

Summary of Monthly Normals  
1991-2020

Current Location: Elev: 3820 ft. Lat: 34.8172° N Lon: 102.4003° W  
Station: **HEREFORD, TX US USC00414098**  
Generated on 04/27/2024

| Temperature (°F) |           |           |      |                       |                       |                       |                     |       |       |       |       |       |                     |       |       |       |                     |           |           |           |           |          |
|------------------|-----------|-----------|------|-----------------------|-----------------------|-----------------------|---------------------|-------|-------|-------|-------|-------|---------------------|-------|-------|-------|---------------------|-----------|-----------|-----------|-----------|----------|
| Mean             |           |           |      |                       |                       |                       | Cooling Degree Days |       |       |       |       |       | Heating Degree Days |       |       |       | Mean Number of Days |           |           |           |           |          |
|                  |           |           |      |                       |                       |                       | Base (above)        |       |       |       |       |       | Base (above)        |       |       |       |                     |           |           |           |           |          |
| Month            | Daily Max | Daily Min | Mean | Long Term Max Std Dev | Long Term Min Std Dev | Long Term Avg Std Dev | 55                  | 57    | 60    | 65    | 70    | 72    | 55                  | 57    | 60    | 65    | Max >= 100          | Max >= 90 | Max >= 50 | Max <= 32 | Min <= 32 | Min <= 0 |
| 01               | 51.1      | 22.5      | 36.8 | 4.3                   | 2.7                   | 2.9                   | 0.4                 | 0.1   | 0.0   | 0.0   | 0.0   | 0.0   | 564.5               | 626.2 | 719.1 | 874.1 | 0.0                 | 0.0       | 18.2      | 3.2       | 28.2      | 0.1      |
| 02               | 55.5      | 25.3      | 40.4 | 4.9                   | 3.1                   | 3.6                   | 4.2                 | 2.0   | 0.6   | 0.0   | 0.0   | 0.0   | 412.9               | 466.7 | 549.3 | 688.7 | 0.0                 | 0.0       | 19.1      | 1.7       | 22.7      | 0.2      |
| 03               | 64.3      | 32.4      | 48.3 | 3.6                   | 3.0                   | 2.9                   | 36.0                | 22.8  | 10.2  | 1.8   | 0.0   | 0.0   | 242.2               | 290.9 | 371.3 | 518.0 | 0.0                 | 0.0       | 26.5      | 0.7       | 14.7      | 0.0      |
| 04               | 72.4      | 39.7      | 56.1 | 3.5                   | 2.6                   | 2.7                   | 125.6               | 93.1  | 53.3  | 14.2  | 2.3   | 1.0   | 94.0                | 121.5 | 171.7 | 282.6 | 0.0                 | 0.8       | 28.3      | 0.1       | 5.4       | 0.0      |
| 05               | 81.1      | 50.3      | 65.7 | 4.1                   | 2.1                   | 2.9                   | 347.0               | 293.1 | 218.4 | 113.8 | 45.9  | 29.1  | 15.2                | 23.3  | 41.6  | 92.1  | 0.6                 | 7.5       | 30.8      | 0.0       | 0.4       | 0.0      |
| 06               | 90.2      | 60.6      | 75.4 | 3.5                   | 2.1                   | 2.6                   | 612.0               | 552.1 | 462.7 | 316.1 | 181.2 | 134.3 | 0.2                 | 0.3   | 0.9   | 4.3   | 3.1                 | 17.3      | 30.0      | 0.0       | 0.0       | 0.0      |
| 07               | 92.4      | 64.8      | 78.6 | 3.0                   | 1.6                   | 2.1                   | 731.5               | 669.5 | 576.5 | 422.0 | 270.3 | 211.9 | 0.0                 | 0.0   | 0.1   | 0.5   | 2.9                 | 22.9      | 31.0      | 0.0       | 0.0       | 0.0      |
| 08               | 90.7      | 63.5      | 77.1 | 3.1                   | 1.7                   | 2.3                   | 684.9               | 622.9 | 530.0 | 376.3 | 227.3 | 171.3 | 0.0                 | 0.0   | 0.1   | 1.3   | 1.6                 | 19.6      | 31.0      | 0.0       | 0.0       | 0.0      |
| 09               | 83.5      | 55.8      | 69.7 | 3.5                   | 2.6                   | 2.8                   | 444.4               | 387.3 | 304.5 | 177.7 | 77.4  | 48.1  | 5.0                 | 7.9   | 15.1  | 38.3  | 0.2                 | 8.2       | 29.9      | 0.0       | 0.0       | 0.0      |
| 10               | 72.6      | 43.3      | 57.9 | 3.1                   | 2.4                   | 2.2                   | 165.3               | 126.6 | 78.4  | 26.1  | 4.4   | 1.5   | 73.8                | 97.0  | 141.9 | 244.6 | 0.0                 | 1.0       | 29.4      | 0.2       | 2.7       | 0.0      |
| 11               | 60.3      | 31.3      | 45.8 | 4.9                   | 2.9                   | 3.6                   | 22.1                | 13.8  | 5.4   | 0.8   | 0.1   | 0.0   | 298.0               | 349.7 | 431.3 | 576.8 | 0.0                 | 0.0       | 23.8      | 0.8       | 16.9      | 0.1      |
| 12               | 51.1      | 23.8      | 37.4 | 3.8                   | 2.1                   | 2.5                   | 1.1                 | 0.4   | 0.0   | 0.0   | 0.0   | 0.0   | 545.0               | 606.3 | 698.8 | 853.9 | 0.0                 | 0.0       | 17.5      | 2.9       | 27.3      | 0.2      |
| Summary          | 72.1      | 42.8      | 57.4 | 3.8                   | 2.4                   | 2.8                   | 3174                | 2784  | 2240  | 1449  | 809   | 597   | 2251                | 2590  | 3141  | 4175  | 8.4                 | 77.3      | 315.5     | 9.6       | 118.3     | 0.6      |

Empty or blank cells indicate data is missing or insufficient occurrences to compute value

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| Precipitation (in.) |        |                     |         |         |         |                                                                                                                        |       |       |  |
|---------------------|--------|---------------------|---------|---------|---------|------------------------------------------------------------------------------------------------------------------------|-------|-------|--|
|                     | Totals | Mean Number of Days |         |         |         | Precipitation Probabilities<br>Probability that precipitation will be<br>equal to or less than<br>the indicated amount |       |       |  |
|                     | Means  | Daily Precipitation |         |         |         | Monthly Precipitation<br>vs. Probability Levels                                                                        |       |       |  |
| Month               | Mean   | >= 0.01             | >= 0.10 | >= 0.50 | >= 1.00 | 0.25                                                                                                                   | 0.50  | 0.75  |  |
| 01                  | 0.64   | 2.8                 | 1.3     | 0.4     | 0.1     | 0.04                                                                                                                   | 0.46  | 1.00  |  |
| 02                  | 0.45   | 3.2                 | 1.6     | 0.1     | 0.0     | 0.13                                                                                                                   | 0.32  | 0.60  |  |
| 03                  | 1.22   | 4.3                 | 2.6     | 0.6     | 0.3     | 0.35                                                                                                                   | 0.86  | 1.93  |  |
| 04                  | 1.09   | 4.8                 | 2.7     | 0.7     | 0.0     | 0.32                                                                                                                   | 0.94  | 1.46  |  |
| 05                  | 2.09   | 6.4                 | 3.9     | 1.6     | 0.5     | 0.78                                                                                                                   | 1.69  | 2.81  |  |
| 06                  | 3.34   | 7.6                 | 5.1     | 2.2     | 0.8     | 1.64                                                                                                                   | 3.24  | 4.76  |  |
| 07                  | 2.34   | 6.9                 | 4.3     | 1.6     | 0.5     | 1.13                                                                                                                   | 1.93  | 3.75  |  |
| 08                  | 3.04   | 8.3                 | 4.9     | 2.0     | 0.7     | 1.74                                                                                                                   | 3.07  | 4.06  |  |
| 09                  | 1.86   | 5.7                 | 3.3     | 1.2     | 0.4     | 0.69                                                                                                                   | 1.58  | 2.21  |  |
| 10                  | 1.85   | 5.2                 | 2.9     | 1.0     | 0.6     | 0.53                                                                                                                   | 1.00  | 2.50  |  |
| 11                  | 0.69   | 3.7                 | 2.0     | 0.4     | 0.0     | 0.24                                                                                                                   | 0.55  | 0.96  |  |
| 12                  | 0.72   | 3.6                 | 1.7     | 0.4     | 0.0     | 0.16                                                                                                                   | 0.42  | 0.99  |  |
| Summary             | 19.33  | 62.5                | 36.3    | 12.2    | 3.9     | 7.75                                                                                                                   | 16.06 | 27.03 |  |

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U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service

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Summary of Monthly Normals  
1991-2020  
Generated on 04/27/2024

National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

| Snow (in.) |                  |                        |     |     |      |       |                          |     |     |     |                                                                                                   |      |      |
|------------|------------------|------------------------|-----|-----|------|-------|--------------------------|-----|-----|-----|---------------------------------------------------------------------------------------------------|------|------|
|            | Totals           | Mean Number of Days    |     |     |      |       |                          |     |     |     | Snow Probabilities<br>Probability that snow will be equal to<br>or less than the indicated amount |      |      |
|            | Means            | Snowfall >= Thresholds |     |     |      |       | Snow Depth >= Thresholds |     |     |     | Monthly Snow vs. Probability Levels<br>Values derived from the<br>incomplete gamma distribution.  |      |      |
| Month      | Snowfall<br>Mean | 0.01                   | 1.0 | 3.0 | 5.00 | 10.00 | 1                        | 3   | 5   | 10  | .25                                                                                               | .50  | .75  |
| 01         | 3.20             | 1.7                    | 1.0 | 0.4 | 0.2  | 0.0   | 2.8                      | 1.6 | 0.8 | 0.1 | 0.60                                                                                              | 1.50 | 5.00 |
| 02         | 1.70             | 1.2                    | 0.7 | 0.2 | 0.0  | 0.0   | 2.5                      | 1.0 | 0.5 | 0.1 | 0.00                                                                                              | 0.00 | 2.00 |
| 03         | 1.90             | 1.0                    | 0.7 | 0.3 | 0.0  | 0.0   | 0.9                      | 0.2 | 0.1 | 0.0 | 0.00                                                                                              | 1.00 | 3.00 |
| 04         | 0.70             | 0.3                    | 0.2 | 0.1 | 0.0  | 0.0   | 0.3                      | 0.1 | 0.1 | 0.0 | 0.00                                                                                              | 0.00 | 0.00 |
| 05         | 0.10             | 0.1                    | 0.0 | 0.0 | 0.0  | 0.0   | 0.0                      | 0.0 | 0.0 | 0.0 | 0.00                                                                                              | 0.00 | 0.00 |
| 06         | 0.00             | 0.0                    | 0.0 | 0.0 | 0.0  | 0.0   | 0.0                      | 0.0 | 0.0 | 0.0 | 0.00                                                                                              | 0.00 | 0.00 |
| 07         | 0.00             | 0.0                    | 0.0 | 0.0 | 0.0  | 0.0   | 0.0                      | 0.0 | 0.0 | 0.0 | 0.00                                                                                              | 0.00 | 0.00 |
| 08         | 0.00             | 0.0                    | 0.0 | 0.0 | 0.0  | 0.0   | 0.0                      | 0.0 | 0.0 | 0.0 | 0.00                                                                                              | 0.00 | 0.00 |
| 09         | 0.00             | 0.0                    | 0.0 | 0.0 | 0.0  | 0.0   | 0.0                      | 0.0 | 0.0 | 0.0 | 0.00                                                                                              | 0.00 | 0.00 |
| 10         | 0.60             | 0.2                    | 0.2 | 0.1 | 0.0  | 0.0   | 0.1                      | 0.1 | 0.0 | 0.0 | 0.00                                                                                              | 0.00 | 0.00 |
| 11         | 2.50             | 0.9                    | 0.8 | 0.3 | 0.2  | 0.0   | 1.4                      | 0.6 | 0.3 | 0.0 | 0.00                                                                                              | 1.00 | 3.50 |
| 12         | 3.60             | 1.8                    | 1.3 | 0.4 | 0.2  | 0.0   | 3.9                      | 1.9 | 1.0 | 0.1 | 0.00                                                                                              | 2.00 | 4.30 |
| Summary    | 14.3             | 7.2                    | 4.9 | 1.8 | 0.6  | 0.0   | 11.9                     | 5.5 | 2.8 | 0.3 | 0.6                                                                                               | 5.5  | 17.8 |

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| Growing Degree Units (Monthly)          |      |       |       |       |       |        |        |        |       |       |       |      |
|-----------------------------------------|------|-------|-------|-------|-------|--------|--------|--------|-------|-------|-------|------|
| Base                                    | Jan  | Feb   | Mar   | Apr   | May   | Jun    | Jul    | Aug    | Sep   | Oct   | Nov   | Dec  |
| Growing Degree Units (Monthly)          |      |       |       |       |       |        |        |        |       |       |       |      |
| Base                                    | Jan  | Feb   | Mar   | Apr   | May   | Jun    | Jul    | Aug    | Sep   | Oct   | Nov   | Dec  |
| 40                                      | 69.4 | 118.2 | 296.2 | 489.8 | 797.1 | 1061.8 | 1196.5 | 1149.9 | 889.5 | 563.4 | 227.9 | 79.9 |
| 45                                      | 24.9 | 55.2  | 179.5 | 351.6 | 643.1 | 911.7  | 1041.5 | 994.9  | 739.9 | 417.5 | 130.9 | 31.1 |
| 50                                      | 5.9  | 18.6  | 90.9  | 226.9 | 491.3 | 761.8  | 886.5  | 839.9  | 591.3 | 281.7 | 61.1  | 8.0  |
| 55                                      | 0.4  | 4.2   | 36.0  | 125.6 | 347.0 | 612.0  | 731.5  | 684.9  | 444.4 | 165.3 | 22.1  | 1.1  |
| 60                                      | 0.0  | 0.6   | 10.2  | 53.3  | 218.4 | 462.7  | 576.5  | 530.0  | 304.5 | 78.4  | 5.4   | 0.0  |
| Growing Degree Units for Corn (Monthly) |      |       |       |       |       |        |        |        |       |       |       |      |
| 50/86                                   | 89.4 | 125.8 | 242.9 | 339.9 | 496.5 | 676.5  | 776.7  | 751.0  | 569.6 | 364.8 | 183.9 | 90.1 |

| Growing Degree Units (Accumulated Monthly)          |    |     |     |     |      |      |      |      |      |      |      |      |
|-----------------------------------------------------|----|-----|-----|-----|------|------|------|------|------|------|------|------|
| 40                                                  | 69 | 188 | 484 | 974 | 1771 | 2832 | 4029 | 5179 | 6068 | 6632 | 6860 | 6940 |
| 45                                                  | 25 | 80  | 260 | 611 | 1254 | 2166 | 3208 | 4202 | 4942 | 5360 | 5491 | 5522 |
| 50                                                  | 6  | 24  | 115 | 342 | 834  | 1595 | 2482 | 3322 | 3913 | 4195 | 4256 | 4264 |
| 55                                                  | 0  | 5   | 41  | 166 | 513  | 1125 | 1857 | 2542 | 2986 | 3151 | 3173 | 3174 |
| 60                                                  | 0  | 1   | 11  | 64  | 282  | 745  | 1322 | 1852 | 2156 | 2235 | 2240 | 2240 |
| Growing Degree Units for Corn (Monthly Accumulated) |    |     |     |     |      |      |      |      |      |      |      |      |
| 50/86                                               | 89 | 215 | 458 | 798 | 1294 | 1971 | 2748 | 3499 | 4068 | 4433 | 4617 | 4707 |

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86.  
Empty or blank cells indicate data is missing or insufficient occurrences to compute value.