

Plant Health Care Report

Scouting Report of The Morton Arboretum

August 11, 2023

Growing Degree Day/Weather issue

What indicator plant is in bloom at the Arboretum?

Chicory (*Cichorium intybus*) is in flower (fig. 1)



Accumulated Growing Degree Days (Base 50): 1839.5 (as of Aug 10)

Figure 1 Chicory

Degree Days and rainfall

As of Aug 11, we have 1839.5 base 50 growing degree days (GDD) at The Morton Arboretum. The historical average (1937-2022) for this date is 1951 GDD₅₀.

Location	GDD as of 8/10/2023	GDD as of 8/11/2022	GDD as of 8/10/2017	GDD as of 8/11/16
Carbondale, IL*	2777	2963	2970	3032
Champaign, IL*	2326	2461	2498	2568
Chicago Botanic Garden**	No report	2102	1852 (8/8)	2001 (8/10)
Glencoe*	1422	1678	No report	No report
Chicago O'Hare*	2143	2283	2078	2363
Kankakee, IL*	2061	2190	2192	2330
Lisle, IL*	2165	2304	2131	2384
The Morton Arboretum	1839.5	2135	1911.5	2053.5
Quincy, IL*	2510	2586	2658	2793
Rockford, IL*	1978	2050	1919	2104
Springfield, IL*	2378	2538	2604	2691
Waukegan, IL* (60087)	1886	1982	1736	2108
Waukegan, IL* (60085)	1982	2092	No report	No report

*We obtain most of our degree day information from the GDD Tracker from Michigan State University web site. For additional locations and daily degree days, go to <https://gddtracker.msu.edu/>. **Thank you to Chris Henning, Chicago Botanic Garden, for supplying us with this information.

Examples of insects that may emerge soon in northern Illinois (based on growing degree days)			
GDD (base 50)	insect	Life stage present at this GDD	Type of damage
1950	Magnolia scale	Crawlers begin to emerge	Feeding on sap

Seasonal precipitation (rain and melted snow) in inches.			
	2023	2022	Historical average (1937-2022)
Jan	2.85	1	1.935
Feb	4.88	2.61	1.775
Mar	2.29	3.88	2.536
April	2.23	3.88	3.667
May	.79	6.1	4.206
June	1.23	2.51	4.2
July	8.92	5.7	3.9
Aug	.18 (thru 8/10)		
Sept			
Year to date	23.37 (thru 8/10)	28.1 (thru Aug)	25.98 (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 10, 2023*	St. Charles reporting station (north)	Champaign reporting station (central)	Carbondale reporting station (south)
2-inch, bare soil	89.3	89.2	91
4-inch, bare soil	87	80.7	84.6
4-inch, under sod	76.9	84.3	83
8-inch, under sod	73.5	78.9	79.3

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

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