

# Plant Health Care Report

## Scouting Report of The Morton Arboretum

June 17, 2022

Growing Degree Day/Weather issue

### What indicator plant is in bloom at the Arboretum?

Catalpa (Catalpa species) is in full flower (fig. 1)

**Accumulated Growing Degree Days (Base 50): 818.5 (as of June 16)**



Figure 1 Catalpa

### Updates:

Very tiny bagworm reported in Joliet.

Spongy (gypsy) moth caterpillars (possibly 3<sup>rd</sup> and 4<sup>th</sup> instar) feeding actively in northern Dupage County.

### Degree Days and rainfall

As of June 16, we have 818.5 base-50 growing degree days (GDD) at The Morton Arboretum. The historical average (1937-2021) for this date is 664 GDD<sub>50</sub>.

Location	GDD as of 6/16/2022	GDD as of 6/17/21	GDD as of 6/18/15	GDD as of 6/19/14
Carbondale, IL*	1349	1212	1348	1279
Champaign, IL*	1056	1001	1147	1064
Chicago Botanic Garden**	No report	882	615.5 (6/17)	613
Glencoe*	464	536	No report	No report
Chicago O'Hare*	867	961	876	856
Kankakee, IL*	884	898	940	899
Lisle, IL*	884	950	No report	No report
The Morton Arboretum	818.5	817	734.5	718.5
Quincy, IL*	1114	1082	1216	1108
Rockford, IL*	754	862	747	722
Springfield, IL*	1090	1053	1210	1097
Waukegan, IL* (60087)	706	828	661	692
Waukegan, IL* (60085)	766	885	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.

Seasonal precipitation (rain and melted snow) in inches.			
	2022	2021	Historical average (1937-2021)
Jan	1	1.5	1.946
Feb	2.61	1.49	1.765
Mar	3.88	1.24	2.520
April	3.88	1.39	3.665
May	6.1	3.34	4.18
June	2.09 (6/16)	6.57 (whole month)	4.2 (whole month)
Year to date	19.56 (6/16)	15.53 (Jan thru June)	18.30 (Jan thru June)

Examples of insects that may emerge soon in northern Illinois (based on GDD)			
GDD (base 50)	insect	Life stage present at this GDD	Type of damage
900-1200	Japanese beetle	adults	Chewing foliage; mating and laying eggs
900-1200	Cottony maple scale	Crawlers beginning to emerge	Feeding on sap
1200-1800	Fall webworm	Caterpillars feeding, but webbing not seen yet	Chewing on leaves

### 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 June 16, 2022*	St. Charles reporting station (north)	Champaign reporting station (central)	Carbondale reporting station (south)
2-inch, bare soil	87.2	108.4	106.3
4-inch, bare soil	94.4	101.9	94.1
4-inch, under sod	78.5	88.8	90.1
8-inch, under sod	73.7	81.5	82.7

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



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