

**Summary of Monthly Normals**  
**1991-2020**  
 Generated on 01/24/2022

| 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               | 47        | 29        | 37.9 | 4                     | 4                     | 4                     | 5                   | 3    | 1    | 0    | 0   | 0   | 535                 | 595  | 686  | 840  | 0.0                 | 0.0       | 13.9      | 2.6       | 20        | 0        |
| 02               | 51        | 32        | 41.7 | 4                     | 4                     | 4                     | 9                   | 5    | 2    | 0    | 0   | 0   | 379                 | 432  | 513  | 651  | 0.0                 | 0.0       | 17.6      | 0.8       | 16        | 0        |
| 03               | 61        | 39        | 49.7 | 4                     | 4                     | 4                     | 51                  | 35   | 18   | 4    | 0   | 0   | 215                 | 261  | 337  | 478  | 0.0                 | 0.0       | 26.7      | 0.1       | 9         | 0        |
| 04               | 70        | 47        | 58.6 | 3                     | 3                     | 3                     | 166                 | 129  | 81   | 27   | 5   | 2   | 58                  | 81   | 123  | 219  | 0.0                 | 0.1       | 29.6      | 0.0       | 2         | 0        |
| 05               | 78        | 56        | 66.9 | 3                     | 3                     | 3                     | 375                 | 318  | 237  | 121  | 40  | 20  | 6                   | 11   | 23   | 62   | 0.0                 | 1.1       | 31.0      | 0.0       | 0         | 0        |
| 06               | 84        | 64        | 74.1 | 2                     | 2                     | 2                     | 571                 | 512  | 422  | 275  | 140 | 94  | 0                   | 0    | 0    | 4    | 0.1                 | 7.3       | 30.0      | 0.0       | 0         | 0        |
| 07               | 87        | 68        | 77.5 | 3                     | 2                     | 2                     | 699                 | 637  | 544  | 389  | 236 | 177 | 0                   | 0    | 0    | 0    | 0.2                 | 13.7      | 31.0      | 0.0       | 0         | 0        |
| 08               | 87        | 67        | 76.8 | 3                     | 2                     | 2                     | 676                 | 614  | 521  | 366  | 214 | 157 | 0                   | 0    | 0    | 0    | 0.3                 | 12.4      | 31.0      | 0.0       | 0         | 0        |
| 09               | 81        | 61        | 70.8 | 3                     | 2                     | 3                     | 475                 | 416  | 329  | 195  | 85  | 53  | 1                   | 2    | 5    | 21   | 0.0                 | 4.6       | 30.0      | 0.0       | 0         | 0        |
| 10               | 71        | 48        | 59.7 | 3                     | 3                     | 2                     | 192                 | 149  | 95   | 35   | 8   | 4   | 46                  | 66   | 105  | 199  | 0.0                 | 0.2       | 30.8      | 0.0       | 1         | 0        |
| 11               | 59        | 37        | 48.1 | 5                     | 3                     | 4                     | 32                  | 21   | 10   | 2    | 0   | 0   | 239                 | 288  | 367  | 509  | 0.0                 | 0.0       | 25.8      | 0.0       | 11        | 0        |
| 12               | 49        | 32        | 40.9 | 5                     | 4                     | 4                     | 8                   | 5    | 2    | 0    | 0   | 0   | 447                 | 506  | 596  | 749  | 0.0                 | 0.0       | 17.1      | 0.8       | 17        | 0        |
| Summary          | 68.8      | 48.3      | 58.6 | 3.5                   | 3.0                   | 3.1                   | 3259                | 2844 | 2262 | 1414 | 728 | 507 | 1926                | 2242 | 2755 | 3732 | 0.6                 | 39.4      | 314.5     | 4.3       | 76.0      | 0.0      |

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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                  | 6      | 12                  | 8       | 4       | 2       | 4                                                                                                                      | 5     | 6     |
| 02                  | 6      | 12                  | 8       | 4       | 2       | 4                                                                                                                      | 5     | 8     |
| 03                  | 6      | 12                  | 9       | 4       | 1       | 4                                                                                                                      | 6     | 6     |
| 04                  | 6      | 11                  | 8       | 4       | 1       | 4                                                                                                                      | 4     | 7     |
| 05                  | 5      | 12                  | 8       | 3       | 1       | 3                                                                                                                      | 4     | 5     |
| 06                  | 5      | 12                  | 8       | 3       | 1       | 3                                                                                                                      | 5     | 7     |
| 07                  | 6      | 13                  | 9       | 4       | 1       | 4                                                                                                                      | 6     | 7     |
| 08                  | 4      | 10                  | 7       | 3       | 1       | 3                                                                                                                      | 4     | 5     |
| 09                  | 4      | 8                   | 5       | 3       | 1       | 2                                                                                                                      | 4     | 5     |
| 10                  | 3      | 8                   | 6       | 2       | 1       | 2                                                                                                                      | 3     | 5     |
| 11                  | 5      | 9                   | 7       | 3       | 2       | 3                                                                                                                      | 5     | 6     |
| 12                  | 6      | 12                  | 9       | 4       | 2       | 4                                                                                                                      | 6     | 8     |
| Summary             | 62.00  | 131.0               | 92.0    | 41.0    | 16.0    | 40.00                                                                                                                  | 57.00 | 75.00 |

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| 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         | 2                | 1                      | 1   | 0   | 0    | 0     | 2                        | 1   | 0   | 0   | 0                                                                                                 | 1   | 3   |
| 02         | 1                | 1                      | 1   | 0   | 0    | 0     | 1                        | 1   | 1   | 1   | 0                                                                                                 | 0   | 2   |
| 03         | 1                | 0                      | 0   | 0   | 0    | 0     | 0                        | 0   | 0   | 0   | 0                                                                                                 | 0   | 0   |
| 04         | 0                | 0                      | 0   | 0   | 0    | 0     | 0                        | 0   | 0   | 0   | 0                                                                                                 | 0   | 0   |
| 05         | 0                | 0                      | 0   | 0   | 0    | 0     | 0                        | 0   | 0   | 0   | 0                                                                                                 | 0   | 0   |
| 06         | 0                | 0                      | 0   | 0   | 0    | 0     | 0                        | 0   | 0   | 0   | 0                                                                                                 | 0   | 0   |
| 07         | 0                | 0                      | 0   | 0   | 0    | 0     | 0                        | 0   | 0   | 0   | 0                                                                                                 | 0   | 0   |
| 08         | 0                | 0                      | 0   | 0   | 0    | 0     | 0                        | 0   | 0   | 0   | 0                                                                                                 | 0   | 0   |
| 09         | 0                | 0                      | 0   | 0   | 0    | 0     | 0                        | 0   | 0   | 0   | 0                                                                                                 | 0   | 0   |
| 10         | 0                | 0                      | 0   | 0   | 0    | 0     | 0                        | 0   | 0   | 0   | 0                                                                                                 | 0   | 0   |
| 11         | 0                | 0                      | 0   | 0   | 0    | 0     | 0                        | 0   | 0   | 0   | 0                                                                                                 | 0   | 0   |
| 12         | 1                | 1                      | 0   | 0   | 0    | 0     | 0                        | 0   | 0   | 0   | 0                                                                                                 | 0   | 0   |
| Summary    | 5.0              | 3.0                    | 2.0 | 0.0 | 0.0  | 0.0   | 3.0                      | 2.0 | 1.0 | 1.0 | 0.0                                                                                               | 1.0 | 5.0 |

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## Summary of Monthly Normals 1991-2020

Generated on 01/24/2022

| <b>Growing Degree Units (Monthly)</b>          |            |            |            |            |            |            |            |            |            |            |            |            |
|------------------------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| <b>Base</b>                                    | <b>Jan</b> | <b>Feb</b> | <b>Mar</b> | <b>Apr</b> | <b>May</b> | <b>Jun</b> | <b>Jul</b> | <b>Aug</b> | <b>Sep</b> | <b>Oct</b> | <b>Nov</b> | <b>Dec</b> |
| 40                                             | 91         | 128        | 323        | 559        | 834        | 1021       | 1164       | 1141       | 924        | 611        | 267        | 123        |
| 45                                             | 41         | 62         | 204        | 414        | 679        | 871        | 1009       | 986        | 774        | 460        | 158        | 59         |
| 50                                             | 16         | 25         | 111        | 280        | 525        | 721        | 854        | 831        | 624        | 317        | 79         | 23         |
| 55                                             | 5          | 9          | 51         | 166        | 375        | 571        | 699        | 676        | 475        | 192        | 32         | 8          |
| 60                                             | 1          | 2          | 18         | 81         | 237        | 422        | 544        | 521        | 329        | 95         | 10         | 2          |
| <b>Growing Degree Units for Corn (Monthly)</b> |            |            |            |            |            |            |            |            |            |            |            |            |
| 50/86                                          | 45         | 74         | 192        | 342        | 539        | 703        | 815        | 795        | 617        | 373        | 158        | 59         |

| <b>Growing Degree Units (Accumulated Monthly)</b>          |            |            |            |            |            |            |            |            |            |            |            |            |
|------------------------------------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| <b>Base</b>                                                | <b>Jan</b> | <b>Feb</b> | <b>Mar</b> | <b>Apr</b> | <b>May</b> | <b>Jun</b> | <b>Jul</b> | <b>Aug</b> | <b>Sep</b> | <b>Oct</b> | <b>Nov</b> | <b>Dec</b> |
| 40                                                         | 91         | 219        | 542        | 1101       | 1935       | 2956       | 4120       | 5261       | 6185       | 6796       | 7063       | 7186       |
| 45                                                         | 41         | 103        | 307        | 721        | 1400       | 2271       | 3280       | 4266       | 5040       | 5500       | 5658       | 5717       |
| 50                                                         | 16         | 41         | 152        | 432        | 957        | 1678       | 2532       | 3363       | 3987       | 4304       | 4383       | 4406       |
| 55                                                         | 5          | 14         | 65         | 231        | 606        | 1177       | 1876       | 2552       | 3027       | 3219       | 3251       | 3259       |
| 60                                                         | 1          | 3          | 21         | 102        | 339        | 761        | 1305       | 1826       | 2155       | 2250       | 2260       | 2262       |
| <b>Growing Degree Units for Corn (Monthly Accumulated)</b> |            |            |            |            |            |            |            |            |            |            |            |            |
| 50/86                                                      | 45         | 119        | 311        | 653        | 1192       | 1895       | 2710       | 3505       | 4122       | 4495       | 4653       | 4712       |

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

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