

Plant Health Care Report

Scouting Report of The Morton Arboretum

July 16, 2021

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): 1426.5 (as of July 15)



Figure 1 Chicory (photo by John Hagstrom)

Degree Days and Rainfall

As of July 15, we have 1426.5 base-50 growing degree days (GDD) at The Morton Arboretum. The historical average (1937-2020) for this date is 1327 GDD₅₀.

Location	GDD as of 7/15/21	GDD as of 7/16/20	GDD as of 7/16/15	GDD as of 7/17/14
Carbondale, IL*	1968	1965	2133	2043
Champaign, IL*	1670	1653	1768	1749
Chicago Botanic Garden	No report	No report	1089 (7/15)	1159 (7/16)
Glencoe*	1081	No report	No report	No report
Chicago O'Hare*	1602	1503	1438	1520
Kankakee, IL*	1530	1538	1493	1543
Lisle, IL*	1595	1545	No report	No report
The Morton Arboretum	1426.5	1485.5	1243.5	1301.5
Quincy, IL*	1774	1734	1875	1836
Rockford, IL*	1474	1428	1231	1298
Springfield, IL*	1735	1713	1853	1800
Waukegan, IL* (60087)	1419	1287	1155	1294
Waukegan, IL* (60085)	1500	1345	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/>

Seasonal precipitation (rain and melted snow) in inches.			
	2021	2020	average
Jan	1.5	2.14	1.952
Feb	1.49	.85	1.769
Mar	1.24	4.15	2.536
April	1.39	4.37	3.692
May	3.34	8.24	4.194
June	6.57	4.91	4.190
July	1.76 (as of 7/15)	2.87	3.893
Aug		1.1	3.802
Year to date	17.29 (as of 7/15)	27.53 (as of 7/31)	22.22 (as of 7/31)
Total (Jan-Sept)		32.18 (Jan-Sept)	29.33 (Jan-Sept)

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

Soil temperatures around Illinois (from Illinois State Water Survey)

For more data go to <https://www.isws.illinois.edu/warm/soil/> (you will need to set up an account to access data.)

Max. Soil temps For July 15, 2021*	St. Charles reporting station (north)	Champaign reporting station (central)	Carbondale reporting station (south)
2-inch, bare soil	82.3	90.3	94.3
4-inch, bare soil	80.4	91.1	85.8
4-inch, under sod	77.6	85	84.8
8-inch, under sod	74.3	79.4	80.7

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



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