

Summary of Monthly Normals  
1991-2020

Generated on 06/03/2024

Current Location: Elev: 1201 ft. Lat: 39.3739° N Lon: 97.1275° W

Station: CLAY CTR, KS US USC00141559

| 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               | 38.7      | 17.8      | 28.3 | 4.9                   | 3.6                   | 4.0                   | 0.0                 | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 829.1               | 891.1 | 984.1 | 1139.1 | 0.0                 | 0.0       | 7.4       | 10.0      | 28.6      | 2.0      |
| 02               | 43.7      | 21.3      | 32.5 | 6.8                   | 4.6                   | 5.4                   | 2.6                 | 1.6   | 0.6   | 0.1   | 0.0   | 0.0   | 632.5               | 687.5 | 770.5 | 910.0  | 0.0                 | 0.0       | 10.7      | 6.3       | 23.2      | 0.8      |
| 03               | 55.3      | 30.8      | 43.1 | 5.5                   | 4.7                   | 4.8                   | 26.6                | 18.4  | 9.4   | 2.1   | 0.1   | 0.0   | 397.1               | 450.9 | 534.9 | 682.6  | 0.0                 | 0.0       | 20.5      | 1.4       | 16.2      | 0.4      |
| 04               | 65.7      | 41.2      | 53.4 | 4.0                   | 3.6                   | 3.6                   | 99.1                | 73.8  | 44.9  | 15.4  | 3.1   | 1.3   | 145.6               | 180.3 | 241.3 | 361.8  | 0.0                 | 0.2       | 27.0      | 0.1       | 5.4       | 0.0      |
| 05               | 75.7      | 53.4      | 64.5 | 3.8                   | 2.9                   | 3.1                   | 316.5               | 265.5 | 196.8 | 104.2 | 42.6  | 27.0  | 20.5                | 31.5  | 55.8  | 118.2  | 0.0                 | 2.5       | 30.8      | 0.0       | 0.2       | 0.0      |
| 06               | 86.0      | 63.7      | 74.9 | 3.3                   | 2.3                   | 2.6                   | 595.6               | 535.9 | 447.0 | 303.1 | 173.8 | 129.7 | 0.2                 | 0.6   | 1.6   | 7.8    | 0.6                 | 11.2      | 30.0      | 0.0       | 0.0       | 0.0      |
| 07               | 91.1      | 68.4      | 79.8 | 3.4                   | 2.5                   | 2.7                   | 767.2               | 705.2 | 612.2 | 457.7 | 308.3 | 251.4 | 0.0                 | 0.0   | 0.0   | 0.6    | 4.5                 | 18.8      | 31.0      | 0.0       | 0.0       | 0.0      |
| 08               | 88.6      | 65.8      | 77.2 | 3.4                   | 2.7                   | 2.9                   | 688.1               | 626.1 | 533.3 | 380.8 | 237.3 | 185.8 | 0.0                 | 0.0   | 0.2   | 2.7    | 2.7                 | 14.7      | 31.0      | 0.0       | 0.0       | 0.0      |
| 09               | 80.8      | 56.9      | 68.9 | 3.7                   | 3.6                   | 3.5                   | 422.6               | 366.9 | 287.9 | 174.9 | 90.7  | 65.7  | 7.2                 | 11.4  | 22.5  | 59.5   | 0.4                 | 6.3       | 30.0      | 0.0       | 0.0       | 0.0      |
| 10               | 68.2      | 43.6      | 55.9 | 3.7                   | 2.6                   | 2.9                   | 139.4               | 107.6 | 70.0  | 28.0  | 8.3   | 4.4   | 111.5               | 141.7 | 197.1 | 310.1  | 0.0                 | 0.6       | 28.9      | 0.1       | 3.7       | 0.0      |
| 11               | 53.4      | 30.9      | 42.1 | 5.6                   | 3.9                   | 4.5                   | 16.0                | 10.2  | 4.7   | 0.6   | 0.0   | 0.0   | 401.5               | 455.6 | 540.1 | 686.0  | 0.0                 | 0.0       | 19.1      | 1.3       | 16.2      | 0.0      |
| 12               | 41.6      | 21.4      | 31.5 | 4.8                   | 4.2                   | 4.3                   | 0.5                 | 0.3   | 0.1   | 0.0   | 0.0   | 0.0   | 728.8               | 790.6 | 883.4 | 1038.3 | 0.0                 | 0.0       | 9.2       | 6.9       | 27.4      | 1.0      |
| Summary          | 65.7      | 42.9      | 54.3 | 4.4                   | 3.4                   | 3.7                   | 3074                | 2712  | 2207  | 1467  | 864   | 665   | 3274                | 3641  | 4232  | 5317   | 8.2                 | 54.3      | 275.6     | 26.1      | 120.9     | 4.2      |

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Current Location: Elev: 1201 ft. Lat: 39.3739° N Lon: 97.1275° W  
Station: **CLAY CTR, KS US USC00141559**

| 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                  | 0.72   | 3.9                 | 2.2     | 0.3     | 0.0     | 0.39                                                                                                                   | 0.72  | 1.11  |
| 02                  | 1.09   | 4.3                 | 2.7     | 0.6     | 0.2     | 0.42                                                                                                                   | 0.86  | 1.39  |
| 03                  | 1.94   | 5.7                 | 4.0     | 1.0     | 0.5     | 0.86                                                                                                                   | 1.98  | 2.59  |
| 04                  | 2.83   | 7.9                 | 5.5     | 2.0     | 0.6     | 1.84                                                                                                                   | 2.67  | 3.26  |
| 05                  | 4.90   | 10.1                | 7.5     | 3.5     | 1.4     | 2.63                                                                                                                   | 4.29  | 6.87  |
| 06                  | 4.50   | 8.4                 | 6.5     | 3.2     | 1.2     | 3.03                                                                                                                   | 4.18  | 6.04  |
| 07                  | 3.98   | 8.5                 | 5.9     | 2.5     | 1.2     | 2.50                                                                                                                   | 3.12  | 5.00  |
| 08                  | 4.13   | 8.1                 | 5.9     | 2.8     | 1.3     | 2.72                                                                                                                   | 4.09  | 5.25  |
| 09                  | 2.89   | 6.3                 | 4.4     | 1.9     | 1.0     | 1.68                                                                                                                   | 2.43  | 3.81  |
| 10                  | 2.24   | 6.1                 | 4.1     | 1.5     | 0.5     | 0.95                                                                                                                   | 2.06  | 3.19  |
| 11                  | 1.49   | 4.8                 | 3.2     | 0.8     | 0.4     | 0.59                                                                                                                   | 1.08  | 2.45  |
| 12                  | 1.14   | 3.8                 | 2.7     | 0.7     | 0.2     | 0.38                                                                                                                   | 0.81  | 1.57  |
| Summary             | 31.85  | 77.9                | 54.6    | 20.8    | 8.5     | 17.99                                                                                                                  | 28.29 | 42.53 |

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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 06/03/2024

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         | 3.10             | 1.9                    | 1.3 | 0.5 | 0.2  | 0.0   | 8.8                      | 4.5 | 2.4 | 0.0 | 0.20                                                                                              | 2.50 | 4.60 |
| 02         | 2.00             | 1.7                    | 1.3 | 0.6 | 0.1  | 0.0   | 4.2                      | 1.5 | 0.2 | 0.0 | 0.00                                                                                              | 1.00 | 4.00 |
| 03         | 0.80             | 0.7                    | 0.6 | 0.1 | 0.0  | 0.0   | 0.7                      | 0.0 | 0.0 | 0.0 | 0.00                                                                                              | 0.00 | 2.00 |
| 04         | 0.60             | 0.2                    | 0.2 | 0.1 | 0.1  | 0.0   | 0.0                      | 0.0 | 0.0 | 0.0 | 0.00                                                                                              | 0.00 | 0.00 |
| 05         | 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 |
| 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         | 0.20             | 0.2                    | 0.1 | 0.0 | 0.0  | 0.0   | 0.1                      | 0.0 | 0.0 | 0.0 | 0.00                                                                                              | 0.00 | 0.00 |
| 11         | 0.90             | 0.6                    | 0.4 | 0.0 | 0.0  | 0.0   | 1.2                      | 0.3 | 0.0 | 0.0 | 0.00                                                                                              | 0.00 | 1.50 |
| 12         | 3.20             | 1.6                    | 1.3 | 0.4 | 0.1  | 0.0   | 4.1                      | 2.1 | 1.4 | 0.2 | 0.00                                                                                              | 1.20 | 3.50 |
| Summary    | 10.8             | 6.9                    | 5.2 | 1.7 | 0.5  | 0.0   | 19.1                     | 8.4 | 4.0 | 0.2 | 0.2                                                                                               | 4.7  | 15.6 |

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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                                      | 17.4 | 51.2 | 196.1 | 418.0 | 761.1 | 1045.3 | 1232.1 | 1153.1 | 865.4 | 503.0 | 160.8 | 28.5 |
| 45                                      | 4.5  | 23.0 | 115.3 | 290.0 | 606.8 | 895.3  | 1077.1 | 998.1  | 715.7 | 363.5 | 87.0  | 8.3  |
| 50                                      | 0.6  | 8.3  | 59.7  | 181.1 | 456.5 | 745.3  | 922.0  | 843.0  | 567.0 | 240.2 | 41.1  | 2.1  |
| 55                                      | 0.0  | 2.6  | 26.6  | 99.1  | 316.5 | 595.6  | 767.2  | 688.1  | 422.6 | 139.4 | 16.0  | 0.5  |
| 60                                      | 0.0  | 0.6  | 9.4   | 44.9  | 196.8 | 447.0  | 612.2  | 533.3  | 287.9 | 70.0  | 4.7   | 0.1  |
| Growing Degree Units for Corn (Monthly) |      |      |       |       |       |        |        |        |       |       |       |      |
| 50/86                                   | 20.4 | 46.7 | 140.7 | 259.4 | 474.8 | 700.6  | 826.0  | 772.5  | 558.8 | 314.2 | 108.5 | 26.4 |

| Growing Degree Units (Accumulated Monthly)          |    |    |     |     |      |      |      |      |      |      |      |      |
|-----------------------------------------------------|----|----|-----|-----|------|------|------|------|------|------|------|------|
| 40                                                  | 17 | 69 | 265 | 683 | 1444 | 2489 | 3721 | 4874 | 5740 | 6243 | 6404 | 6432 |
| 45                                                  | 4  | 28 | 143 | 433 | 1040 | 1935 | 3012 | 4010 | 4726 | 5089 | 5176 | 5185 |
| 50                                                  | 1  | 9  | 69  | 250 | 706  | 1452 | 2374 | 3216 | 3784 | 4024 | 4065 | 4067 |
| 55                                                  | 0  | 3  | 29  | 128 | 445  | 1040 | 1808 | 2496 | 2918 | 3058 | 3074 | 3074 |
| 60                                                  | 0  | 1  | 10  | 55  | 252  | 699  | 1311 | 1844 | 2132 | 2202 | 2207 | 2207 |
| Growing Degree Units for Corn (Monthly Accumulated) |    |    |     |     |      |      |      |      |      |      |      |      |
| 50/86                                               | 20 | 67 | 208 | 467 | 942  | 1643 | 2469 | 3241 | 3800 | 4114 | 4223 | 4249 |

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

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