

# 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): 1982 (as of Aug 1)

Figure 1 Queen Anne's lace

### Degree Days

As of Aug 1, we have 1982 base-50 growing degree days (GDD) at The Morton Arboretum. The historical average (1937-2023) for this date is 1738 GDD<sub>50</sub>.

| 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     | 1982               | 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.

| Seasonal precipitation (rain and melted snow) in inches. |                  |                    |                                |
|--|------------------|--------------------|--------------------------------|
|  | 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   | 5.26             | 1.23               | 4.16                           |
| July   | 4.79             | 8.92               | 3.95                           |
| Aug  | .18 (thru 8/1)   | 2.54 (whole month) | 3.75 (whole month)             |
| Sept   |                  |                    |                                |
| Year to date   | 25.28 (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<br>For Aug 1, 2024 | St. Charles<br>reporting station<br>(north) | Champaign<br>reporting station<br>(central) | Carbondale<br>reporting station<br>(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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