

Summary of Monthly Normals  
1991-2020

Generated on 04/27/2024

Current Location: Elev: 1092 ft. Lat: 38.2547° N Lon: 95.7500° W  
Station: JOHN REDMOND LAKE, KS US USC00144104

| 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               | 41.2      | 19.2      | 30.2 | 4.9                   | 3.4                   | 3.7                   | 0.4                 | 0.2   | 0.1   | 0.0   | 0.0   | 0.0   | 769.0               | 830.9 | 923.7 | 1078.6 | 0.0                 | 0.0       | 8.0       | 9.3       | 28.8      | 1.8      |
| 02               | 46.3      | 22.8      | 34.6 | 6.3                   | 4.6                   | 5.2                   | 3.1                 | 1.9   | 0.9   | 0.2   | 0.0   | 0.0   | 575.5               | 630.3 | 713.4 | 852.6  | 0.0                 | 0.0       | 10.8      | 6.1       | 23.6      | 0.8      |
| 03               | 57.1      | 32.8      | 45.0 | 5.4                   | 4.4                   | 4.6                   | 34.4                | 24.2  | 14.1  | 4.3   | 0.3   | 0.1   | 346.0               | 397.8 | 480.7 | 625.9  | 0.0                 | 0.1       | 20.4      | 1.7       | 15.3      | 0.2      |
| 04               | 67.4      | 43.8      | 55.6 | 4.1                   | 3.8                   | 3.8                   | 128.6               | 98.3  | 62.0  | 23.3  | 5.2   | 2.3   | 110.6               | 140.3 | 194.0 | 305.4  | 0.0                 | 0.2       | 27.2      | 0.0       | 3.8       | 0.0      |
| 05               | 75.9      | 55.1      | 65.5 | 3.4                   | 3.1                   | 3.1                   | 338.5               | 284.7 | 211.3 | 110.9 | 44.4  | 27.1  | 13.0                | 21.2  | 40.8  | 95.4   | 0.0                 | 0.9       | 30.9      | 0.0       | 0.1       | 0.0      |
| 06               | 85.3      | 64.4      | 74.9 | 3.3                   | 2.4                   | 2.7                   | 595.6               | 536.1 | 447.1 | 302.9 | 172.2 | 126.4 | 0.3                 | 0.7   | 1.7   | 7.6    | 0.3                 | 6.9       | 30.0      | 0.0       | 0.0       | 0.0      |
| 07               | 90.2      | 68.7      | 79.4 | 3.4                   | 2.6                   | 2.7                   | 757.8               | 695.9 | 602.9 | 448.0 | 296.8 | 239.4 | 0.0                 | 0.0   | 0.0   | 0.2    | 2.0                 | 15.5      | 31.0      | 0.0       | 0.0       | 0.0      |
| 08               | 89.5      | 66.9      | 78.2 | 3.9                   | 2.5                   | 3.0                   | 719.0               | 657.1 | 564.1 | 410.1 | 262.0 | 207.5 | 0.0                 | 0.0   | 0.1   | 1.1    | 2.1                 | 14.3      | 31.0      | 0.0       | 0.0       | 0.0      |
| 09               | 81.5      | 58.1      | 69.8 | 3.7                   | 3.3                   | 3.2                   | 448.7               | 392.1 | 310.5 | 190.8 | 97.2  | 68.4  | 4.8                 | 8.1   | 16.6  | 46.9   | 0.3                 | 4.7       | 30.0      | 0.0       | 0.0       | 0.0      |
| 10               | 69.7      | 45.6      | 57.6 | 3.9                   | 3.0                   | 3.1                   | 168.3               | 132.4 | 86.9  | 35.2  | 9.7   | 4.8   | 86.2                | 112.3 | 159.8 | 263.1  | 0.0                 | 0.3       | 29.0      | 0.1       | 3.1       | 0.0      |
| 11               | 56.1      | 33.5      | 44.8 | 4.9                   | 4.0                   | 4.1                   | 26.6                | 17.6  | 8.3   | 1.6   | 0.2   | 0.0   | 332.6               | 383.6 | 464.3 | 607.6  | 0.0                 | 0.0       | 20.2      | 0.9       | 14.3      | 0.0      |
| 12               | 44.7      | 23.7      | 34.2 | 4.2                   | 4.2                   | 4.0                   | 1.6                 | 0.8   | 0.3   | 0.0   | 0.0   | 0.0   | 646.2               | 707.5 | 800.0 | 954.6  | 0.0                 | 0.0       | 10.1      | 6.3       | 26.1      | 0.6      |
| Summary          | 67.1      | 44.6      | 55.8 | 4.3                   | 3.4                   | 3.6                   | 3223                | 2841  | 2309  | 1527  | 888   | 676   | 2884                | 3233  | 3795  | 4839   | 4.7                 | 42.9      | 278.6     | 24.4      | 115.1     | 3.4      |

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                  | 0.94   | 3.1                 | 2.3     | 0.4     | 0.1     | 0.29                                                                                                                   | 0.73  | 1.38  |  |
| 02                  | 1.31   | 4.1                 | 3.0     | 1.0     | 0.4     | 0.51                                                                                                                   | 1.19  | 1.78  |  |
| 03                  | 2.20   | 5.7                 | 4.2     | 1.8     | 0.4     | 1.31                                                                                                                   | 1.87  | 3.21  |  |
| 04                  | 3.68   | 7.5                 | 5.3     | 2.7     | 1.0     | 1.85                                                                                                                   | 3.19  | 4.48  |  |
| 05                  | 5.32   | 8.6                 | 7.2     | 3.5     | 1.3     | 3.34                                                                                                                   | 5.14  | 6.44  |  |
| 06                  | 4.58   | 7.6                 | 6.1     | 3.1     | 1.4     | 2.59                                                                                                                   | 4.37  | 5.87  |  |
| 07                  | 4.46   | 7.3                 | 5.7     | 2.8     | 1.3     | 2.17                                                                                                                   | 3.61  | 5.27  |  |
| 08                  | 4.06   | 6.9                 | 5.2     | 2.6     | 1.3     | 1.54                                                                                                                   | 3.23  | 5.23  |  |
| 09                  | 3.76   | 6.5                 | 5.4     | 2.8     | 1.7     | 2.06                                                                                                                   | 3.38  | 5.05  |  |
| 10                  | 3.42   | 6.2                 | 4.3     | 2.2     | 1.3     | 1.61                                                                                                                   | 3.00  | 4.60  |  |
| 11                  | 1.90   | 4.5                 | 3.3     | 1.3     | 0.4     | 0.56                                                                                                                   | 1.44  | 2.87  |  |
| 12                  | 1.55   | 3.7                 | 2.6     | 1.1     | 0.4     | 0.85                                                                                                                   | 1.29  | 2.39  |  |
| Summary             | 37.18  | 71.7                | 54.6    | 25.3    | 11.0    | 18.68                                                                                                                  | 32.44 | 48.57 |  |

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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                                      | 28.1 | 65.6 | 234.9 | 477.7 | 790.5 | 1045.3 | 1222.8 | 1184.0 | 893.9 | 552.3 | 212.5 | 53.4 |
| 45                                      | 8.6  | 30.0 | 142.0 | 344.0 | 635.9 | 895.3  | 1067.8 | 1028.9 | 744.1 | 409.1 | 124.0 | 20.9 |
| 50                                      | 2.1  | 11.5 | 74.6  | 224.2 | 483.9 | 745.4  | 912.8  | 874.0  | 594.7 | 277.7 | 62.9  | 6.4  |
| 55                                      | 0.4  | 3.1  | 34.4  | 128.6 | 338.5 | 595.6  | 757.8  | 719.0  | 448.7 | 168.3 | 26.6  | 1.6  |
| 60                                      | 0.1  | 0.9  | 14.1  | 62.0  | 211.3 | 447.1  | 602.9  | 564.1  | 310.5 | 86.9  | 8.3   | 0.3  |
| Growing Degree Units for Corn (Monthly) |      |      |       |       |       |        |        |        |       |       |       |      |
| 50/86                                   | 31.0 | 60.0 | 162.5 | 286.3 | 495.1 | 710.7  | 830.6  | 794.5  | 580.6 | 342.1 | 134.1 | 42.7 |

| Growing Degree Units (Accumulated Monthly)          |    |    |     |     |      |      |      |      |      |      |      |      |
|-----------------------------------------------------|----|----|-----|-----|------|------|------|------|------|------|------|------|
| 40                                                  | 28 | 94 | 329 | 806 | 1597 | 2642 | 3865 | 5049 | 5943 | 6495 | 6708 | 6761 |
| 45                                                  | 9  | 39 | 181 | 525 | 1160 | 2056 | 3124 | 4152 | 4897 | 5306 | 5430 | 5451 |
| 50                                                  | 2  | 14 | 88  | 312 | 796  | 1542 | 2454 | 3328 | 3923 | 4201 | 4264 | 4270 |
| 55                                                  | 0  | 4  | 38  | 166 | 505  | 1101 | 1858 | 2577 | 3026 | 3194 | 3221 | 3223 |
| 60                                                  | 0  | 1  | 15  | 77  | 288  | 736  | 1338 | 1902 | 2213 | 2300 | 2308 | 2309 |
| Growing Degree Units for Corn (Monthly Accumulated) |    |    |     |     |      |      |      |      |      |      |      |      |
| 50/86                                               | 31 | 91 | 254 | 540 | 1035 | 1746 | 2576 | 3371 | 3951 | 4293 | 4428 | 4470 |

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.