

Summary of Monthly Normals  
1991-2020

Generated on 06/04/2024

Current Location: Elev: 3832 ft. Lat: 41.1489° N Lon: 102.6361° W  
Station: LODGEPOLE, NE US USC00254900

| 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               | 39.8      | 13.8      | 26.8 | 4.2                   | 3.3                   | 3.5                   | 0.0                 | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 874.2               | 936.2 | 1029.2 | 1184.2 | 0.0                 | 0.0       | 8.4       | 7.6       | 30.6      | 3.1      |
| 02               | 42.5      | 15.8      | 29.1 | 6.2                   | 4.8                   | 5.3                   | 0.0                 | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 723.6               | 779.7 | 863.6  | 1003.7 | 0.0                 | 0.0       | 10.4      | 6.0       | 27.3      | 2.5      |
| 03               | 52.8      | 23.8      | 38.3 | 5.2                   | 3.4                   | 4.1                   | 3.2                 | 1.4   | 0.2   | 0.0   | 0.0   | 0.0   | 521.0               | 581.2 | 673.0  | 827.8  | 0.0                 | 0.0       | 19.8      | 2.2       | 24.9      | 0.5      |
| 04               | 60.9      | 31.9      | 46.4 | 3.8                   | 2.9                   | 3.0                   | 24.6                | 14.8  | 6.2   | 1.1   | 0.0   | 0.0   | 282.4               | 332.7 | 414.1  | 559.1  | 0.0                 | 0.1       | 25.1      | 0.9       | 14.5      | 0.0      |
| 05               | 70.5      | 43.0      | 56.8 | 4.4                   | 2.4                   | 3.1                   | 150.2               | 115.3 | 71.5  | 25.1  | 5.5   | 2.2   | 95.9                | 123.0 | 172.3  | 280.9  | 0.0                 | 1.8       | 29.2      | 0.0       | 2.9       | 0.0      |
| 06               | 82.9      | 54.0      | 68.4 | 3.8                   | 2.2                   | 2.8                   | 408.8               | 352.2 | 271.0 | 152.0 | 65.8  | 41.9  | 5.5                 | 8.9   | 17.6   | 48.6   | 1.1                 | 8.9       | 30.0      | 0.0       | 0.0       | 0.0      |
| 07               | 90.4      | 60.1      | 75.3 | 3.1                   | 2.1                   | 2.5                   | 627.4               | 565.6 | 473.4 | 321.5 | 181.2 | 133.0 | 0.0                 | 0.1   | 0.8    | 3.9    | 4.4                 | 18.8      | 31.0      | 0.0       | 0.0       | 0.0      |
| 08               | 87.8      | 57.5      | 72.7 | 3.2                   | 2.2                   | 2.5                   | 547.5               | 486.6 | 396.8 | 252.2 | 125.0 | 84.7  | 0.6                 | 1.6   | 4.8    | 15.1   | 1.7                 | 15.2      | 31.0      | 0.0       | 0.0       | 0.0      |
| 09               | 79.0      | 47.1      | 63.0 | 3.2                   | 2.5                   | 2.6                   | 270.8               | 222.9 | 158.8 | 75.1  | 23.9  | 13.0  | 29.4                | 41.5  | 67.4   | 133.7  | 0.1                 | 6.6       | 29.6      | 0.0       | 0.7       | 0.0      |
| 10               | 64.3      | 33.7      | 49.0 | 4.7                   | 3.0                   | 3.5                   | 45.4                | 29.8  | 13.9  | 2.5   | 0.1   | 0.0   | 231.3               | 277.7 | 354.9  | 498.5  | 0.0                 | 0.3       | 27.2      | 0.7       | 11.8      | 0.2      |
| 11               | 50.4      | 22.4      | 36.4 | 5.6                   | 2.8                   | 4.0                   | 1.4                 | 0.6   | 0.1   | 0.0   | 0.0   | 0.0   | 559.4               | 618.6 | 708.0  | 858.0  | 0.0                 | 0.0       | 16.8      | 2.7       | 26.6      | 0.6      |
| 12               | 40.2      | 14.3      | 27.3 | 4.2                   | 3.4                   | 3.6                   | 0.0                 | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 860.0               | 922.0 | 1015.0 | 1170.0 | 0.0                 | 0.0       | 8.9       | 7.4       | 30.6      | 2.7      |
| Summary          | 63.5      | 34.8      | 49.1 | 4.3                   | 2.9                   | 3.4                   | 2079                | 1789  | 1392  | 830   | 402   | 275   | 4183                | 4623  | 5321   | 6584   | 7.3                 | 51.7      | 267.4     | 27.5      | 169.9     | 9.6      |

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                  | 0.28   | 2.8                 | 0.9     | 0.1     | 0.0     | 0.12                                                                                                                   | 0.24  | 0.40  |  |
| 02                  | 0.40   | 3.3                 | 1.4     | 0.0     | 0.0     | 0.23                                                                                                                   | 0.42  | 0.54  |  |
| 03                  | 0.96   | 5.2                 | 2.9     | 0.3     | 0.1     | 0.52                                                                                                                   | 0.80  | 1.26  |  |
| 04                  | 1.90   | 6.2                 | 4.1     | 1.0     | 0.1     | 1.07                                                                                                                   | 1.78  | 2.52  |  |
| 05                  | 2.62   | 8.5                 | 5.0     | 1.5     | 0.2     | 1.76                                                                                                                   | 2.33  | 3.11  |  |
| 06                  | 3.02   | 9.2                 | 6.7     | 2.1     | 0.6     | 1.80                                                                                                                   | 2.60  | 3.48  |  |
| 07                  | 2.51   | 6.5                 | 5.0     | 1.4     | 0.6     | 1.81                                                                                                                   | 2.39  | 2.98  |  |
| 08                  | 2.28   | 6.5                 | 4.9     | 1.9     | 0.6     | 1.58                                                                                                                   | 2.26  | 2.66  |  |
| 09                  | 1.48   | 5.0                 | 3.7     | 0.7     | 0.4     | 0.65                                                                                                                   | 1.13  | 1.96  |  |
| 10                  | 1.28   | 5.0                 | 3.3     | 0.9     | 0.2     | 0.63                                                                                                                   | 0.90  | 1.47  |  |
| 11                  | 0.47   | 3.2                 | 1.9     | 0.2     | 0.0     | 0.24                                                                                                                   | 0.37  | 0.63  |  |
| 12                  | 0.35   | 2.4                 | 0.9     | 0.1     | 0.1     | 0.08                                                                                                                   | 0.31  | 0.44  |  |
| Summary             | 17.55  | 63.8                | 40.7    | 10.2    | 2.9     | 10.49                                                                                                                  | 15.53 | 21.45 |  |

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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 06/04/2024

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         | 4.40             | 2.0                    | 1.7  | 0.4 | 0.2  | 0.0   |                          |     |     |     | 0.90                                                                                              | 4.30 | 7.30 |
| 02         | 4.20             | 2.4                    | 2.2  | 0.5 | 0.0  | 0.0   |                          |     |     |     | 1.70                                                                                              | 3.20 | 6.10 |
| 03         | 5.90             | 2.6                    | 2.4  | 0.9 | 0.2  | 0.0   |                          |     |     |     | 3.00                                                                                              | 6.00 | 8.00 |
| 04         | 2.60             | 1.2                    | 1.2  | 0.4 | 0.1  | 0.0   |                          |     |     |     | 0.00                                                                                              | 2.00 | 3.20 |
| 05         | 0.30             | 0.1                    | 0.1  | 0.1 | 0.0  | 0.0   |                          |     |     |     | 0.00                                                                                              | 0.00 | 0.00 |
| 06         | 0.00             | 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   |                          |     |     |     | 0.00                                                                                              | 0.00 | 0.00 |
| 08         | 0.00             | 0.0                    | 0.0  | 0.0 | 0.0  | 0.0   |                          |     |     |     | 0.00                                                                                              | 0.00 | 0.00 |
| 09         | 0.10             | 0.1                    | 0.1  | 0.0 | 0.0  | 0.0   |                          |     |     |     | 0.00                                                                                              | 0.00 | 0.00 |
| 10         | 0.70             | 0.3                    | 0.3  | 0.1 | 0.0  | 0.0   |                          |     |     |     | 0.00                                                                                              | 0.00 | 0.00 |
| 11         | 4.40             | 1.5                    | 1.5  | 0.5 | 0.3  | 0.1   |                          |     |     |     | 1.00                                                                                              | 4.00 | 6.00 |
| 12         | 5.30             | 2.2                    | 1.8  | 0.6 | 0.3  | 0.1   |                          |     |     |     | 0.00                                                                                              | 3.80 | 8.20 |
| Summary    | 27.9             | 12.4                   | 11.3 | 3.5 | 1.1  | 0.2   | 0.0                      | 0.0 | 0.0 | 0.0 | 6.6                                                                                               | 23.3 | 38.8 |

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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                                      | 8.7  | 21.7 | 104.9 | 238.6 | 524.7 | 853.3 | 1092.3 | 1011.9 | 692.4 | 315.8 | 79.0 | 9.8  |
| 45                                      | 1.6  | 6.0  | 45.6  | 136.7 | 382.3 | 703.4 | 937.4  | 857.0  | 545.4 | 196.2 | 32.4 | 2.0  |
| 50                                      | 0.2  | 0.9  | 14.7  | 66.0  | 254.7 | 554.5 | 782.3  | 701.9  | 402.4 | 105.2 | 9.1  | 0.3  |
| 55                                      | 0.0  | 0.0  | 3.2   | 24.6  | 150.2 | 408.8 | 627.4  | 547.5  | 270.8 | 45.4  | 1.4  | 0.0  |
| 60                                      | 0.0  | 0.0  | 0.2   | 6.2   | 71.5  | 271.0 | 473.4  | 396.8  | 158.8 | 13.9  | 0.1  | 0.0  |
| Growing Degree Units for Corn (Monthly) |      |      |       |       |       |       |        |        |       |       |      |      |
| 50/86                                   | 19.9 | 36.7 | 114.1 | 189.2 | 330.2 | 532.4 | 692.2  | 642.2  | 441.7 | 241.1 | 90.8 | 22.4 |

| Growing Degree Units (Accumulated Monthly)          |    |    |     |     |     |      |      |      |      |      |      |      |
|-----------------------------------------------------|----|----|-----|-----|-----|------|------|------|------|------|------|------|
| 40                                                  | 9  | 30 | 135 | 374 | 899 | 1752 | 2844 | 3856 | 4548 | 4864 | 4943 | 4953 |
| 45                                                  | 2  | 8  | 53  | 190 | 572 | 1276 | 2213 | 3070 | 3615 | 3812 | 3844 | 3846 |
| 50                                                  | 0  | 1  | 16  | 82  | 336 | 891  | 1673 | 2375 | 2778 | 2883 | 2892 | 2892 |
| 55                                                  | 0  | 0  | 3   | 28  | 178 | 587  | 1214 | 1762 | 2032 | 2078 | 2079 | 2079 |
| 60                                                  | 0  | 0  | 0   | 6   | 78  | 349  | 822  | 1219 | 1378 | 1392 | 1392 | 1392 |
| Growing Degree Units for Corn (Monthly Accumulated) |    |    |     |     |     |      |      |      |      |      |      |      |
| 50/86                                               | 20 | 57 | 171 | 360 | 690 | 1222 | 1915 | 2557 | 2999 | 3240 | 3330 | 3353 |

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.