

Summary of Monthly Normals  
1991-2020

Current Location: Elev: 3132 ft. Lat: 48.5092° N Lon: 110.9694° W  
Station: CHESTER, MT US USC00241692

| 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               | 28.7      | 2.6       | 15.7 | 6.4                   | 5.8                   | 6.0                   | 0.0                 | 0.0   | 0.0   | 0.0   | 0.0  | 0.0  | 1219.7              | 1281.7 | 1374.7 | 1529.8 | 0.0                 | 0.0       | 1.6       | 14.4      | 30.7      | 11.8     |
| 02               | 33.0      | 6.2       | 19.6 | 10.1                  | 9.1                   | 9.5                   | 0.0                 | 0.0   | 0.0   | 0.0   | 0.0  | 0.0  | 991.1               | 1047.1 | 1131.1 | 1271.2 | 0.0                 | 0.0       | 4.3       | 10.2      | 27.5      | 7.9      |
| 03               | 44.1      | 16.6      | 30.4 | 7.7                   | 5.8                   | 6.6                   | 0.2                 | 0.1   | 0.0   | 0.0   | 0.0  | 0.0  | 764.4               | 826.3  | 919.2  | 1074.2 | 0.0                 | 0.0       | 14.1      | 5.6       | 29.7      | 3.2      |
| 04               | 55.5      | 27.5      | 41.5 | 3.9                   | 2.9                   | 3.1                   | 4.8                 | 2.6   | 0.8   | 0.1   | 0.0  | 0.0  | 409.8               | 467.6  | 555.7  | 705.1  | 0.0                 | 0.0       | 22.8      | 0.8       | 21.6      | 0.1      |
| 05               | 65.8      | 38.2      | 52.0 | 3.8                   | 2.3                   | 2.8                   | 61.1                | 41.8  | 21.2  | 4.9   | 0.4  | 0.1  | 154.2               | 196.9  | 269.3  | 407.9  | 0.0                 | 0.0       | 29.3      | 0.0       | 6.9       | 0.0      |
| 06               | 72.7      | 46.2      | 59.5 | 2.8                   | 2.0                   | 2.1                   | 162.0               | 119.3 | 70.1  | 21.9  | 4.4  | 2.0  | 28.5                | 45.8   | 86.6   | 188.5  | 0.0                 | 1.0       | 29.8      | 0.0       | 0.3       | 0.0      |
| 07               | 82.5      | 51.7      | 67.1 | 4.4                   | 2.8                   | 3.4                   | 377.6               | 318.2 | 234.7 | 117.8 | 43.0 | 25.9 | 2.6                 | 5.2    | 14.8   | 52.8   | 0.3                 | 7.0       | 31.0      | 0.0       | 0.0       | 0.0      |
| 08               | 82.0      | 49.7      | 65.8 | 3.6                   | 2.2                   | 2.6                   | 344.8               | 287.8 | 207.5 | 99.2  | 31.3 | 16.8 | 8.6                 | 13.6   | 26.3   | 72.9   | 0.1                 | 6.5       | 30.9      | 0.0       | 0.1       | 0.0      |
| 09               | 71.0      | 40.5      | 55.7 | 4.0                   | 2.6                   | 3.0                   | 111.4               | 80.7  | 45.2  | 12.4  | 2.3  | 1.1  | 89.0                | 118.3  | 172.8  | 289.9  | 0.0                 | 1.2       | 28.8      | 0.0       | 3.6       | 0.0      |
| 10               | 56.8      | 27.3      | 42.1 | 4.6                   | 3.1                   | 3.6                   | 12.5                | 7.5   | 2.9   | 0.2   | 0.0  | 0.0  | 414.0               | 470.9  | 559.4  | 711.6  | 0.0                 | 0.0       | 24.1      | 1.2       | 19.7      | 0.4      |
| 11               | 41.1      | 15.2      | 28.2 | 6.0                   | 5.0                   | 5.3                   | 0.2                 | 0.1   | 0.0   | 0.0   | 0.0  | 0.0  | 805.6               | 865.5  | 955.4  | 1105.5 | 0.0                 | 0.0       | 8.9       | 5.9       | 27.6      | 3.5      |
| 12               | 31.6      | 5.6       | 18.6 | 6.7                   | 6.5                   | 6.5                   | 0.0                 | 0.0   | 0.0   | 0.0   | 0.0  | 0.0  | 1128.3              | 1190.3 | 1283.2 | 1438.3 | 0.0                 | 0.0       | 2.8       | 12.5      | 30.8      | 8.9      |
| Summary          | 55.4      | 27.3      | 41.4 | 5.3                   | 4.2                   | 4.5                   | 1075                | 858   | 582   | 256   | 81   | 46   | 6016                | 6529   | 7348   | 8848   | 0.4                 | 15.7      | 228.4     | 50.6      | 198.5     | 35.8     |

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Station: **CHESTER, MT US USC00241692**

Summary of Monthly Normals  
1991-2020  
Generated on 06/03/2024

| 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                  | 0.54   | 5.2                 | 2.0     | 0.0     | 0.0     | 0.25                                                                                                                   | 0.46 | 0.69  |  |
| 02                  | 0.45   | 5.2                 | 1.6     | 0.1     | 0.0     | 0.17                                                                                                                   | 0.31 | 0.53  |  |
| 03                  | 0.59   | 5.7                 | 2.0     | 0.1     | 0.0     | 0.27                                                                                                                   | 0.45 | 0.68  |  |
| 04                  | 1.10   | 6.9                 | 3.3     | 0.4     | 0.0     | 0.46                                                                                                                   | 0.95 | 1.63  |  |
| 05                  | 1.68   | 10.2                | 5.2     | 0.6     | 0.1     | 0.97                                                                                                                   | 1.51 | 2.35  |  |
| 06                  | 2.76   | 11.7                | 6.2     | 1.4     | 0.5     | 1.84                                                                                                                   | 2.35 | 3.54  |  |
| 07                  | 1.19   | 6.4                 | 3.2     | 0.7     | 0.2     | 0.42                                                                                                                   | 0.64 | 1.89  |  |
| 08                  | 1.09   | 5.9                 | 3.1     | 0.4     | 0.1     | 0.22                                                                                                                   | 0.96 | 1.55  |  |
| 09                  | 1.00   | 5.9                 | 3.0     | 0.5     | 0.1     | 0.51                                                                                                                   | 0.85 | 1.46  |  |
| 10                  | 0.74   | 5.6                 | 2.7     | 0.2     | 0.0     | 0.43                                                                                                                   | 0.67 | 1.10  |  |
| 11                  | 0.58   | 5.4                 | 1.9     | 0.1     | 0.0     | 0.24                                                                                                                   | 0.48 | 0.88  |  |
| 12                  | 0.56   | 5.0                 | 1.6     | 0.0     | 0.0     | 0.16                                                                                                                   | 0.34 | 0.78  |  |
| Summary             | 12.28  | 79.1                | 35.8    | 4.5     | 1.0     | 5.94                                                                                                                   | 9.97 | 17.08 |  |

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Summary of Monthly Normals  
1991-2020  
Generated on 06/03/2024

| 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         | 8.30             | 4.0                    | 2.2  | 0.7 | 0.1  | 0.0   | 21.3                     | 16.9 | 10.7 | 3.0 | 5.10                                                                                              | 8.90 | 11.60 |
| 02         | 5.70             | 4.8                    | 1.9  | 0.4 | 0.1  | 0.0   | 16.0                     | 11.5 | 6.6  | 3.2 | 1.70                                                                                              | 4.30 | 6.80  |
| 03         | 5.10             | 3.1                    | 1.3  | 0.5 | 0.1  | 0.0   | 8.8                      | 5.8  | 4.2  | 1.5 | 0.10                                                                                              | 4.00 | 8.80  |
| 04         | 3.70             | 1.6                    | 0.9  | 0.4 | 0.2  | 0.0   | 1.8                      | 1.0  | 0.7  | 0.5 | 0.00                                                                                              | 0.40 | 5.00  |
| 05         | 0.40             | 0.2                    | 0.1  | 0.1 | 0.0  | 0.0   | 0.1                      | 0.0  | 0.0  | 0.0 | 0.00                                                                                              | 0.00 | 0.00  |
| 06         | 0.10             | 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         | 0.60             | 0.1                    | 0.1  | 0.1 | 0.1  | 0.0   | 0.2                      | 0.1  | 0.1  | 0.0 | 0.00                                                                                              | 0.00 | 0.00  |
| 10         | 0.70             | 0.6                    | 0.4  | 0.1 | 0.1  | 0.0   | 1.7                      | 1.0  | 0.4  | 0.2 | 0.00                                                                                              | 0.00 | 0.40  |
| 11         | 5.60             | 3.4                    | 1.6  | 0.5 | 0.2  | 0.0   | 8.0                      | 4.8  | 2.5  | 0.1 | 1.00                                                                                              | 3.00 | 7.80  |
| 12         | 6.30             | 4.0                    | 1.9  | 0.5 | 0.1  | 0.0   | 11.9                     | 8.1  | 4.8  | 1.1 | 0.10                                                                                              | 3.70 | 8.30  |
| Summary    | 36.5             | 21.8                   | 10.4 | 3.3 | 1.0  | 0.0   | 69.8                     | 49.2 | 30.0 | 9.6 | 8.0                                                                                               | 24.3 | 48.7  |

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1991-2020

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Current Location: Elev: 3132 ft. Lat: 48.5092° N Lon: 110.9694° W

Station: CHESTER, MT US USC00241692

| 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                                      | 0.8 | 4.9 | 28.8 | 127.6 | 379.8 | 583.7 | 839.8 | 801.2 | 479.0 | 159.9 | 19.9 | 0.6 |
| 45                                      | 0.0 | 0.8 | 7.8  | 56.2  | 244.6 | 434.7 | 684.9 | 646.8 | 339.3 | 82.5  | 5.5  | 0.0 |
| 50                                      | 0.0 | 0.1 | 1.8  | 19.1  | 134.6 | 290.4 | 530.0 | 493.4 | 212.7 | 35.8  | 1.1  | 0.0 |
| 55                                      | 0.0 | 0.0 | 0.2  | 4.8   | 61.1  | 162.0 | 377.6 | 344.8 | 111.4 | 12.5  | 0.2  | 0.0 |
| 60                                      | 0.0 | 0.0 | 0.0  | 0.8   | 21.2  | 70.1  | 234.7 | 207.5 | 45.2  | 2.9   | 0.0  | 0.0 |
| Growing Degree Units for Corn (Monthly) |     |     |      |       |       |       |       |       |       |       |      |     |
| 50/86                                   | 2.1 | 9.6 | 44.4 | 118.5 | 252.4 | 353.7 | 529.0 | 507.8 | 321.5 | 143.8 | 25.9 | 2.6 |

| Growing Degree Units (Accumulated Monthly)          |   |    |    |     |     |      |      |      |      |      |      |      |
|-----------------------------------------------------|---|----|----|-----|-----|------|------|------|------|------|------|------|
| 40                                                  | 1 | 6  | 34 | 162 | 542 | 1126 | 1965 | 2767 | 3246 | 3406 | 3425 | 3426 |
| 45                                                  | 0 | 1  | 9  | 65  | 309 | 744  | 1429 | 2076 | 2415 | 2498 | 2503 | 2503 |
| 50                                                  | 0 | 0  | 2  | 21  | 156 | 446  | 976  | 1469 | 1682 | 1718 | 1719 | 1719 |
| 55                                                  | 0 | 0  | 0  | 5   | 66  | 228  | 606  | 950  | 1062 | 1074 | 1075 | 1075 |
| 60                                                  | 0 | 0  | 0  | 1   | 22  | 92   | 327  | 534  | 580  | 582  | 582  | 582  |
| Growing Degree Units for Corn (Monthly Accumulated) |   |    |    |     |     |      |      |      |      |      |      |      |
| 50/86                                               | 2 | 12 | 56 | 175 | 427 | 781  | 1310 | 1818 | 2139 | 2283 | 2309 | 2311 |

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86.

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