

Summary of Monthly Normals  
1991-2020

Generated on 05/20/2024

Current Location: Elev: 1000 ft. Lat: 39.9061° N Lon: 84.2186° W

Station: DAYTON INTL AP, OH US USW00093815

| 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               | 37.1      | 21.8      | 29.4 | 4.6                   | 5.2                   | 4.9                   | 1.3                 | 0.5   | 0.1   | 0.0   | 0.0   | 0.0   | 793.1               | 854.3 | 946.9 | 1101.8 | 0.0                 | 0.0       | 4.6       | 12.8      | 25.9      | 2.4      |
| 02               | 41.2      | 24.5      | 32.8 | 5.6                   | 5.4                   | 5.5                   | 3.1                 | 1.8   | 0.8   | 0.1   | 0.0   | 0.0   | 623.3               | 678.0 | 760.9 | 900.2  | 0.0                 | 0.0       | 6.4       | 8.3       | 22.5      | 1.0      |
| 03               | 51.5      | 32.7      | 42.1 | 4.9                   | 4.1                   | 4.4                   | 25.2                | 17.4  | 9.1   | 2.4   | 0.4   | 0.1   | 425.1               | 479.3 | 563.9 | 712.3  | 0.0                 | 0.0       | 15.3      | 2.3       | 17.3      | 0.0      |
| 04               | 64.5      | 42.9      | 53.7 | 3.0                   | 2.6                   | 2.7                   | 99.4                | 73.9  | 44.5  | 15.2  | 3.4   | 1.5   | 138.5               | 172.9 | 233.5 | 354.2  | 0.0                 | 0.0       | 26.5      | 0.0       | 5.0       | 0.0      |
| 05               | 74.2      | 53.8      | 64.0 | 3.7                   | 3.6                   | 3.6                   | 297.2               | 246.7 | 180.3 | 94.3  | 37.4  | 22.2  | 18.2                | 29.7  | 56.4  | 125.4  | 0.0                 | 0.2       | 30.9      | 0.0       | 0.1       | 0.0      |
| 06               | 82.6      | 62.7      | 72.7 | 2.3                   | 1.7                   | 1.8                   | 529.6               | 470.0 | 381.9 | 242.4 | 123.8 | 86.0  | 0.2                 | 0.6   | 2.5   | 13.1   | 0.0                 | 3.0       | 30.0      | 0.0       | 0.0       | 0.0      |
| 07               | 85.9      | 66.1      | 76.0 | 3.0                   | 2.3                   | 2.6                   | 650.9               | 588.9 | 495.9 | 341.4 | 195.2 | 144.0 | 0.0                 | 0.0   | 0.0   | 0.5    | 0.1                 | 6.1       | 31.0      | 0.0       | 0.0       | 0.0      |
| 08               | 84.6      | 64.3      | 74.5 | 2.4                   | 2.5                   | 2.3                   | 602.9               | 540.9 | 448.1 | 295.5 | 156.5 | 111.3 | 0.0                 | 0.0   | 0.2   | 2.7    | 0.0                 | 4.2       | 31.0      | 0.0       | 0.0       | 0.0      |
| 09               | 78.6      | 56.8      | 67.7 | 3.5                   | 2.5                   | 2.7                   | 386.0               | 329.6 | 250.3 | 138.6 | 60.3  | 39.5  | 5.0                 | 8.7   | 19.4  | 57.7   | 0.0                 | 2.0       | 30.0      | 0.0       | 0.0       | 0.0      |
| 10               | 66.2      | 45.9      | 56.0 | 2.6                   | 2.3                   | 2.3                   | 129.5               | 99.1  | 62.9  | 22.7  | 6.1   | 3.4   | 97.0                | 128.5 | 185.4 | 300.1  | 0.0                 | 0.1       | 28.8      | 0.0       | 1.9       | 0.0      |
| 11               | 52.7      | 35.4      | 44.1 | 4.9                   | 3.4                   | 4.0                   | 21.6                | 13.6  | 5.8   | 1.0   | 0.0   | 0.0   | 350.1               | 402.0 | 484.3 | 629.4  | 0.0                 | 0.0       | 16.8      | 1.1       | 13.8      | 0.0      |
| 12               | 41.5      | 27.1      | 34.3 | 4.7                   | 4.6                   | 4.5                   | 3.2                 | 1.8   | 0.8   | 0.2   | 0.0   | 0.0   | 644.8               | 705.4 | 797.4 | 951.8  | 0.0                 | 0.0       | 6.9       | 8.2       | 23.3      | 0.4      |
| Summary          | 63.4      | 44.5      | 53.9 | 3.8                   | 3.4                   | 3.4                   | 2750                | 2384  | 1880  | 1154  | 583   | 408   | 3095                | 3459  | 4051  | 5149   | 0.1                 | 15.6      | 258.2     | 32.7      | 109.8     | 3.8      |

Empty or blank cells indicate data is missing or insufficient occurrences to compute value

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Station: **DAYTON INTL AP, OH US USW00093815**

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1991-2020  
Generated on 05/20/2024

| 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                  | 3.08   | 13.4                | 6.1     | 1.8     | 0.4     | 2.14                                                                                                                   | 3.02  | 3.82  |
| 02                  | 2.35   | 11.3                | 5.5     | 1.4     | 0.4     | 1.48                                                                                                                   | 1.79  | 2.67  |
| 03                  | 3.50   | 12.1                | 7.1     | 2.4     | 0.7     | 2.63                                                                                                                   | 3.58  | 4.08  |
| 04                  | 4.46   | 13.0                | 8.5     | 3.0     | 1.1     | 3.42                                                                                                                   | 4.20  | 5.46  |
| 05                  | 4.51   | 14.1                | 9.1     | 2.9     | 0.9     | 2.98                                                                                                                   | 4.17  | 5.99  |
| 06                  | 4.14   | 11.9                | 7.2     | 2.8     | 1.0     | 3.00                                                                                                                   | 3.63  | 5.47  |
| 07                  | 3.95   | 10.6                | 7.2     | 2.8     | 1.2     | 2.89                                                                                                                   | 3.38  | 5.19  |
| 08                  | 2.96   | 8.1                 | 5.1     | 2.0     | 0.8     | 1.84                                                                                                                   | 2.82  | 3.70  |
| 09                  | 3.31   | 8.6                 | 5.1     | 2.0     | 0.8     | 1.03                                                                                                                   | 2.69  | 5.02  |
| 10                  | 2.95   | 9.5                 | 5.7     | 1.8     | 0.7     | 1.53                                                                                                                   | 3.04  | 3.78  |
| 11                  | 3.07   | 9.9                 | 5.8     | 1.9     | 0.8     | 2.06                                                                                                                   | 2.93  | 3.62  |
| 12                  | 3.05   | 11.8                | 6.2     | 2.1     | 0.6     | 2.22                                                                                                                   | 2.87  | 3.75  |
| Summary             | 41.33  | 134.3               | 78.6    | 26.9    | 9.4     | 27.22                                                                                                                  | 38.12 | 52.55 |

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1991-2020

Generated on 05/20/2024

Current Location: Elev: 1000 ft. Lat: 39.9061° N Lon: 84.2186° W  
Station: DAYTON INTL AP, OH US USW00093815

| 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             | 7.6                    | 2.6 | 0.7 | 0.3  | 0.0   | 10.7                     | 5.2  | 1.9 | 0.3 | 3.60                                                                                              | 6.20 | 10.20 |
| 02         | 6.60             | 6.4                    | 2.0 | 0.5 | 0.2  | 0.0   | 8.0                      | 3.3  | 1.9 | 0.3 | 2.50                                                                                              | 5.00 | 9.60  |
| 03         | 3.90             | 3.2                    | 1.1 | 0.3 | 0.2  | 0.0   | 2.3                      | 0.9  | 0.5 | 0.0 | 1.20                                                                                              | 2.30 | 5.80  |
| 04         | 0.40             | 1.0                    | 0.1 | 0.0 | 0.0  | 0.0   | 0.1                      | 0.0  | 0.0 | 0.0 | 0.00                                                                                              | 0.00 | 0.40  |
| 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         | 0.80             | 1.2                    | 0.3 | 0.0 | 0.0  | 0.0   | 0.5                      | 0.1  | 0.0 | 0.0 | 0.00                                                                                              | 0.40 | 1.10  |
| 12         | 4.80             | 4.9                    | 1.6 | 0.3 | 0.2  | 0.0   | 5.6                      | 2.4  | 0.9 | 0.2 | 1.30                                                                                              | 3.50 | 7.70  |
| Summary    | 25.0             | 24.5                   | 7.8 | 1.8 | 0.9  | 0.0   | 27.3                     | 11.9 | 5.2 | 0.8 | 8.6                                                                                               | 17.4 | 34.8  |

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Current Location: Elev: 1000 ft. Lat: 39.9061° N Lon: 84.2186° W

Station: DAYTON INTL AP, OH US USW00093815

| 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                                      | 35.5 | 49.9 | 171.6 | 421.7 | 744.0 | 979.4 | 1115.9 | 1067.8 | 830.9 | 500.0 | 192.0 | 58.7 |
| 45                                      | 15.4 | 23.0 | 100.3 | 292.3 | 589.4 | 829.4 | 960.9  | 912.8  | 681.0 | 355.0 | 108.9 | 26.3 |
| 50                                      | 5.7  | 9.2  | 53.8  | 182.4 | 437.8 | 679.4 | 805.9  | 757.9  | 531.8 | 227.9 | 54.2  | 10.5 |
| 55                                      | 1.3  | 3.1  | 25.2  | 99.4  | 297.2 | 529.6 | 650.9  | 602.9  | 386.0 | 129.5 | 21.6  | 3.2  |
| 60                                      | 0.1  | 0.8  | 9.1   | 44.5  | 180.3 | 381.9 | 495.9  | 448.1  | 250.3 | 62.9  | 5.8   | 0.8  |
| Growing Degree Units for Corn (Monthly) |      |      |       |       |       |       |        |        |       |       |       |      |
| 50/86                                   | 15.8 | 27.3 | 98.4  | 246.9 | 460.6 | 661.5 | 772.5  | 733.4  | 533.2 | 284.8 | 98.0  | 26.3 |

| Growing Degree Units (Accumulated Monthly)          |    |    |     |     |      |      |      |      |      |      |      |      |
|-----------------------------------------------------|----|----|-----|-----|------|------|------|------|------|------|------|------|
| 40                                                  | 36 | 85 | 257 | 679 | 1423 | 2402 | 3518 | 4586 | 5417 | 5917 | 6109 | 6167 |
| 45                                                  | 15 | 38 | 139 | 431 | 1020 | 1850 | 2811 | 3724 | 4404 | 4760 | 4868 | 4895 |
| 50                                                  | 6  | 15 | 69  | 251 | 689  | 1368 | 2174 | 2932 | 3464 | 3692 | 3746 | 3756 |
| 55                                                  | 1  | 4  | 30  | 129 | 426  | 956  | 1607 | 2210 | 2596 | 2725 | 2747 | 2750 |
| 60                                                  | 0  | 1  | 10  | 54  | 235  | 617  | 1113 | 1561 | 1811 | 1874 | 1880 | 1880 |
| Growing Degree Units for Corn (Monthly Accumulated) |    |    |     |     |      |      |      |      |      |      |      |      |
| 50/86                                               | 16 | 43 | 142 | 388 | 849  | 1510 | 2283 | 3016 | 3550 | 3834 | 3932 | 3959 |

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

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