

Plant Health Care Report

Scouting Report of The Morton Arboretum

Aug 2, 2024

Growing Degree Day/Weather issue

What indicator plant is in bloom at the Arboretum?

Queen Anne's lace (*Daucus carota*) is in flower (fig. 1).



Accumulated Growing Degree Days (Base 50): 1958.5 (as of Aug 1)
(GDD updated 9/23/24)

Figure 1 Queen Anne's lace

Degree Days

As of Aug 1, we have 1958.5 base-50 growing degree days (GDD) at The Morton Arboretum. The historical average (1937-2023) for this date is 2058 GDD₅₀.

| Location | GDD as of 8/1/2024 | GDD as of 8/3/2023 | GDD as of 8/1/2019 | GDD as of 8/2/2018 |
|--------------------------|--------------------|--------------------|--------------------|--------------------|
| Carbondale, IL* | 2880 | 2592 | 2512 | 2702 |
| Champaign, IL* | 2342 | 2168 | 2148 | 2343 |
| Chicago Botanic Garden** | No report | No report | No report | 1674 (8/1) |
| Glencoe* | 1534 | 1269 | 1212 | No report |
| Chicago O'Hare* | 2223 | 1988 | 1808 | 2007 |
| Kankakee, IL* | 2117 | 1918 | 1900 | 2110 |
| Lisle, IL* | 2245 | 2013 | 1855 | 2042 |
| The Morton Arboretum | 1958.5*** | 1700.5 | 1671.5 | 1939.5 |
| Quincy, IL* | 2511 | 2344 | 2223 | 2561 |
| Rockford, IL* | 1995 | 1833 | 1704 | 1881 |
| Springfield, IL* | 2477 | 2225 | 2207 | 2479 |
| Waukegan, IL* (60087) | 1889 | 1734 | 1502 | 1654 |
| Waukegan, IL* (60085) | 2013 | 1831 | 1594 | No report |

*We obtain most of our degree day information from the [GDD Tracker](#) from Michigan State University web site. **Thanks to Elizabeth Cullison, Chicago Botanic Garden, for supplying us with this information. ***Data updated 9/23/24

| Seasonal precipitation (rain and melted snow) in inches. | | | |
|--|------------------|--------------------|--------------------------------|
| 2024 data updated on 9/20/2024 | 2024 | 2023 | Historical average (1937-2023) |
| Jan | 3.9 | 2.85 | 1.95 |
| Feb | .56 | 4.88 | 1.81 |
| Mar | 2.64 | 2.29 | 2.53 |
| April | 4.44 | 2.23 | 3.65 |
| May | 3.73 | .79 | 4.17 |
| June | 5.29 | 1.23 | 4.16 |
| July | 4.79 | 8.92 | 3.95 |
| Aug | .23 (thru 8/1) | 2.54 (whole month) | 3.75 (whole month) |
| Sept | | | |
| Year to date | 26.14 (thru 8/1) | 25.73 (thru Aug) | 25.97 (thru Aug) |

Soil temperatures around Illinois (from Illinois State Water Survey)

This information will be provided all season. For data from other reporting stations, go to <https://www.isws.illinois.edu/warm/soil/> (you will need to set up an account to access data.)

| Max. Soil temps For Aug 15, 2024 | St. Charles reporting station (north) | Champaign reporting station (central) | Carbondale reporting station (south) |
|----------------------------------|---------------------------------------|---------------------------------------|--------------------------------------|
| 2-inch, bare soil | 78 | No data | 96 |
| 4-inch, bare soil | 77 | 84.9 | 90.5 |
| 4-inch, under sod | 80.2 | 83.4 | 85.9 |
| 8-inch, under sod | 77.1 | 79.6 | 82.6 |

* This is the maximum soil temperature recorded the day prior to publication of PHCR.



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