

Plant Health Care Report

Scouting Report of The Morton Arboretum

July 19, 2024

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): 1639.5 (as of July 18)
(GDD updated 9/23/24)

Figure 1 Chicory (photo: John Hagstrom)

Degree Days

As of July 18, we have 1639.5 base-50 growing degree days (GDD) at The Morton Arboretum. The historical average (1937-2023) for this date is 1399 GDD₅₀.

Location	GDD as of 7/18/2024	GDD as of 7/20/2023	GDD as of 7/18/2019	GDD as of 7/19/2018
Carbondale, IL*	2489	2194	2140	2354
Champaign, IL*	2023	1817	1804	2051
Chicago Botanic Garden**	1603	No report	1164	1393
Glencoe*	1216	950	899	No report
Chicago O'Hare*	1881	1628	1462	1698
Kankakee, IL*	1815	1593	1569	1821
Lisle, IL*	1903	1653	1506	1738
The Morton Arboretum	1639.5***	1377	1350	1647
Quincy, IL*	2156	1933	1860	2251
Rockford, IL*	1696	1511	1369	1604
Springfield, IL*	2141	1860	1852	2184
Waukegan, IL* (60087)	1583	1398	1180	1372
Waukegan, IL* (60085)	1698	1486	1263	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	4.56 (thru 7/18)	8.92 (whole month)	3.95 (whole month)
Aug			
Sept			
Year to date	25.68 (thru 7/18)	23.19 (thru July)	22.22 (thru July)

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
1934	Spotted lanternfly	Adult emergence	Feeding on sap; honeydew in large quantities
1950	Magnolia scale	Crawlers begin to emerge	Feeding on sap

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.)

This site is down today; date not available.

Max. Soil temps For July 18, 2024*	St. Charles reporting station (north)	Champaign reporting station (central)	Carbondale reporting station (south)
2-inch, bare soil			
4-inch, bare soil			
4-inch, under sod			
8-inch, under sod			

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

