 | 0 | 0 | 0.12 | 0 | 1.4 | 2.23 | 1.28 | 0 | 0 | 0 | 5.03 |
| 83 | 0 | 0 | 0 | 0 | 0 | 0 | 1.41 | 1.57 | 0.88 | 0 | 0 | 0 | 3.86 |
| 84 | 0 | 0 | 0 | 0 | 0.09 | 0.33 | 1.62 | 2.38 | 1.66 | 0 | 0 | 0 | 6.08 |
| 85 | 0 | 0 | 0 | 0 | 0.25 | 0.41 | 1.75 | 1.24 | 0.28 | 0 | 0 | 0 | 3.93 |
| 86 | 0 | 0 | 0 | 0 | 0.04 | 1.67 | 1.33 | 1.91 | 0.51 | 0 | 0 | 0 | 5.46 |
| 87 | 0 | 0 | 0 | 0 | 0.25 | 0.25 | 1.64 | 2.87 | 0.37 | 0 | 0 | 0 | 5.38 |
| 88 | 0 | 0 | 0 | 0 | 0 | 2.07 | 2.03 | 2.04 | 0.3 | 0 | 0 | 0 | 6.44 |
| 89 | 0 | 0 | 0 | 0 | 0 | 0 | 2.27 | 0.91 | 0.1 | 0 | 0 | 0 | 3.28 |
| 90 | 0 | 0 | 0 | 0 | 0.24 | 0.61 | 2.52 | 2.4 | 1.38 | 0 | 0 | 0 | 7.15 |
| 91 | 0 | 0 | 0 | 0 | 0 | 0.73 | 2.03 | 1.31 | 0.78 | 0 | 0 | 0 | 4.85 |
| 92 | 0 | 0 | 0 | 0 | 0.55 | 0.08 | 1.08 | 2.07 | 0 | 0 | 0 | 0 | 3.78 |
| 93 | 0 | 0 | 0 | 0 | 0.47 | 0 | 0.19 | 2.41 | 0.15 | 0 | 0 | 0 | 3.22 |
| 94 | 0 | 0 | 0 | 0 | 0.43 | 0.76 | 0.36 | 1.4 | 0.83 | 0 | 0 | 0 | 3.78 |
| 95 | 0 | 0 | 0 | 0 | 0 | 0.08 | 1.01 | 3.87 | 0.91 | 0 | 0 | 0 | 5.87 |
| 96 | 0 | 0 | 0 | 0 | 0 | 0.78 | 2.03 | 3.22 | 0.96 | 0 | 0 | 0 | 6.99 |
| 97 | 0 | 0 | 0 | 0 | 0.45 | 0.99 | 2.49 | 2.75 | 0.75 | 0 | 0 | 0 | 7.43 |
| 98 | 0 | 0 | 0 | 0 | 0 | 0 | 2.29 | 1.14 | 0.45 | 0 | 0 | 0 | 3.88 |
| 99 | 0 | 0 | 0 | 0 | 0.13 | 1.05 | 3.54 | 3.29 | 0.81 | 0 | 0 | 0 | 8.82 |
| 0 | 0 | 0 | 0 | 0 | 0 | 1.22 | 0.81 | 1.59 | 0.73 | 0 | 0 | 0 | 4.35 |
| 1 | 0 | 0 | 0 | 0 | 0.19 | 0.34 | 1.25 | 3 | 0.1 | 0 | 0 | 0 | 4.88 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 3.7 | 1.82 | 1.06 | 0 | 0 | 0 | 6.58 |
| 3 | 0 | 0 | 0 | 0 | 0 | 0.4 | 1.01 | 1.76 | 0.15 | 0 | 0 | 0 | 3.32 |
| 4 | 0 | 0 | 0 | 0 | 0 | 0.26 | 0.74 | 1.58 | 0.13 | 0 | 0 | 0 | 2.71 |
| 5 | 0 | 0 | 0 | 0 | 0 | 0.17 | 0.45 | 3.28 | 0.37 | 0 | 0 | 0 | 4.27 |
| 6 | 0 | 0 | 0 | 0 | 0.12 | 0.26 | 3.39 | 3.08 | 0.84 | 0 | 0 | 0 | 7.69 |
| 7 | 0 | 0 | 0 | 0 | 0.44 | 0.33 | 2.71 | 1.6 | 0.96 | 0 | 0 | 0 | 6.04 |
| 8 | 0 | 0 | 0 | 0 | 0.34 | 0.25 | 1.7 | 1.63 | 0 | 0 | 0 | 0 | 3.92 |
| AV | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.42 | 1.71 | 1.81 | 0.53 | 0.01 | 0.00 | 0.00 | 4.59 |

MODIFIED B-C CONSUMPTIVE USE OF IRRIGATION WATER

McGaffey Weather Station

Small Vegetables/Misc. Crops

| Year | Crop Irrigation Requirement (inches) | | | | | | | | | | | | | Total |
|------|--------------------------------------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|-------|
| | January | February | March | April | May | June | July | August | September | October | November | December | | |
| 49 | 0 | 0 | 0 | 0 | 0.15 | 0.75 | 0.82 | 1.38 | 0.72 | 0 | 0 | 0 | 3.83 | |
| 50 | 0 | 0 | 0 | 0 | 0.21 | 2.04 | 2.38 | 2.72 | 0.19 | 0 | 0 | 0 | 7.53 | |
| 51 | 0 | 0 | 0 | 0 | 0.39 | 2.38 | 3.71 | 1.89 | 0.36 | 0 | 0 | 0 | 8.73 | |
| 52 | 0 | 0 | 0 | 0 | 0.53 | 1.41 | 1.66 | 2.03 | 0.53 | 0 | 0 | 0 | 6.16 | |
| 53 | 0 | 0 | 0 | 0 | 0.14 | 2.04 | 1.74 | 2.28 | 0.79 | 0 | 0 | 0 | 7 | |
| 54 | 0 | 0 | 0 | 0 | 0.48 | 3.12 | 2.79 | 0.72 | 0 | 0 | 0 | 0 | 7.11 | |
| 55 | 0 | 0 | 0 | 0 | 0.65 | 2.24 | 1.5 | 1.52 | 1.29 | 0 | 0 | 0 | 7.2 | |
| 56 | 0 | 0 | 0 | 0 | 0.61 | 2.94 | 2.36 | 1.44 | 1.09 | 0 | 0 | 0 | 8.45 | |
| 57 | 0 | 0 | 0 | 0 | 0.12 | 2.28 | 1.46 | 0 | 0 | 0 | 0 | 0 | 3.86 | |
| 58 | 0 | 0 | 0 | 0 | 0.84 | 2.11 | 3.09 | 0.92 | 0 | 0 | 0 | 0 | 6.95 | |
| 59 | 0 | 0 | 0 | 0 | 0.54 | 1.84 | 3.32 | 1.29 | 0.94 | 0 | 0 | 0 | 7.93 | |
| 60 | 0 | 0 | 0 | 0 | 0.24 | 1.83 | 3.78 | 3.76 | 1.04 | 0 | 0 | 0 | 10.65 | |
| 61 | 0 | 0 | 0 | 0 | 0.68 | 3.04 | 2.34 | 0.75 | 0.15 | 0 | 0 | 0 | 6.96 | |
| 62 | 0 | 0 | 0 | 0 | 0.4 | 2.54 | 3.09 | 1.99 | 0 | 0 | 0 | 0 | 8.01 | |
| 63 | 0 | 0 | 0 | 0 | 0.89 | 2.44 | 3.15 | 0.5 | 0.77 | 0.07 | 0 | 0 | 7.82 | |
| 64 | 0 | 0 | 0 | 0 | 0.51 | 2.33 | 2.37 | 0.61 | 0.45 | 0 | 0 | 0 | 6.26 | |
| 65 | 0 | 0 | 0 | 0 | 0 | 0.28 | 1.09 | 1.67 | 0.53 | 0 | 0 | 0 | 3.57 | |
| 66 | 0 | 0 | 0 | 0 | 0.79 | 2.16 | 2.8 | 2.51 | 0.34 | 0.12 | 0 | 0 | 8.73 | |
| 67 | 0 | 0 | 0 | 0 | 0.21 | 0.38 | 1.56 | 0.96 | 0.03 | 0 | 0 | 0 | 3.14 | |
| 68 | 0 | 0 | 0 | 0 | 0.27 | 2.47 | 1.55 | 0 | 0 | 0 | 0 | 0 | 4.29 | |
| 69 | 0 | 0 | 0 | 0 | 0.17 | 2 | 2.14 | 1.43 | 0.27 | 0 | 0 | 0 | 6.01 | |
| 70 | 0 | 0 | 0 | 0 | 0.36 | 2 | 1.66 | 0.91 | 0.15 | 0 | 0 | 0 | 5.09 | |
| 71 | 0 | 0 | 0 | 0 | 0.14 | 2.08 | 3.22 | 0.75 | 0 | 0 | 0 | 0 | 6.19 | |
| 72 | 0 | 0 | 0 | 0 | 0.26 | 0.88 | 2.31 | 2.73 | 0.9 | 0 | 0 | 0 | 7.09 | |
| 73 | 0 | 0 | 0 | 0 | 0 | 1.56 | 2.57 | 2.56 | 0.55 | 0 | 0 | 0 | 7.24 | |
| 74 | 0 | 0 | 0 | 0 | 0.6 | 2.89 | 1.61 | 1.9 | 1.29 | 0 | 0 | 0 | 8.29 | |
| 75 | 0 | 0 | 0 | 0 | 0.07 | 1.71 | 1.29 | 2.78 | 0.37 | 0 | 0 | 0 | 6.22 | |
| 76 | 0 | 0 | 0 | 0 | 0.28 | 2.18 | 2.69 | 1.74 | 0.86 | 0 | 0 | 0 | 7.75 | |
| 77 | 0 | 0 | 0 | 0 | 0.25 | 1.9 | 2.61 | 2.66 | 0.57 | 0 | 0 | 0 | 7.99 | |
| 78 | 0 | 0 | 0 | 0 | 0.07 | 2.16 | 3.3 | 2.86 | 0.58 | 0 | 0 | 0 | 8.96 | |
| 79 | 0 | 0 | 0 | 0 | 0 | 1.6 | 3.56 | 2.22 | 1.96 | 0.02 | 0 | 0 | 9.36 | |
| 80 | 0 | 0 | 0 | 0 | 0.19 | 2.15 | 3.33 | 2.51 | 0.87 | 0 | 0 | 0 | 9.05 | |
| 81 | 0 | 0 | 0 | 0 | 0.17 | 2.39 | 1.18 | 1.77 | 0.66 | 0.07 | 0 | 0 | 6.24 | |
| 82 | 0 | 0 | 0 | 0 | 0.03 | 1.73 | 2.22 | 1.35 | 0.5 | 0 | 0 | 0 | 5.83 | |
| 83 | 0 | 0 | 0 | 0 | 0.07 | 1.71 | 2.41 | 1.94 | 0.47 | 0 | 0 | 0 | 6.59 | |
| 84 | 0 | 0 | 0 | 0 | 0.8 | 2.17 | 2.41 | 0.97 | 0 | 0 | 0 | 0 | 6.35 | |
| 85 | 0 | 0 | 0 | 0 | 0.21 | 2.2 | 2.34 | 1.96 | 0.07 | 0 | 0 | 0 | 6.79 | |
| 86 | 0 | 0 | 0 | 0 | 0.1 | 0.35 | 2.24 | 1.4 | 0.02 | 0 | 0 | 0 | 4.1 | |
| 87 | 0 | 0 | 0 | 0 | 0 | 1.93 | 1.92 | 0.11 | 0.4 | 0 | 0 | 0 | 4.37 | |
| 88 | 0 | 0 | 0 | 0 | 0.23 | 0.14 | 1.79 | 1.29 | 0.39 | 0 | 0 | 0 | 3.84 | |
| 89 | 0 | 0 | 0 | 0 | 0.67 | 2.58 | 2.06 | 2.12 | 0.35 | 0 | 0 | 0 | 7.79 | |
| 90 | 0 | 0 | 0 | 0 | 0.06 | 1.8 | 1.06 | 0.73 | 0.55 | 0.03 | 0 | 0 | 4.22 | |
| 91 | 0 | 0 | 0 | 0 | 0.21 | 1.17 | 1.79 | 2.01 | 0 | 0 | 0 | 0 | 5.18 | |
| 92 | 0 | 0 | 0 | 0 | 0 | 2.34 | 2.68 | 0.18 | 0 | 0 | 0 | 0 | 5.2 | |
| 93 | 0 | 0 | 0 | 0 | 0 | 2.33 | 3.76 | 0.74 | 0.3 | 0 | 0 | 0 | 7.14 | |
| 94 | 0 | 0 | 0 | 0 | 0 | 2.04 | 3.84 | 2.24 | 0.01 | 0 | 0 | 0 | 8.14 | |
| 95 | 0 | 0 | 0 | 0 | 0.02 | 1.5 | 2.62 | 0 | 0.25 | 0 | 0 | 0 | 4.39 | |
| 96 | 0 | 0 | 0 | 0 | 1.04 | 2.31 | 2.34 | 0.29 | 0 | 0 | 0 | 0 | 5.98 | |
| 97 | 0 | 0 | 0 | 0 | 0.21 | 1.3 | 1.34 | 0.55 | 0.63 | 0 | 0 | 0 | 4.02 | |
| 98 | 0 | 0 | 0 | 0 | 0.19 | 1.77 | 1.7 | 2.52 | 1.35 | 0 | 0 | 0 | 7.53 | |
| 99 | 0 | 0 | 0 | 0 | 0.13 | 1.07 | 0.26 | 0 | 0 | 0 | 0 | 0 | 1.46 | |
| 0 | 0 | 0 | 0 | 0 | 1.25 | 1.79 | 3.18 | 2.1 | 0.83 | 0 | 0 | 0 | 9.14 | |
| 1 | 0 | 0 | 0 | 0 | 0.65 | 2.62 | 3.05 | 0 | 0.27 | 0 | 0 | 0 | 6.59 | |
| 2 | 0 | 0 | 0 | 0 | 0.54 | 2.84 | 0.61 | 1.76 | 0.07 | 0 | 0 | 0 | 5.83 | |
| 3 | 0 | 0 | 0 | 0 | 0.57 | 2.24 | 3.85 | 1.78 | 0.48 | 0 | 0 | 0 | 8.92 | |
| 4 | 0 | 0 | 0 | 0 | 0.64 | 2.46 | 3.18 | 1.3 | 0.11 | 0 | 0 | 0 | 7.69 | |
| 5 | 0 | 0 | 0 | 0 | 0.26 | 1.66 | 3.97 | 0 | 0.36 | 0 | 0 | 0 | 6.26 | |
| 6 | 0 | 0 | 0 | 0 | 0.98 | 3.04 | 0.76 | 0 | 0 | 0 | 0 | 0 | 4.78 | |
| 7 | 0 | 0 | 0 | 0 | 0.13 | 2.44 | 1.8 | 2.21 | 0.71 | 0 | 0 | 0 | 7.28 | |
| 8 | 0 | 0 | 0 | 0 | 0.03 | 2.34 | 2.53 | 1.86 | 0.28 | 0 | 0 | 0 | 7.03 | |
| AV | 0 | 0 | 0 | 0 | 0.34 | 1.97 | 2.33 | 1.45 | 0.44 | 0.01 | 0 | 0 | 6.53 | |

**Climate Data Assessment, Zuni Pueblo
Appendix D**

Station
WMO #
WBAN #

Albuquerque Airport
723650
23050

| Average Dewpoint Temperature Raw Data, Degrees F | | | | | | | | | | | | | |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Year | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Annual |
| 1941 | | | | | | | 49.61 | 53.67 | 45.04 | | | | 49.69 |
| 1942 | 25.62 | 15.80 | 19.53 | 33.85 | 28.76 | 33.33 | 47.62 | 53.46 | 45.70 | 37.45 | 26.24 | 27.11 | 33.68 |
| 1943 | 21.92 | 21.50 | 22.79 | 25.30 | 32.83 | 39.98 | 50.29 | 55.08 | 42.16 | 32.06 | 19.67 | 23.55 | 32.35 |
| 1944 | 18.64 | 23.40 | 18.71 | 25.03 | 34.29 | 38.38 | 51.29 | 51.50 | 45.67 | 42.35 | 29.60 | 23.48 | 33.57 |
| 1945 | 24.23 | 25.18 | 22.53 | 24.61 | 29.23 | 30.51 | 50.45 | | | | | | 29.61 |
| 1946 | | | | | | | | 55.49 | 47.11 | 33.73 | 26.97 | 20.74 | 36.80 |
| 1947 | 14.36 | 18.05 | 23.36 | 22.81 | 34.36 | 33.82 | 45.27 | 53.76 | 41.26 | 33.92 | 21.61 | 20.82 | 30.39 |
| 1948 | 20.34 | 24.57 | 20.29 | 23.98 | 35.61 | 41.88 | 46.54 | 50.65 | 42.22 | 35.18 | 18.08 | 18.07 | 31.49 |
| 1949 | 18.95 | 17.96 | 21.60 | 30.26 | 32.36 | 43.29 | 52.50 | 48.95 | 48.24 | 32.97 | 22.09 | 18.96 | 32.43 |
| 1950 | 16.56 | 23.30 | 13.19 | 20.19 | 21.85 | 34.25 | 51.52 | 46.41 | 40.33 | 32.28 | 18.05 | 16.03 | 27.86 |
| 1951 | 14.16 | 19.29 | 13.32 | 22.49 | 27.59 | 21.83 | 44.77 | 51.98 | 35.79 | 28.03 | 20.05 | 18.47 | 26.56 |
| 1952 | 20.97 | 14.81 | 17.61 | 27.50 | 30.78 | 39.02 | 49.59 | 51.82 | 37.99 | 26.02 | 22.37 | 20.67 | 29.99 |
| 1953 | 20.70 | 16.21 | 22.45 | 19.55 | 23.94 | 34.33 | 51.78 | 48.37 | 30.53 | 30.44 | 27.33 | 16.82 | 28.64 |
| 1954 | 20.19 | 17.48 | 18.11 | 22.49 | 33.96 | 30.48 | 50.04 | 50.15 | 44.62 | 34.72 | 23.07 | 16.62 | 30.26 |
| 1955 | 18.80 | 11.65 | 18.24 | 19.37 | 28.28 | 31.07 | 49.52 | 55.15 | 39.83 | 29.70 | 18.48 | 22.24 | 28.68 |
| 1956 | 21.28 | 15.68 | 9.04 | 17.14 | 22.25 | 39.49 | 47.21 | 44.25 | 32.83 | 27.62 | 13.69 | 13.00 | 25.34 |
| 1957 | 23.68 | 28.16 | 22.46 | 22.33 | 34.20 | 34.97 | 51.42 | 54.30 | 35.61 | 40.11 | 26.09 | 19.99 | 32.85 |
| 1958 | 18.98 | 26.11 | 26.61 | 27.11 | 38.12 | 40.36 | 45.21 | 51.55 | 47.95 | 35.88 | 25.39 | 17.52 | 33.44 |
| 1959 | 17.04 | 18.92 | 14.95 | 25.44 | 26.25 | 41.15 | 48.86 | 54.21 | 33.53 | 31.86 | 21.61 | 23.45 | 29.85 |
| 1960 | 19.22 | 17.19 | 22.24 | 17.12 | 26.97 | 39.64 | 49.54 | 47.45 | 42.82 | 35.51 | 24.44 | 19.84 | 30.23 |
| 1961 | 15.80 | 19.70 | 20.56 | 21.09 | 26.51 | 37.78 | 48.35 | 52.08 | 42.02 | 26.96 | 24.94 | 19.31 | 29.65 |
| 1962 | 16.87 | 22.43 | 15.21 | 24.28 | 21.09 | 34.23 | 50.25 | 41.18 | 47.83 | 38.96 | 28.65 | 22.90 | 30.35 |
| 1963 | 12.77 | 24.26 | 18.80 | 18.88 | 28.61 | 30.14 | 47.98 | 54.99 | 49.22 | 35.46 | 28.52 | 13.86 | 30.33 |
| 1964 | 8.37 | 13.97 | 13.68 | 19.50 | 27.34 | 30.09 | 50.35 | 49.20 | 49.07 | 30.07 | 23.70 | 20.12 | 28.00 |
| 1965 | 22.24 | 18.24 | 17.56 | 22.43 | 27.69 | 33.75 | 50.58 | 47.96 | 45.64 | 30.23 | 25.76 | 24.54 | 30.64 |
| 1966 | 14.78 | 14.19 | 14.70 | 19.13 | 30.21 | 39.28 | 52.01 | 51.83 | 45.72 | 26.26 | 21.84 | 14.21 | 28.77 |
| 1967 | 8.08 | 11.18 | 14.71 | 11.65 | 18.71 | 35.89 | 48.21 | 51.25 | 44.54 | 25.64 | 20.43 | 16.22 | 25.63 |
| 1968 | 17.42 | 22.74 | 22.76 | 22.74 | 27.80 | 32.55 | 49.95 | 51.53 | 36.21 | 27.09 | 23.59 | 16.00 | 29.24 |
| 1969 | 23.14 | 16.95 | 16.06 | 22.27 | 31.37 | 34.77 | 51.69 | 51.94 | 45.40 | 32.22 | 21.13 | 20.02 | 30.69 |
| 1970 | 13.99 | 18.16 | 19.53 | 13.14 | 24.99 | 36.43 | 52.46 | 52.68 | 41.41 | 29.72 | 20.78 | 16.95 | 28.44 |
| 1971 | | | | | | | | | | | | | |
| 1972 | | | | | | | | | | | | | |
| 1973 | 18.93 | 22.53 | 27.22 | 25.13 | 34.81 | 36.48 | 51.29 | 47.78 | 38.04 | 27.44 | 19.12 | 14.73 | 30.36 |
| 1974 | 20.40 | 13.40 | 21.38 | 12.57 | 22.22 | 32.33 | 44.34 | 47.75 | 40.83 | 41.67 | 26.56 | 18.37 | 28.61 |
| 1975 | 16.02 | 22.34 | 21.38 | 17.42 | 24.65 | 30.62 | 52.04 | 46.72 | 45.22 | 26.73 | 16.46 | 20.13 | 28.37 |
| 1976 | 14.54 | 19.73 | 13.65 | 21.22 | 32.04 | 31.38 | 51.14 | 47.51 | 45.80 | 27.92 | 19.22 | 14.95 | 28.29 |
| 1977 | 18.94 | 17.33 | 11.48 | 29.56 | 22.33 | 35.33 | 50.63 | 52.44 | 47.16 | 32.98 | 22.57 | 16.54 | 29.83 |
| 1978 | 25.44 | 23.66 | 27.29 | 20.03 | 29.35 | 37.77 | 46.80 | 48.40 | 44.68 | 35.47 | 34.38 | 19.38 | 32.78 |
| 1979 | 19.03 | 21.51 | 22.06 | 23.64 | 35.85 | 39.52 | 45.83 | 47.65 | 42.17 | 28.88 | 21.49 | 18.49 | 30.57 |
| 1980 | 27.19 | 24.52 | 19.12 | 20.04 | 27.57 | 26.77 | 45.65 | 50.30 | 44.64 | 28.33 | 22.26 | 25.30 | 30.19 |
| 1981 | 18.58 | 15.80 | 24.05 | 25.34 | 31.08 | 34.85 | 51.37 | 52.63 | 45.98 | 35.32 | 21.63 | 18.34 | 31.37 |
| 1982 | 18.95 | 22.29 | 23.08 | 20.22 | 29.92 | 32.09 | 46.44 | 55.55 | 48.17 | 27.60 | 26.76 | 22.33 | 31.18 |
| 1983 | 23.26 | 25.69 | 26.79 | 20.29 | 26.90 | 33.68 | 46.92 | 52.28 | 48.47 | 41.28 | 27.46 | 21.77 | 32.96 |
| 1984 | 19.32 | 13.65 | 18.86 | 21.36 | 31.29 | 42.08 | 51.44 | 55.70 | 44.80 | 38.33 | 25.53 | 27.37 | 32.57 |
| 1985 | 23.96 | 20.06 | 23.56 | 29.71 | 38.04 | 42.03 | 47.31 | 48.35 | 42.71 | 39.48 | 25.12 | 19.57 | 33.42 |
| 1986 | 20.58 | 24.63 | 23.53 | 26.75 | 31.30 | 44.66 | 50.74 | 50.71 | 42.71 | 36.01 | 28.94 | 23.44 | 33.72 |
| 1987 | 16.87 | 24.56 | 19.25 | 23.92 | 36.36 | 41.29 | 39.69 | 50.77 | 41.57 | 34.87 | 25.84 | 19.88 | 31.27 |
| 1988 | 16.55 | 20.97 | 12.92 | 26.47 | 31.19 | 43.99 | 51.19 | 56.24 | 42.55 | 35.93 | 21.43 | 15.46 | 31.27 |
| 1989 | 16.97 | 21.40 | 19.67 | 19.90 | 23.66 | 33.02 | 47.29 | 49.21 | 40.05 | 31.48 | 15.69 | 16.54 | 27.97 |
| 1990 | 16.45 | 21.36 | 25.32 | 31.14 | 24.33 | 33.15 | 52.05 | 49.64 | 49.48 | 29.95 | 25.69 | 14.25 | 31.11 |
| 1991 | 19.41 | 19.26 | 18.42 | 14.61 | 21.79 | 39.26 | 50.47 | 53.66 | 46.17 | 29.67 | 25.76 | 24.46 | 30.32 |
| 1992 | 20.43 | 24.13 | 25.31 | 28.94 | 41.53 | 38.64 | 48.43 | 50.43 | 40.54 | 30.53 | 23.35 | 21.68 | 32.88 |
| 1993 | 26.47 | 24.33 | 24.08 | 20.04 | 35.28 | 34.39 | 45.17 | 54.23 | 40.23 | 31.57 | 17.91 | 15.68 | 30.87 |
| 1994 | 13.02 | 16.05 | 25.90 | 23.86 | 34.91 | 36.60 | 44.95 | 52.57 | 44.15 | 33.49 | 24.82 | 23.30 | 31.25 |
| 1995 | 23.55 | 26.25 | 26.35 | 24.55 | 31.46 | 36.16 | 39.27 | 53.58 | 45.53 | 22.96 | 25.18 | 20.18 | 31.27 |
| 1996 | 15.07 | 20.83 | 12.45 | 12.69 | 16.72 | 39.23 | 52.38 | 50.20 | 42.65 | 34.60 | 25.52 | 15.84 | 28.20 |
| 1997 | 21.57 | 21.18 | 15.78 | 26.92 | 35.31 | 38.87 | 45.62 | 53.22 | 51.05 | 32.05 | 23.37 | 20.56 | 32.18 |
| 1998 | 21.44 | 22.32 | 23.24 | 22.43 | 24.46 | 27.99 | 54.42 | 50.20 | 42.54 | 36.20 | 28.87 | 20.83 | 31.33 |
| 1999 | 21.96 | 16.71 | 23.29 | 21.60 | 30.07 | 37.85 | 53.26 | 54.63 | 46.06 | 30.07 | 20.33 | 16.11 | 31.11 |
| 2000 | 17.90 | 20.10 | 22.39 | 25.64 | 29.58 | 44.44 | 48.82 | 48.84 | 38.33 | 40.18 | 23.31 | 20.28 | 31.70 |
| 2001 | 20.38 | 20.91 | 24.40 | 25.35 | 32.19 | 35.39 | 51.55 | 51.74 | 40.21 | 28.65 | 29.08 | 17.90 | 31.56 |
| 2002 | 17.87 | 11.50 | 10.32 | 23.30 | 23.43 | 35.81 | 49.66 | 44.86 | 45.14 | 34.86 | 23.28 | 21.43 | 28.56 |
| 2003 | 20.70 | 21.99 | 22.32 | 20.48 | 29.39 | 38.54 | 45.96 | 52.12 | 42.15 | 34.35 | 23.50 | 16.55 | 30.74 |
| 2004 | 18.98 | 17.96 | 25.85 | 28.74 | 25.49 | 33.14 | 46.47 | 48.34 | 39.79 | 37.74 | 29.06 | 20.25 | 31.04 |
| 2005 | 26.26 | 29.70 | 25.25 | 24.94 | 34.98 | 34.70 | 43.98 | 49.30 | 43.16 | 40.52 | 18.13 | 11.58 | 31.91 |
| 2006 | 10.02 | 8.25 | 18.07 | 17.05 | 24.55 | 34.55 | 51.13 | 56.66 | 41.10 | 33.65 | 21.96 | 18.98 | 28.15 |
| 2007 | 19.08 | 20.20 | 21.11 | 26.19 | 36.68 | 36.64 | 49.66 | 50.25 | 43.82 | 26.85 | 20.55 | 19.47 | 30.93 |
| 2008 | 13.13 | 19.84 | 13.52 | 9.37 | 23.53 | 27.63 | 53.10 | 49.77 | 40.28 | 30.85 | 21.41 | 20.86 | 27.04 |
| Average | 18.81 | 19.90 | 19.99 | 22.36 | 29.22 | 35.84 | 48.94 | 51.02 | 42.98 | 32.67 | 23.37 | 19.29 | 30.50 |

Station
WMO #
WBAN #

Zuni Airport
999999
93044

Average Dewpoint Temperature Raw Data, Degrees F

| Year | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Annual |
|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1941 | | | | | | | | | | | | | |
| 1942 | | | | | | | | | | | | | |
| 1943 | | | | | | | | | | | | | |
| 1944 | | | | | | | | | | | | | |
| 1945 | | | | | | | | | | | | | |
| 1946 | | | | | | | | | | | | | |
| 1947 | | | | | | | | | | | | | |
| 1948 | | | | | | | | | | | | | |
| 1949 | | 27.13 | 25.32 | 28.67 | 32.91 | 41.71 | 52.04 | 47.72 | 45.36 | 32.49 | 22.89 | 16.16 | 34.36 |
| 1950 | 17.87 | 25.13 | 18.20 | 21.90 | 23.33 | 31.98 | 52.02 | 39.71 | 36.97 | 28.40 | 15.91 | 14.60 | 27.19 |
| 1951 | 17.18 | 21.62 | 16.26 | 25.81 | 29.79 | 25.73 | 46.85 | 50.52 | 33.76 | 29.51 | 22.30 | 20.02 | 28.35 |
| 1952 | 24.25 | 19.88 | 22.85 | 32.02 | 31.91 | 38.20 | 47.42 | 51.96 | 37.55 | 22.40 | 21.33 | 19.55 | 30.82 |
| 1953 | 22.51 | 15.94 | 22.15 | 21.24 | 23.61 | 31.11 | 49.47 | 44.43 | 29.01 | 26.02 | 22.15 | 12.34 | 26.76 |
| 1954 | 18.88 | 20.03 | 21.43 | 25.48 | 33.99 | 32.42 | 51.63 | 49.26 | 44.26 | 32.10 | 21.42 | 17.72 | 30.80 |
| 1955 | 16.76 | 14.53 | 17.69 | 15.34 | 24.75 | 25.31 | 43.90 | 53.85 | 34.37 | 25.64 | 19.69 | 22.67 | 26.33 |
| 1956 | 21.56 | 14.72 | 11.97 | 21.19 | 22.01 | 33.43 | 45.05 | 42.29 | 29.91 | 23.82 | 13.56 | 13.58 | 24.48 |
| 1957 | 24.80 | 29.34 | 23.78 | 21.80 | 30.82 | 33.23 | 48.99 | 52.98 | 31.80 | 36.02 | 24.93 | 22.78 | 31.84 |
| 1958 | 20.17 | 25.30 | 25.83 | 23.70 | 29.78 | 34.88 | 42.39 | 51.55 | 45.68 | 34.24 | 23.31 | 17.24 | 31.21 |
| 1959 | 18.65 | 22.17 | 14.49 | 22.52 | 20.54 | 34.37 | 44.75 | 52.19 | 33.88 | 31.35 | 22.83 | 22.49 | 28.40 |
| 1960 | 14.45 | 17.79 | 21.49 | 15.37 | 25.47 | 35.50 | 43.58 | 43.75 | 38.82 | 33.48 | 22.46 | 19.47 | 27.68 |
| 1961 | 17.01 | 22.12 | 23.37 | 21.50 | 21.78 | 30.65 | 45.91 | 52.42 | 38.34 | 25.87 | 25.75 | 18.90 | 28.68 |
| 1962 | 17.62 | 25.53 | 18.87 | 22.24 | 23.24 | 30.12 | 45.05 | 43.16 | 45.05 | 35.57 | 29.05 | 23.68 | 29.95 |
| 1963 | 17.46 | 27.23 | 21.95 | 18.47 | 24.96 | 35.58 | 46.87 | 54.48 | 47.73 | 34.86 | 29.75 | 14.57 | 31.17 |
| 1964 | 10.16 | 13.46 | 18.12 | 21.93 | 24.03 | 29.22 | 48.95 | 49.71 | 44.94 | 27.11 | 22.23 | 21.64 | 27.68 |
| 1965 | 24.14 | 19.28 | 19.52 | 23.35 | 26.18 | 32.97 | 51.07 | 46.45 | 39.69 | 26.43 | 24.47 | 24.62 | 29.93 |
| 1966 | 17.45 | 18.38 | 22.52 | 23.12 | 30.64 | 36.50 | 49.29 | 50.90 | 46.06 | 30.40 | 25.03 | 19.11 | 30.86 |
| 1967 | 15.14 | 17.69 | 19.66 | 16.33 | 21.51 | 33.46 | 48.79 | 48.62 | 41.76 | 24.73 | 19.96 | 14.82 | 26.94 |
| 1968 | 16.60 | 25.15 | 21.76 | 23.14 | 25.15 | 28.08 | 44.04 | 46.97 | 33.78 | 28.67 | 23.60 | 13.21 | 27.53 |
| 1969 | 24.94 | 21.01 | 19.26 | 22.40 | 30.95 | 32.43 | 50.55 | 52.36 | 44.01 | 30.33 | 23.55 | 21.52 | 31.20 |
| 1970 | 17.24 | 21.61 | 22.49 | 17.13 | 24.84 | 33.28 | 46.59 | 49.72 | 37.24 | 28.27 | 16.95 | 15.25 | 27.62 |
| 1971 | 13.24 | 15.38 | 12.96 | 16.41 | 19.57 | 25.43 | 44.14 | 51.13 | 36.67 | 31.71 | 21.62 | 20.99 | 25.86 |
| 1972 | 13.60 | 11.26 | 13.75 | 13.13 | 19.02 | 38.32 | 44.33 | 45.65 | 39.00 | 40.37 | 24.85 | 18.00 | 27.62 |
| 1973 | | | | | | | | | | | | | |
| 1974 | | | | | | | | | | | | | |
| 1975 | | | | | | | | | | | | | |
| 1976 | | | | | | | | | | | | | |
| 1977 | | | | | | | | | | | | | |
| 1978 | | | | | | | | | | | | | |
| 1979 | | | | | | | | | | | | | |
| 1980 | | | | | | | | | | | | | |
| 1981 | | | | | | | | | | | | | |
| 1982 | | | | | | | | | | | | | |
| 1983 | | | | | | | | | | | | | |
| 1984 | | | | | | | | | | | | | |
| 1985 | | | | | | | | | | | | | |
| 1986 | | | | | | | | | | | | | |
| 1987 | | | | | | | | | | | | | |
| 1988 | | | | | | | | | | | | | |
| 1989 | | | | | | | | | | | | | |
| 1990 | | | | | | | | | | | | | |
| 1991 | | | | | | | | | | | | | |
| 1992 | | | | | | | | | | | | | |
| 1993 | | | | | | | | | | | | | |
| 1994 | | | | | | | | | | | | | |
| 1995 | | | | | | | | | | | | | |
| 1996 | | | | | | | | | | | | | |
| 1997 | | | | | | | | | | | | | |
| 1998 | | | | | | | | | | | | | |
| 1999 | | | | | | | | | | | | | |
| 2000 | | | | | | | | | | | | | |
| 2001 | | | | | | | | | | | | | |
| 2002 | | | | | | | | | | | | | |
| 2003 | | | | | | | | | | | | | |
| 2004 | | | | | | | | | | | | | |
| 2005 | | | | | | | | | | | | | |
| 2006 | | | | | | | | | | | | | |
| 2007 | | | | | | | | | | | | | |
| 2008 | | | | | | | | | | | | | |
| Average | 18.33 | 20.24 | 19.82 | 21.42 | 25.87 | 32.66 | 47.24 | 48.82 | 38.99 | 29.99 | 22.48 | 18.56 | 28.86 |

Station
WMO #
WBAN #

Gallup Municipal Airport
723627
23081

| Year | Average Dewpoint Temperature Raw Data, Degrees F | | | | | | | | | | | | Annual |
|---------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | |
| 1941 | | | | | | | | | | | | | |
| 1942 | | | | | | | | | | | | | |
| 1943 | | | | | | | | | | | | | |
| 1944 | | | | | | | | | | | | | |
| 1945 | | | | | | | | | | | | | |
| 1946 | | | | | | | | | | | | | |
| 1947 | | | | | | | | | | | | | |
| 1948 | | | | | | | | | | | | | |
| 1949 | | | | | | | | | | | | | |
| 1950 | | | | | | | | | | | | | |
| 1951 | | | | | | | | | | | | | |
| 1952 | | | | | | | | | | | | | |
| 1953 | | | | | | | | | | | | | |
| 1954 | | | | | | | | | | | | | |
| 1955 | | | | | | | | | | | | | |
| 1956 | | | | | | | | | | | | | |
| 1957 | | | | | | | | | | | | | |
| 1958 | | | | | | | | | | | | | |
| 1959 | | | | | | | | | | | | | |
| 1960 | | | | | | | | | | | | | |
| 1961 | | | | | | | | | | | | | |
| 1962 | | | | | | | | | | | | | |
| 1963 | | | | | | | | | | | | | |
| 1964 | | | | | | | | | | | | | |
| 1965 | | | | | | | | | | | | | |
| 1966 | | | | | | | | | | | | | |
| 1967 | | | | | | | | | | | | | |
| 1968 | | | | | | | | | | | | | |
| 1969 | | | | | | | | | | | | | |
| 1970 | | | | | | | | | | | | | |
| 1971 | | | | | | | | | | | | | |
| 1972 | | | | | | | | | | | | | |
| 1973 | 16.13 | 26.01 | 28.30 | 26.20 | 35.79 | 38.00 | 48.15 | 48.41 | 37.62 | 24.35 | 20.43 | 14.21 | 30.53 |
| 1974 | 19.41 | 14.31 | 22.04 | 16.94 | 23.92 | 26.26 | 44.33 | 41.37 | 37.06 | 37.28 | 23.67 | 14.08 | 26.83 |
| 1975 | 15.43 | 19.88 | 24.95 | 25.60 | 28.45 | 31.01 | 49.71 | 42.43 | 43.78 | 27.13 | 15.56 | 16.39 | 28.42 |
| 1976 | 14.41 | 21.74 | 16.50 | 19.55 | 27.67 | 24.61 | 46.47 | 43.67 | 40.80 | 24.11 | 16.06 | 11.69 | 25.63 |
| 1977 | 14.27 | 17.03 | 14.30 | 19.73 | 22.50 | 33.63 | 47.97 | 47.25 | 41.80 | 30.06 | 22.91 | 17.64 | 27.49 |
| 1978 | 24.36 | 24.49 | 26.78 | 22.34 | 26.92 | 27.27 | 38.83 | 39.91 | 38.61 | 27.05 | 30.95 | 17.26 | 28.75 |
| 1979 | 17.29 | 20.69 | 24.06 | 22.02 | 32.65 | 32.21 | 38.00 | 40.70 | 35.26 | 23.55 | 17.96 | 14.75 | 26.64 |
| 1980 | 26.59 | 24.22 | 20.24 | 20.98 | 24.48 | 28.11 | 43.83 | 44.78 | 36.51 | 23.42 | 16.31 | 20.55 | 27.54 |
| 1981 | 15.17 | 14.50 | 23.64 | 25.24 | 29.33 | 34.26 | 50.07 | 46.62 | 43.50 | 29.65 | 18.53 | 17.32 | 29.09 |
| 1982 | 18.30 | 23.18 | 25.95 | 22.16 | 29.86 | 27.29 | 45.07 | 53.71 | 44.80 | 21.90 | 24.71 | 20.04 | 29.80 |
| 1983 | 19.17 | 24.01 | 26.99 | 21.80 | 25.72 | 32.91 | 47.36 | 51.50 | 43.27 | 35.29 | 24.86 | 25.27 | 31.58 |
| 1984 | 17.39 | 13.01 | 17.42 | 21.30 | 26.13 | 34.32 | 47.97 | 51.04 | 42.78 | 33.68 | 20.37 | 23.54 | 29.16 |
| 1985 | 20.80 | 18.93 | 23.99 | 26.37 | 32.90 | 34.03 | 45.19 | 45.19 | 37.56 | 32.97 | 24.50 | 17.38 | 30.07 |
| 1986 | 15.92 | 22.46 | 22.99 | 25.17 | 26.75 | 37.95 | 46.42 | 48.15 | 38.03 | 29.90 | 26.55 | 20.54 | 30.11 |
| 1987 | 14.35 | 23.00 | 20.75 | 23.32 | 33.96 | 33.98 | 37.31 | 47.80 | 35.46 | 28.09 | 23.75 | 16.20 | 28.20 |
| 1988 | 15.94 | 20.88 | 11.38 | 21.86 | 23.92 | 37.74 | 45.86 | 51.98 | 35.09 | 28.35 | 21.61 | 15.20 | 27.50 |
| 1989 | 14.66 | 19.55 | 20.70 | 18.43 | 20.42 | 24.14 | 40.09 | 42.22 | 31.17 | 26.86 | 11.54 | 6.19 | 23.04 |
| 1990 | 10.85 | 16.12 | 22.93 | 26.23 | 21.44 | 24.68 | 47.63 | 43.76 | 45.23 | 29.11 | 26.01 | 11.70 | 27.19 |
| 1991 | 16.89 | 21.71 | 23.28 | 18.05 | 21.25 | 32.67 | 46.22 | 50.06 | 39.14 | 21.19 | 23.15 | 22.51 | 28.06 |
| 1992 | 16.59 | 24.23 | 24.98 | 26.98 | 39.04 | 33.05 | 42.84 | 46.19 | 35.92 | 24.57 | 18.15 | 13.10 | 28.83 |
| 1993 | 25.36 | 24.10 | 20.19 | 16.91 | 31.23 | 26.35 | 36.12 | 48.60 | 34.12 | 28.07 | 15.73 | 12.81 | 26.69 |
| 1994 | 9.87 | 18.98 | 23.72 | 23.62 | 29.10 | 31.12 | 36.42 | 49.19 | 40.05 | 27.02 | 21.55 | 19.48 | 27.56 |
| 1995 | 22.79 | 24.59 | 25.00 | 23.34 | 29.25 | 31.33 | 33.59 | 48.36 | 39.15 | 16.80 | 20.22 | 15.33 | 27.49 |
| 1996 | 15.41 | 19.99 | 15.48 | 12.29 | 15.69 | 25.85 | 45.07 | 43.55 | 38.79 | 28.51 | 24.36 | 15.59 | 25.07 |
| 1997 | 20.44 | 19.50 | 16.16 | 23.99 | 31.45 | 32.64 | 39.42 | 51.02 | 47.88 | 27.60 | 22.17 | 18.13 | 29.25 |
| 1998 | 21.75 | 23.03 | 23.27 | 21.56 | 23.59 | 26.38 | 49.77 | 48.22 | 39.70 | 27.93 | 23.61 | 17.34 | 28.90 |
| 1999 | 13.07 | 11.74 | 14.17 | 18.96 | 24.92 | 31.15 | 50.61 | 52.15 | 42.97 | 21.28 | 14.65 | 11.25 | 25.68 |
| 2000 | 17.94 | 20.69 | 23.35 | 22.38 | 21.87 | 35.21 | 43.09 | 50.34 | 37.79 | 34.69 | 19.18 | 14.44 | 28.45 |
| 2001 | 16.40 | 20.04 | 23.29 | 23.54 | 28.02 | 28.23 | 47.04 | 48.23 | 35.06 | 20.27 | 23.91 | 15.45 | 27.51 |
| 2002 | 14.04 | 7.95 | 7.75 | 18.94 | 15.86 | 24.74 | 44.07 | 39.62 | 39.39 | 31.20 | 18.92 | 19.60 | 23.61 |
| 2003 | 21.24 | 19.14 | 20.51 | 16.32 | 24.19 | 26.62 | 38.98 | 50.82 | 34.04 | 27.55 | 19.37 | 15.20 | 26.25 |
| 2004 | 20.04 | 16.51 | 21.69 | 23.63 | 16.21 | 19.95 | 36.40 | 40.45 | 33.88 | 30.22 | 23.40 | 18.24 | 25.14 |
| 2005 | 25.67 | 27.79 | 23.49 | 18.29 | 27.92 | 27.34 | 33.95 | 47.16 | 36.91 | 30.40 | 11.39 | 7.71 | 26.53 |
| 2006 | 7.54 | 2.30 | 17.14 | 14.39 | 18.13 | 22.12 | 46.10 | 50.29 | 34.95 | 31.95 | 16.82 | 15.69 | 23.44 |
| 2007 | 15.29 | 21.76 | 16.68 | 21.01 | 29.01 | 21.98 | 41.91 | 48.95 | 36.57 | 22.64 | 15.03 | 18.65 | 25.84 |
| 2008 | 13.12 | 20.83 | 11.75 | 6.72 | 18.85 | 24.27 | 48.97 | 46.20 | 35.66 | 20.40 | 17.37 | 19.43 | 23.61 |
| Average | 17.33 | 19.72 | 20.72 | 21.00 | 26.07 | 29.54 | 43.63 | 46.94 | 38.62 | 27.36 | 20.42 | 16.39 | 27.38 |

Zuni Pueblo Area
Relative Humidity Raw Data

Albuquerque Airport
Average Maximum Humidity (percent)

| Average of ABQ Airport | Month | | | | | | | | | | | | Grand Total |
|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------|
| Year | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | Grand Total |
| 1992 | | | | | | | | | | | | | |
| 1993 | | | | | | | | | | | | | |
| 1994 | | | | | | | | | | | | | |
| 1995 | | | | | | | | | | | | | |
| 1996 | | | | | | | | | | | | | |
| 1997 | | | | | | | | | | | | | |
| 1998 | | | | | | | | | | | | | |
| 1999 | | | | | | | | | | | | | |
| 2000 | | | | | | | | | | | | | |
| 2001 | | | | | | | | | | | | | |
| 2002 | | | | | | 42.33 | 61.71 | 55.75 | 68.52 | 69.46 | 66.78 | 76.44 | 63.42 |
| 2003 | 94.06 | 58.74 | 39.91 | 37.91 | 45.03 | 49.42 | 47.26 | 65.93 | 61.28 | 57.65 | 63.21 | 68.04 | 59.69 |
| 2004 | 67.55 | 71.27 | 60.05 | 61.88 | 34.84 | 41.26 | 57.17 | 66.35 | 57.63 | 77.42 | 77.78 | 74.10 | 62.33 |
| 2005 | 77.12 | 84.02 | 75.32 | 57.98 | 55.01 | 43.61 | 50.87 | 57.81 | 51.82 | 67.76 | 43.73 | 43.23 | 59.10 |
| 2006 | 58.32 | 77.09 | 63.93 | 50.24 | 53.75 | 45.38 | 67.60 | 82.91 | 70.15 | 75.15 | 57.72 | 71.81 | 64.49 |
| 2007 | 58.25 | 77.09 | 63.93 | 45.62 | 49.94 | 45.38 | 67.60 | 82.91 | 70.15 | 75.15 | 57.72 | 71.81 | 63.79 |
| 2008 | 72.22 | 77.09 | 63.93 | 45.62 | 49.94 | 45.38 | 67.60 | 82.91 | 70.15 | 75.15 | 57.72 | 71.81 | 64.97 |
| Grand Total | 70.90 | 76.39 | 65.01 | 51.21 | 48.16 | 44.74 | 60.07 | 70.66 | 64.22 | 71.17 | 60.73 | 68.46 | 62.59 |

Average Minimum Humidity (percent)

| Average of ABQ Airport2 | Month | | | | | | | | | | | | Grand Total |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------|
| Year | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | Grand Total |
| 1992 | | | | | | | | | | | | | |
| 1993 | | | | | | | | | | | | | |
| 1994 | | | | | | | | | | | | | |
| 1995 | | | | | | | | | | | | | |
| 1996 | | | | | | | | | | | | | |
| 1997 | | | | | | | | | | | | | |
| 1998 | | | | | | | | | | | | | |
| 1999 | | | | | | | | | | | | | |
| 2000 | | | | | | | | | | | | | |
| 2001 | | | | | | | | | | | | | |
| 2002 | | | | | | 13.57 | 21.59 | 19.66 | 25.24 | 25.09 | 26.26 | 37.28 | 24.49 |
| 2003 | 35.95 | 22.65 | | 16.28 | 16.42 | 17.17 | 16.83 | 26.74 | 22.12 | 26.79 | 28.75 | 32.52 | 24.32 |
| 2004 | 32.98 | 28.35 | 25.54 | 25.45 | 13.33 | 16.08 | 25.91 | 29.09 | 27.10 | 33.80 | 40.39 | 37.18 | 27.95 |
| 2005 | 38.35 | 39.65 | 28.17 | 18.59 | 20.62 | 13.47 | 15.76 | 35.94 | 42.32 | 56.98 | 35.22 | 33.68 | 31.48 |
| 2006 | 20.21 | 28.53 | 16.55 | 9.28 | 13.15 | 12.14 | 23.80 | 32.50 | 24.30 | 26.19 | 19.72 | 31.74 | 21.50 |
| 2007 | 20.21 | 25.95 | 16.55 | 9.28 | 13.15 | 12.14 | 23.80 | 32.50 | 24.10 | 26.19 | 19.72 | 31.74 | 21.29 |
| 2008 | 22.58 | 25.95 | 16.55 | 9.28 | 13.15 | 12.14 | 23.80 | 32.50 | 24.10 | 26.19 | 19.72 | 31.74 | 21.50 |
| Grand Total | 28.23 | 29.58 | 20.61 | 14.47 | 14.98 | 13.81 | 21.60 | 29.90 | 27.01 | 31.81 | 27.07 | 33.68 | 24.64 |

Zuni Pueblo Area
Relative Humidity Raw Data

Gallup Municipal Airport
Average Maximum Humidity (percent)

| Average of Gallup Municipal Airport | | Month | | | | | | | | | | | | Grand Total |
|-------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------|
| Year | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| 1992 | | | | | | | | | | | | | | |
| 1993 | | | | | | | | | | | | | | |
| 1994 | | | | | | | | | | | | | | |
| 1995 | | | | | | | | | | | | | | |
| 1996 | | | | | | | | | | | | | | |
| 1997 | | | | | | | | | | | | | | |
| 1998 | | | | | | | | | | | | | | |
| 1999 | | | | | | | | | | | | | | |
| 2000 | | | | | | | | | | | | | | |
| 2001 | | | | | | | | | | | | | | |
| 2002 | | | | | | | | | | | 85.41 | 83.88 | 93.67 | 87.77 |
| 2003 | 83.35 | 83.23 | 81.09 | 61.74 | 53.89 | 48.15 | 55.61 | 86.05 | 65.60 | 68.23 | 78.43 | 82.64 | 70.35 | 70.35 |
| 2004 | 88.37 | 84.82 | 76.16 | 73.12 | 39.37 | 37.51 | 60.71 | 69.93 | 68.47 | 81.28 | 85.58 | 88.52 | 71.03 | 71.03 |
| 2005 | 89.53 | 92.32 | 87.14 | 65.76 | 58.92 | 56.23 | 54.61 | 74.81 | 63.30 | 66.92 | 52.64 | 62.88 | 68.76 | 68.76 |
| 2006 | 73.64 | 82.77 | 82.51 | 61.49 | 53.30 | 52.54 | 75.82 | 86.84 | 79.17 | 83.59 | 72.55 | 84.32 | 74.06 | 74.06 |
| 2007 | 73.64 | 82.77 | 82.51 | 61.49 | 53.30 | 52.54 | 75.82 | 86.84 | 79.17 | 83.35 | 72.55 | 84.32 | 74.04 | 74.04 |
| 2008 | 80.18 | 82.77 | 82.51 | 61.49 | 53.30 | 52.54 | 75.82 | 86.84 | 79.17 | 83.35 | 72.55 | 84.32 | 74.59 | 74.59 |
| Grand Total | 81.26 | 84.79 | 82.06 | 64.19 | 52.08 | 49.99 | 66.55 | 81.89 | 72.48 | 78.83 | 74.11 | 83.17 | 72.78 | 72.78 |

Average Minimum Humidity (percent)

| Average of Gallup Municipal Airport2 | | Month | | | | | | | | | | | | Grand Total |
|--------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------|
| Year | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| 1992 | | | | | | | | | | | | | | |
| 1993 | | | | | | | | | | | | | | |
| 1994 | | | | | | | | | | | | | | |
| 1995 | | | | | | | | | | | | | | |
| 1996 | | | | | | | | | | | | | | |
| 1997 | | | | | | | | | | | | | | |
| 1998 | | | | | | | | | | | | | | |
| 1999 | | | | | | | | | | | | | | |
| 2000 | | | | | | | | | | | | | | |
| 2001 | | | | | | | | | | | | | | |
| 2002 | | | | | | | | | | | 32.19 | 24.28 | 48.56 | 34.95 |
| 2003 | 35.24 | 28.51 | 22.02 | 15.82 | 15.01 | 13.58 | 16.66 | 28.76 | 21.63 | 26.86 | 28.66 | 31.64 | 23.52 | 23.52 |
| 2004 | 46.93 | 34.87 | 23.02 | 25.37 | 11.10 | 11.03 | 22.33 | 25.46 | 25.22 | 30.67 | 39.89 | 43.38 | 28.09 | 28.09 |
| 2005 | 42.93 | 49.78 | 32.10 | 17.47 | 16.27 | 12.40 | 12.22 | 49.00 | 47.24 | 55.72 | 44.23 | 49.14 | 35.52 | 35.52 |
| 2006 | 22.86 | 32.74 | 20.76 | 11.10 | 10.93 | 8.98 | 21.77 | 28.06 | 19.86 | 26.53 | 20.62 | 34.59 | 21.55 | 21.55 |
| 2007 | 22.86 | 32.74 | 20.76 | 11.10 | 10.93 | 8.98 | 21.77 | 28.06 | 19.86 | 26.53 | 20.62 | 34.59 | 21.55 | 21.55 |
| 2008 | 28.58 | 32.74 | 20.76 | 11.10 | 10.93 | 8.98 | 21.77 | 28.06 | 19.86 | 26.53 | 20.62 | 34.59 | 22.04 | 22.04 |
| Grand Total | 32.89 | 35.80 | 23.39 | 15.31 | 12.52 | 10.65 | 19.39 | 31.23 | 25.61 | 32.17 | 28.47 | 39.36 | 25.75 | 25.75 |

Zuni Pueblo Area
Relative Humidity Raw Data

Malpais Lava Flow RAWS
Average Maximum Humidity (percent)

| Average of Malpais Lava Flow RAWS | | Month | | | | | | | | | | | | Grand Total |
|-----------------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------|
| Year | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| 1992 | | 93.26 | 93.79 | 86.42 | 72.00 | 88.23 | 66.97 | 78.03 | 92.39 | 74.83 | 66.84 | 87.43 | 90.03 | 82.54 |
| 1993 | | 94.52 | 95.00 | 83.28 | 55.00 | 74.65 | 46.90 | 59.48 | 95.10 | 82.77 | 87.61 | 78.33 | 81.13 | 77.77 |
| 1994 | | 67.77 | 86.25 | 85.35 | 70.83 | 65.90 | 46.37 | 60.94 | 88.06 | 83.03 | 81.19 | 91.23 | 89.26 | 76.33 |
| 1995 | | 94.93 | 91.71 | 87.90 | 74.00 | 67.74 | 52.47 | 53.58 | 85.90 | 88.90 | 49.42 | 78.20 | 84.32 | 75.55 |
| 1996 | | 80.77 | 81.11 | 68.16 | 51.77 | 30.71 | 54.03 | 83.97 | 83.19 | 90.57 | 83.42 | 82.80 | 71.97 | 71.82 |
| 1997 | | 88.32 | 82.68 | 64.77 | 81.33 | 77.42 | 63.50 | 68.45 | 95.19 | 99.18 | 84.26 | 83.97 | 88.26 | 81.33 |
| 1998 | | 87.06 | 85.71 | 81.90 | 77.00 | 56.26 | 41.30 | 83.90 | 88.06 | 77.47 | 74.16 | 85.03 | 79.87 | 76.47 |
| 1999 | | 69.10 | 58.71 | 67.16 | 64.80 | 62.19 | 63.37 | 92.10 | 97.52 | 92.03 | 51.81 | 50.53 | 69.81 | 70.04 |
| 2000 | | 75.84 | 72.90 | 82.32 | 62.27 | 39.06 | 61.30 | 75.58 | 86.58 | 65.20 | 92.19 | 84.60 | 76.39 | 72.90 |
| 2001 | | 86.77 | 82.86 | 82.45 | 78.30 | 58.52 | 45.83 | 83.83 | 94.06 | 70.10 | 64.87 | 80.93 | 78.58 | 75.42 |
| 2002 | | 77.68 | 62.54 | 52.19 | 51.20 | 31.81 | 32.70 | 76.00 | 76.58 | 91.53 | 88.61 | 79.67 | 89.61 | 67.59 |
| 2003 | | | | 74.73 | 62.41 | 58.52 | 52.47 | 59.10 | 91.23 | 77.10 | 81.50 | 5.13 | 9.33 | 61.55 |
| 2004 | | 8.95 | 11.67 | | | 28.04 | 36.17 | 56.86 | 75.26 | 66.83 | 79.87 | 76.90 | 78.27 | 57.99 |
| 2005 | | 82.07 | 88.75 | 77.81 | 72.60 | 65.53 | 54.38 | 57.77 | 72.56 | 57.50 | 77.42 | 45.10 | 52.04 | 67.02 |
| 2006 | | 78.57 | 77.71 | 86.74 | 66.17 | 56.23 | 51.62 | 83.26 | 95.74 | 87.90 | 87.84 | 76.37 | 84.90 | 77.90 |
| 2007 | | 78.50 | 77.71 | 86.74 | 66.17 | 56.23 | 50.83 | 83.26 | 95.74 | 87.90 | 87.84 | 76.37 | 84.90 | 77.76 |
| 2008 | | 86.53 | 82.55 | 54.81 | 34.76 | 47.71 | 36.77 | 78.94 | 74.07 | 70.57 | 67.77 | 74.97 | 82.45 | 65.29 |
| Grand Total | | 79.22 | 80.85 | 76.41 | 65.13 | 57.06 | 50.38 | 72.54 | 87.76 | 80.16 | 76.63 | 75.85 | 78.18 | 73.21 |

Average Minimum Humidity (percent)

| Average of Malpais Lava Flow RAWS2 | | Month | | | | | | | | | | | | Grand Total |
|------------------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------|
| Year | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| 1992 | | 43.06 | 44.36 | 31.23 | 17.10 | 35.23 | 17.73 | 26.35 | 29.58 | 23.13 | 23.00 | 34.67 | 40.84 | 30.49 |
| 1993 | | 51.58 | 43.00 | 35.04 | 16.48 | 20.77 | 12.47 | 19.94 | 36.35 | 23.17 | 27.26 | 28.77 | 26.47 | 28.34 |
| 1994 | | 25.83 | 34.68 | 24.97 | 18.60 | 18.03 | 11.90 | 16.10 | 24.40 | 24.47 | 24.26 | 31.47 | 30.97 | 23.75 |
| 1995 | | 38.07 | 29.32 | 23.26 | 20.23 | 18.48 | 11.87 | 17.13 | 29.58 | 27.03 | 12.32 | 26.13 | 33.74 | 23.84 |
| 1996 | | 27.29 | 32.32 | 17.29 | 12.60 | 7.87 | 16.00 | 25.48 | 28.77 | 35.90 | 31.32 | 32.63 | 26.90 | 24.47 |
| 1997 | | 48.45 | 32.14 | 15.81 | 27.73 | 20.71 | 17.13 | 26.00 | 31.84 | 35.96 | 26.16 | 33.20 | 43.32 | 29.83 |
| 1998 | | 39.13 | 39.77 | 34.00 | 22.00 | 12.14 | 10.54 | 27.89 | 26.52 | 22.07 | 29.77 | 28.40 | 27.43 | 26.67 |
| 1999 | | 18.67 | 14.96 | 13.27 | 13.40 | 10.68 | 11.30 | 29.93 | 31.07 | 23.59 | 6.34 | 11.00 | 23.03 | 17.20 |
| 2000 | | 26.29 | 21.50 | 25.90 | 14.38 | 7.75 | 16.46 | 19.31 | 22.50 | 16.80 | 41.72 | 31.50 | 21.53 | 22.50 |
| 2001 | | 35.71 | 28.59 | 24.54 | 17.46 | 12.45 | 8.19 | 21.12 | 29.38 | 17.11 | 14.03 | 30.89 | 26.74 | 22.24 |
| 2002 | | 28.19 | 13.80 | 10.04 | 9.17 | 6.63 | 6.96 | 21.64 | 20.38 | 29.83 | 31.17 | 23.80 | 42.37 | 20.89 |
| 2003 | | | | 44.55 | 15.52 | 14.69 | 12.30 | 14.26 | 27.53 | 18.23 | 7.00 | | 4.00 | 18.55 |
| 2004 | | | | | | 10.04 | 8.89 | 20.71 | 20.88 | 19.26 | 23.56 | 37.74 | 33.70 | 21.13 |
| 2005 | | 46.18 | 45.00 | 30.92 | 19.27 | 16.04 | 9.38 | 13.43 | 52.20 | 57.00 | 68.68 | 41.17 | 39.00 | 36.90 |
| 2006 | | 24.11 | 11.11 | 22.17 | 10.00 | 10.13 | 10.14 | 21.30 | 39.45 | 26.83 | 30.16 | 18.83 | 34.16 | 21.66 |
| 2007 | | 24.11 | 11.11 | 22.17 | 10.00 | 10.13 | 10.20 | 21.30 | 39.45 | 26.83 | 30.16 | 18.83 | 34.16 | 21.64 |
| 2008 | | 73.41 | 70.95 | 43.93 | 27.44 | 37.87 | 26.36 | 68.81 | 60.81 | 45.28 | 42.48 | 58.23 | 66.65 | 51.07 |
| Grand Total | | 35.66 | 31.16 | 25.34 | 16.94 | 16.20 | 12.90 | 24.46 | 32.27 | 27.96 | 28.93 | 30.39 | 34.52 | 26.26 |

Zuni Pueblo Area
Relative Humidity Raw Data

Ramah RAWS
Average Maximum Humidity (percent)

| Average of Ramah RAWS | | Month | | | | | | | | | | | | Grand Total |
|-----------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------|
| Year | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| 1992 | | | | | | | | | | | | | | |
| 1993 | | | | | | | | | | | | | | |
| 1994 | | | | | | | | | | | | | | |
| 1995 | | | | | | | | | | | | | | |
| 1996 | | | | | | | | | | | | | | |
| 1997 | | | | | | | | | | | | | | |
| 1998 | | | | | | | | | | | | | | |
| 1999 | | | | | | | | | | | | | | |
| 2000 | | | | | | | | | | | | | | |
| 2001 | | | | | | | | | | | | | | |
| 2002 | | | | | | | | | | | | | | |
| 2003 | | | | | | | | | | | | | | |
| 2004 | | | | | | | | | | | | | | |
| 2005 | | | | 94.30 | 81.69 | 77.87 | 64.65 | 61.10 | 84.29 | 68.83 | 80.26 | 54.07 | 73.39 | 74.16 |
| 2006 | | 69.00 | 49.82 | 94.30 | 81.60 | 76.10 | 61.83 | 61.10 | 90.81 | 82.30 | 92.19 | 67.40 | 83.94 | 76.22 |
| 2007 | | 80.66 | 66.50 | 94.06 | 71.47 | 62.42 | 58.57 | 88.35 | 99.19 | 95.53 | 95.16 | 89.53 | 95.03 | 83.24 |
| 2008 | | 88.05 | 91.43 | 67.39 | 43.45 | 58.97 | 48.80 | 85.48 | 81.70 | 77.93 | 80.03 | 83.83 | 93.71 | 74.60 |
| Grand Total | | 78.59 | 69.25 | 87.40 | 69.67 | 68.76 | 58.22 | 74.01 | 89.24 | 81.20 | 86.91 | 73.71 | 86.84 | 77.23 |

Average Minimum Humidity (percent)

| Average of Ramah RAWS2 | | Month | | | | | | | | | | | | Grand Total |
|------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------|
| Year | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| 1992 | | | | | | | | | | | | | | |
| 1993 | | | | | | | | | | | | | | |
| 1994 | | | | | | | | | | | | | | |
| 1995 | | | | | | | | | | | | | | |
| 1996 | | | | | | | | | | | | | | |
| 1997 | | | | | | | | | | | | | | |
| 1998 | | | | | | | | | | | | | | |
| 1999 | | | | | | | | | | | | | | |
| 2000 | | | | | | | | | | | | | | |
| 2001 | | | | | | | | | | | | | | |
| 2002 | | | | | | | | | | | | | | |
| 2003 | | | | | | | | | | | | | | |
| 2004 | | | | | | | | | | | | | | |
| 2005 | | | | 36.33 | 21.22 | 19.93 | 15.58 | 17.06 | 58.10 | 67.37 | 72.16 | 50.07 | 56.32 | 42.44 |
| 2006 | | 47.88 | 47.79 | 36.33 | 20.71 | 19.80 | 15.55 | 17.06 | 29.65 | 28.37 | 31.84 | 21.57 | 32.29 | 28.73 |
| 2007 | | 35.90 | 13.68 | 25.17 | 11.90 | 12.26 | 10.90 | 25.74 | 40.45 | 26.90 | 33.45 | 21.30 | 41.71 | 25.10 |
| 2008 | | 80.12 | 83.92 | 54.73 | 32.33 | 47.14 | 34.04 | 74.59 | 70.04 | 56.36 | 50.10 | 66.60 | 77.71 | 60.21 |
| Grand Total | | 50.70 | 46.69 | 38.34 | 20.97 | 24.53 | 18.70 | 32.94 | 48.52 | 44.24 | 46.89 | 39.88 | 51.90 | 38.41 |

Zuni Pueblo Area
Relative Humidity Raw Data

Zuni/Zuni Buttes RAWS
Average Maximum Humidity (percent)

| Average of ZuniButtes RAWS | | Month | | | | | | | | | | | | Grand Total |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------|
| Year | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| 1992 | | | | | | | | | | | | | | |
| 1993 | | | | | | | | | | | | | | |
| 1994 | | | | | | | | | | | | | | |
| 1995 | | | | | | | | | | | | | | |
| 1996 | | | | | | | | | | | | | | |
| 1997 | | | | | | | | | | | | | | |
| 1998 | | | | | | | | | | | | | | |
| 1999 | | | | | | | | | | | | | | |
| 2000 | | | | | | | | | | | | | | |
| 2001 | | | | | | | | | | | | | | |
| 2002 | | | | | | | | | | | | | | |
| 2003 | | | 91.56 | 86.55 | 63.17 | 51.26 | 44.77 | 53.45 | 83.87 | 63.93 | 64.06 | 70.13 | 77.23 | 66.64 |
| 2004 | 90.42 | 87.00 | 74.16 | 74.20 | 37.81 | 38.67 | 56.48 | 73.68 | 65.93 | 76.77 | 83.43 | 89.00 | | 71.80 |
| 2005 | 93.77 | 96.50 | 92.26 | 72.27 | 84.50 | | | | | | | | | 88.44 |
| 2006 | | | | 52.62 | 44.23 | 43.13 | 76.00 | 91.87 | 80.13 | 87.32 | 70.60 | 86.35 | | 70.64 |
| 2007 | 90.65 | 89.96 | 70.48 | 72.87 | 73.65 | 39.30 | 70.03 | 82.68 | 71.33 | 66.10 | 65.23 | 92.45 | | 73.72 |
| 2008 | 89.26 | 92.52 | 65.52 | 43.73 | 60.00 | 43.17 | 83.71 | 77.45 | 65.43 | 57.52 | 70.40 | 85.71 | | 69.56 |
| Grand Total | 91.02 | 91.47 | 77.79 | 63.38 | 55.66 | 41.87 | 67.94 | 81.91 | 69.35 | 70.35 | 71.96 | 86.15 | | 71.82 |

Average Minimum Humidity (percent)

| Average of ZuniButtes RAWS2 | | Month | | | | | | | | | | | | Grand Total |
|-----------------------------|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|----|-------------|
| Year | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| 1992 | | | | | | | | | | | | | | |
| 1993 | | | | | | | | | | | | | | |
| 1994 | | | | | | | | | | | | | | |
| 1995 | | | | | | | | | | | | | | |
| 1996 | | | | | | | | | | | | | | |
| 1997 | | | | | | | | | | | | | | |
| 1998 | | | | | | | | | | | | | | |
| 1999 | | | | | | | | | | | | | | |
| 2000 | | | | | | | | | | | | | | |
| 2001 | | | | | | | | | | | | | | |
| 2002 | | | | | | | | | | | | | | |
| 2003 | | 44.56 | 30.65 | 14.67 | 12.35 | 9.37 | 11.00 | 22.35 | 15.70 | 16.19 | 24.13 | 25.06 | | 18.93 |
| 2004 | 36.39 | 30.45 | 19.84 | 20.90 | 7.67 | 7.22 | 13.13 | 19.13 | 19.77 | 21.06 | 34.20 | 35.27 | | 22.55 |
| 2005 | 45.23 | 48.21 | 34.87 | 17.37 | 22.33 | | | | | | | | | 35.62 |
| 2006 | | | | 11.96 | 9.55 | 9.33 | 23.29 | 33.71 | 26.53 | 32.32 | 23.93 | 33.32 | | 22.89 |
| 2007 | 39.19 | 34.46 | 20.23 | 18.23 | 20.52 | 9.93 | 19.77 | 25.74 | 18.30 | 15.74 | 19.13 | 40.65 | | 23.48 |
| 2008 | 35.48 | 37.48 | 14.06 | 8.97 | 14.68 | 9.33 | 25.13 | 21.94 | 17.13 | 16.26 | 24.83 | 36.23 | | 21.78 |
| Grand Total | 39.07 | 38.10 | 23.93 | 15.43 | 13.68 | 9.07 | 18.46 | 24.57 | 19.49 | 20.32 | 25.25 | 34.10 | | 22.92 |