

U. S. DEPARTMENT OF AGRICULTURE

WEATHER BUREAU

CHARLES F. MARVIN, CHIEF.

ANNUAL
METEOROLOGICAL
SUMMARY

1922

BAKER, OREGON

COMPILED UNDER THE DIRECTION OF
W. D. MAXWELL
OBSERVER

PORTLAND, OREGON,
U. S. WEATHER BUREAU

COMPARATIVE DATA.
Monthly and Annual Precipitation.

| Year. | Jan. | Feb. | Mar. | Apr. | May | Jun. | July | Aug. | Sep. | Oct. | Nov. | Dec. | An'l |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 1890... | 1.55 | 2.08 | 1.99 | 0.36 | 1.33 | 2.07 | 0.01 | 0.12 | 1.22 | 1.02 | T. | 0.75 | 12.50 |
| 1891... | 2.04 | 2.59 | 1.40 | 0.37 | 1.37 | 2.59 | 1.83 | 0.43 | 0.14 | 0.16 | 1.31 | 4.00 | 18.23 |
| 1892... | 0.39 | 0.78 | 1.77 | 1.52 | 2.84 | 1.24 | 0.05 | T. | 0.76 | 0.39 | 0.65 | 1.59 | 12.56 |
| 1893... | 0.82 | 1.62 | 1.50 | 1.85 | 1.54 | 0.04 | 0.49 | T. | 1.92 | 2.52 | 2.56 | 0.97 | 15.83 |
| 1894... | 3.40 | 1.59 | 2.36 | 1.64 | 2.43 | 1.74 | 1.28 | 0.55 | 0.28 | 1.13 | 0.04 | 1.39 | 17.83 |
| 1895... | 2.99 | 0.98 | 1.05 | 0.95 | 1.25 | 0.10 | 0.13 | 0.39 | 2.31 | T. | 0.33 | 1.52 | 12.00 |
| 1896... | 1.57 | 0.84 | 1.09 | 1.07 | 2.38 | 1.49 | 0.97 | 0.36 | 0.20 | 0.31 | 1.91 | 1.18 | 13.37 |
| 1897... | 0.74 | 1.82 | 2.08 | 0.64 | 1.55 | 1.93 | 0.24 | 0.90 | 1.11 | 0.33 | 1.80 | 1.54 | 14.08 |
| 1898... | 0.82 | 0.58 | 0.27 | 0.27 | 2.17 | 0.74 | 0.33 | 0.31 | 0.47 | 0.55 | 1.33 | 0.71 | 8.55 |
| 1899... | 1.46 | 1.96 | 1.74 | 1.23 | 2.08 | 0.51 | 0.38 | 1.02 | 0.12 | 1.75 | 1.70 | 1.64 | 15.14 |
| 1900... | 0.74 | 1.05 | 0.83 | 1.49 | 1.92 | 1.55 | 0.28 | 0.92 | 1.06 | 1.98 | 1.17 | 0.85 | 13.84 |
| 1901... | 0.80 | 1.83 | 0.97 | 0.92 | 1.03 | 0.96 | 0.02 | 0.24 | 1.16 | 0.35 | 0.70 | 1.66 | 10.64 |
| 1902... | 0.56 | 2.28 | 0.83 | 0.78 | 1.74 | 0.53 | 0.10 | 0.48 | 0.44 | 0.90 | 1.73 | 2.43 | 12.80 |
| 1903... | 1.15 | 0.31 | 0.56 | 0.09 | 0.49 | 1.29 | 0.21 | 0.57 | 1.06 | 1.14 | 2.42 | 0.68 | 10.57 |
| 1904... | 0.65 | 2.10 | 1.55 | 1.07 | 0.82 | 0.60 | 0.71 | 0.39 | 0.49 | 1.87 | 0.17 | 1.62 | 12.34 |
| 1905... | 1.47 | 0.43 | 1.66 | 1.20 | 0.99 | 2.59 | 0.18 | T. | 0.90 | 1.02 | 0.96 | 0.79 | 12.19 |
| 1906... | 1.51 | 1.01 | 2.34 | 0.27 | 2.91 | 1.22 | 0.33 | 0.39 | 0.63 | 0.10 | 1.09 | 1.76 | 13.56 |
| 1907... | 1.92 | 1.25 | 0.97 | 0.87 | 0.51 | 1.33 | 1.10 | 0.38 | 0.41 | 0.44 | 0.40 | 1.32 | 10.90 |
| 1908... | 0.39 | 0.30 | 0.32 | 0.93 | 1.01 | 0.56 | 2.08 | 0.42 | 1.01 | 0.57 | 0.15 | 0.37 | 8.61 |
| 1909... | 1.61 | 1.35 | 0.86 | 0.25 | 1.47 | 1.66 | 0.64 | 0.01 | 1.59 | 0.57 | 1.90 | 1.64 | 13.55 |
| 1910... | † | † | † | † | † | † | † | † | † | † | † | † | † |
| 1911... | † | † | 0.11 | 0.62 | 1.47 | 1.93 | 0.01 | 0.12 | 0.31 | 1.45 | 1.45 | 0.83 | 8.30 |
| 1912... | 1.67 | 0.98 | 1.03 | 1.05 | 1.70 | 1.84 | 1.65 | 1.69 | 0.32 | 0.36 | 0.23 | 1.25 | 13.77 |
| 1913... | 1.55 | 0.37 | 1.60 | 1.90 | 1.10 | 2.76 | 0.47 | 1.07 | 0.55 | 1.07 | 0.64 | 1.10 | 14.18 |
| 1914... | 1.73 | 0.94 | 0.33 | 2.01 | 0.87 | 1.67 | 0.71 | 0.01 | 0.76 | 1.14 | 0.16 | 0.56 | 10.89 |
| 1915... | 0.73 | 1.17 | 1.33 | 1.59 | 3.18 | 0.45 | 1.09 | T. | 0.07 | 0.05 | 2.14 | 1.95 | 13.79 |
| 1916... | 0.85 | 1.91 | 0.89 | 0.85 | 1.73 | 1.43 | 1.21 | 1.08 | 0.28 | 0.21 | 0.35 | 1.12 | 11.91 |
| 1917... | 1.35 | 1.06 | 0.72 | 1.59 | 0.71 | 0.23 | 0.94 | 0.02 | 2.44 | 0.07 | 0.92 | 1.4 | 10.29 |
| 1918... | 1.93 | 0.43 | 0.62 | 0.38 | 0.02 | 0.19 | 1.12 | 0.52 | 0.53 | 0.71 | 0.56 | 0.30 | 7.71 |
| 1919... | 0.62 | 1.39 | 0.73 | 0.67 | 0.19 | T. | T. | 0.46 | 0.26 | 0.77 | 1.61 | 1.14 | 7.84 |
| 1920... | 0.16 | 0.04 | 1.66 | 0.98 | 1.27 | 0.70 | 0.32 | 1.42 | 0.53 | 1.14 | 0.53 | 1.21 | 9.96 |
| 1921... | 2.21 | 1.85 | 0.50 | 0.66 | 2.99 | 0.81 | 0.08 | 0.18 | 0.80 | 0.27 | 2.47 | 0.97 | 13.29 |
| 1922... | 0.61 | 0.87 | 1.01 | 0.71 | 0.41 | 0.61 | 0.01 | 1.06 | 0.11 | 0.40 | 0.52 | 1.74 | 8.06 |
| Means | 1.29 | 1.20 | 1.16 | 0.97 | 1.48 | 1.17 | 0.56 | 0.54 | 0.76 | 0.77 | 1.06 | 1.31 | 12.18 |

† Records destroyed by fire. Office closed until Feb. 21, 1911.

Extremes of Wind and Precipitation.

| Month | Precipitation. | | | Wind. | | | |
|----------------|--------------------------|-------|-------|--------------|------|-------|------|
| | 24-hour maxi- mum. | Year. | Day. | Max. vel. | Dir. | Year. | Day. |
| January..... | 1.04 | 1894 | 6-7 | 49 | sw. | 1914 | 26 |
| February..... | 0.73 | 1916 | 1-2 | 48 | sw. | 1918 | 6 |
| March..... | 1.00 | 1892 | 26-27 | 40 | se. | 1900 | 8 |
| April..... | 1.06 | 1913 | 15 | 40 | sw. | 1902 | 7 |
| May..... | 1.25 | 1906 | 28-29 | 36 | sw. | 1905† | 16† |
| June..... | 1.51 | 1913 | 8-9 | 46 | s. | 1892 | 6 |
| July..... | 1.16 | 1891 | 10 | 34 | se. | 1920 | 3 |
| August..... | 1.30 | 1912 | 2-3 | 36 | sw. | 1905 | 27 |
| September..... | 1.83 | 1917 | 22-23 | 35 | sw. | 1897 | 20 |
| October..... | 1.06 | 1893 | 8-9 | 40 | s. | 1897 | 21 |
| November..... | 1.08 | 1921 | 19-20 | 36 | sw. | 1896 | 15 |
| December..... | 1.42 | 1891 | 25-26 | 50 | sw. | 1909 | 21 |

† On other dates also

ANNUAL METEOROLOGICAL SUMMARY, 1922.

| MONTH. | TEMPERATURE (deg. Fahr.) | | | | | | | MOISTURE. | | | | | Sunshine (percent- age of possible). | Average cloudiness (scale, 0-10). | Average hourly velocity | Prevailing direction. | WIND. | | | NUMBER OF DAYS. | | | | | | | | | | | |
|--------------|--------------------------|----------|----------|-----------|-----------|----------|------------|---------------------------------|---|-----------------------|-------------|---------------------------|---|--------------------------------------|----------------------------|--------------------------|-------------------------------------|--------|----------------|-----------------|------------------------------------|---------------|------------|------------------------------------|------------------|------------------|------------------|---------|----|-----|----|
| | MEAN. | | | EXTREMES. | | | | Relative Hu- midity, per ct. | PRECIPITATION. (in. and hundredths.) | | | | | | | | Gales, 40 miles per hr. or over. | Clear. | Partly cloudy. | Cloudy. | Precipitation 0.01 in. or over. | Thunderstorms | Dense fog. | Snow (0.01 in. or more melted). | MAXIMUM TEMP. | | MINIMUM TEMP. | | | | |
| | Maximum. | Minimum. | Monthly. | Maximum. | Date. | Minimum. | Date. | | Total. | Maximum in 24 hrs. | Date. | Snowfall, in. & 10ths. | | | | | | | | | | | | | 32° or below. | 90° or above. | 32° or below. | Zero or | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| January.... | 24 | 5 | 14 | 36 | 1 | -16 | 19 | 83 | 0.61 | 0.23 | 26-27 | 10.1 | 53 | 6.0 | 5.8 | se | 21 | nw | 17 | 0 | 7 | 8 | 16 | 11 | 0 | 5 | 11 | 23 | 0 | 31 | 1 |
| February.... | 32 | 17 | 25 | 41 | 17 | -8 | 1 | 76 | 0.87 | 0.27 | 19-20 | 11.3 | 53 | 6.3 | 6.2 | se | 25 | se | 8 | 0 | 4 | 9 | 15 | 16 | 0 | 0 | 14 | 13 | 0 | 28 | |
| March..... | 40 | 23 | 32 | 55 | 21 | 2 | 11 | 74 | 1.01 | 0.20 | 22-23 | 6.0 | 48 | 6.0 | 7.0 | se | 23 | se | 12 | 0 | 8 | 11 | 12 | 16 | 0 | 0 | 8 | 4 | 0 | 26 | |
| April..... | 50 | 31 | 41 | 66 | 21 | 22 | 12 | 66 | 0.71 | 0.36 | 3-4 | 0.3 | 52 | 5.5 | 7.1 | se | 33 | nw | 5 | 0 | 6 | 16 | 8 | 9 | 0 | 0 | 5 | 0 | 0 | 18 | |
| May..... | 63 | 37 | 50 | 82 | 16 | 21 | 9 | 58 | 0.41 | 0.21 | 20 | T. | 63 | 4.4 | 6.7 | nw | 27 | nw | 25 | 0 | 16 | 4 | 11 | 6 | 0 | 0 | 1 | 0 | 0 | 5 | |
| June..... | 79 | 48 | 63 | 91 | 25 | 40 | 23 | 54 | 0.61 | 0.23 | 7-8 | 0 | 80 | 3.1 | 5.9 | se | 30 | sw | 16 | 0 | 17 | 9 | 4 | 5 | 4 | 0 | 0 | 0 | 2 | 0 | |
| July..... | 84 | 51 | 68 | 97 | 3 | 44 | 16 | 42 | 0.01 | 0.01 | 26 | 0 | 79 | 3.2 | 5.8 | nw | 20 | nw | 7 | 0 | 17 | 13 | 1 | 1 | 1 | 0 | 0 | 0 | 5 | 0 | |
| August..... | 82 | 52 | 67 | 96 | 27 | 40 | 13 | 52 | 1.06 | 0.83 | 3-4 | 0 | 72 | 4.2 | 5.9 | se | 25 | se | 9 | 0 | 13 | 15 | 3 | 8 | 6 | 0 | 0 | 0 | 5 | 0 | |
| September.. | 77 | 43 | 60 | 91 | 20 | 30 | 29 | 46 | 0.11 | 0.07 | 27 | 0 | 82 | 2.4 | 5.9 | se | 21 | se | 26 | 0 | 22 | 5 | 3 | 3 | 0 | 0 | 0 | 0 | 1 | 2 | |
| October.... | 64 | 35 | 50 | 80 | 10 | 20 | 30 | 56 | 0.40 | 0.17 | 11 | 0 | 56 | 5.3 | 6.4 | se | 30 | sw | 2 | 0 | 13 | 6 | 12 | 5 | 1 | 0 | 0 | 0 | 0 | 11 | |
| November.. | 43 | 24 | 33 | 55 | 17 | 12 | 30 | 72 | 0.52 | 0.35 | 9-10 | T. | 49 | 5.6 | 5.7 | se | 25 | nw | 2 | 0 | 12 | 4 | 14 | 5 | 0 | 1 | 0 | 1 | 0 | 28 | |
| December.. | 32 | 17 | 24 | 47 | 24 | -4 | 12 | 84 | 1.74 | 0.37 | 23 | 12.3 | 17 | 8.5 | 6.4 | se | 30 | s | 9 | 0 | 0 | 6 | 25 | 15 | 0 | 3 | 14 | 14 | 0 | 30 | |
| Year..... | 56 | 32 | 44 | 97 | July 3 | -16 | Jan. 19 | 64 | 8.06 | 0.83 | Aug. 3-4 | 40.0 | 59 | 5.0 | 6.2 | se | 36 | nw | Apr. 5 | 0 | 135 | 106 | 124 | 100 | 12 | 9 | 53 | 60 | 13 | 179 | 11 |

COMPARATIVE DATA.
Monthly and Annual Mean Temperatures.

| Year. | Jan. | Feb. | Mar. | Apr. | May | Jun. | July | Aug. | Sep. | Oct. | Nov. | Dec. | An'l |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|------|
| 1890... | 16 | 28 | 38 | 47 | 55 | 56 | 66 | 64 | 59 | 46 | 38 | 32 | 45 |
| 1891... | 24 | 23 | 32 | 46 | 56 | 56 | 66 | 67 | 57 | 49 | 37 | 24 | 45 |
| 1892... | 21 | 26 | 38 | 41 | 63 | 59 | 64 | 65 | 59 | 48 | 37 | 29 | 45 |
| 1893... | 25 | 24 | 32 | 41 | 50 | 55 | 65 | 66 | 55 | 44 | 34 | 33 | 44 |
| 1894... | 26 | 22 | 35 | 45 | 54 | 57 | 67 | 69 | 55 | 47 | 41 | 27 | 45 |
| 1895... | 26 | 29 | 38 | 48 | 52 | 58 | 64 | 66 | 52 | 51 | 34 | 27 | 45 |
| 1896... | 30 | 36 | 37 | 41 | 46 | 60 | 70 | 67 | 56 | 49 | 31 | 35 | 46 |
| 1897... | 27 | 30 | 29 | 47 | 58 | 57 | 62 | 70 | 56 | 47 | 36 | 28 | 46 |
| 1898... | 20 | 35 | 34 | 48 | 51 | 60 | 67 | 71 | 58 | 45 | 40 | 22 | 45 |
| 1899... | 31 | 24 | 35 | 43 | 47 | 57 | 67 | 59 | 61 | 43 | 42 | 24 | 44 |
| 1900... | 32 | 31 | 44 | 46 | 54 | 64 | 66 | 61 | 55 | 46 | 37 | 33 | 47 |
| 1901... | 30 | 30 | 38 | 42 | 56 | 63 | 66 | 70 | 52 | 53 | 41 | 29 | 47 |
| 1902... | 26 | 35 | 36 | 44 | 52 | 58 | 62 | 64 | 57 | 49 | 36 | 29 | 46 |
| 1903... | 26 | 22 | 36 | 4 | 51 | 64 | 63 | 65 | 54 | 50 | 39 | 28 | 45 |
| 1904... | 26 | 31 | 35 | 47 | 53 | 58 | 65 | 69 | 60 | 50 | 43 | 29 | 47 |
| 1905... | 28 | 30 | 42 | 47 | 49 | 57 | 69 | 67 | 58 | 43 | 37 | 28 | 46 |
| 1906... | 25 | 29 | 30 | 48 | 51 | 56 | 72 | 67 | 59 | 49 | 34 | 33 | 46 |
| 1907... | 23 | 40 | 39 | 44 | 54 | 55 | 65 | 61 | 56 | 54 | 38 | 31 | 47 |
| 1908... | 30 | 34 | 38 | 47 | 47 | 56 | 69 | 65 | 58 | 46 | 40 | 26 | 46 |
| 1909... | 30 | 34 | 41 | 41 | 48 | 60 | 63 | 66 | 58 | 49 | 38 | 19 | 46 |
| 1910... | † | † | † | † | † | † | † | † | † | † | † | † | † |
| 1911... | † | † | 40 | 42 | 48 | 59 | 67 | 63 | 53 | 45 | 33 | 26 | † |
| 1912... | 26 | 31 | 35 | 43 | 51 | 60 | 62 | 60 | 52 | 42 | 39 | 27 | 44 |
| 1913... | 21 | 23 | 33 | 44 | 52 | 58 | 64 | 65 | 56 | 43 | 38 | 27 | 44 |
| 1914... | 32 | 27 | 42 | 46 | 55 | 55 | 68 | 66 | 54 | 49 | 39 | 21 | 46 |
| 1915... | 23 | 36 | 42 | 49 | 50 | 56 | 63 | 71 | 55 | 49 | 32 | 26 | 46 |
| 1916... | 16 | 32 | 40 | 46 | 47 | 56 | 62 | 64 | 56 | 44 | 31 | 23 | 43 |
| 1917... | 18 | 24 | 25 | 40 | 49 | 56 | 70 | 67 | 60 | 48 | 40 | 39 | 45 |
| 1918... | 36 | 29 | 40 | 44 | 48 | 66 | 66 | 61 | 60 | 49 | 35 | 26 | 46 |
| 1919... | 30 | 29 | 38 | 46 | 52 | 59 | 68 | 68 | 56 | 40 | 34 | 19 | 45 |
| 1920... | 28 | 34 | 37 | 41 | 48 | 56 | 68 | 66 | 56 | 44 | 36 | 30 | 45 |
| 1921... | 28 | 28 | 39 | 41 | 52 | 61 | 65 | 66 | 50 | 50 | 40 | 31 | 46 |
| 1922... | 14 | 24 | 32 | 41 | 50 | 63 | 68 | 67 | 60 | 50 | 33 | 24 | 44 |
| Means | 26 | 29 | 36 | 44 | 52 | 58 | 66 | 65 | 56 | 47 | 37 | 28 | 45 |

† Records destroyed by fire. Office closed until Feb. 21, 1911.

Extremes of Temperature.

| Month | Maxi- mum. | Year | Day | Mini- mum. | Year | Day |
|-----------------|---------------|------|-----|---------------|------|-----|
| January | 55 | 1920 | 16 | -16 | 1922 | 19 |
| February | 59 | 1898 | 14 | -20 | 1899 | 4 |
| March | 74 | 1911 | 31 | -12 | 1917 | 1 |
| April | 83 | 1898 | 25 | 15 | 1911 | 13 |
| May | 88 | 1903 | 31 | 21 | 1922 | 9 |
| June | 97 | 1892 | 27 | 27 | 1892 | 2 |
| July | 102 | 1908 | 31 | 34 | 1921 | 3 |
| August | 101 | 1898 | 10 | 31 | 1912 | 30 |
| September | 94 | 1908 | 5 | 21 | 1921 | 12 |
| October | 85 | 1889 | 5 | 12 | 1919 | 27 |
| November | 66 | 1909 | 3 | -8 | 1896 | 29 |
| December | 58 | 1917 | 27 | -24 | 1919 | 13 |