

# Plant Health Care Report

## Scouting Report of The Morton Arboretum

**June 18, 2021**

**Growing Degree Day/Weather issue**

**What indicator plant is in bloom at the Arboretum**

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

**Accumulated Growing Degree Days (Base 50): 817 (as of June 17)**



Figure 1 Catalpa

**Degree Days and Rainfall**

As of June 17, we have 817 base-50 growing degree days (GDD) at The Morton Arboretum. The historical average (1937-2020) for this date is 686 GDD<sub>50</sub>.

Location	GDD as of 6/17/21	GDD as of 6/18/20	GDD as of 6/18/15	GDD as of 6/19/14
Carbondale, IL*	1212	1162	1348	1279 (6/18)
Champaign, IL*	1001	901	1147	1064 (6/18)
Chicago Botanic Garden	882	658	615.5 (6/17)	613 (6/18)
Glencoe*	536	417	No report	No report
Chicago O'Hare*	961	754	876	856 (6/18)
Kankakee, IL*	898	811	940	899 (6/18)
Lisle, IL*	950	787	No report	No report
The Morton Arboretum	817	766	734.5	718.5
Quincy, IL*	1082	978	1216	1108 (6/18)
Rockford, IL*	862	727	747	722 (6/18)
Springfield, IL*	1053	963	1210	1097(6/18)
Waukegan, IL* (60087)	828	599	661	692 (6/18)
Waukegan, IL* (60085)	885	642	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	.86 (as of 6/17)	4.91	4.190
July		2.87	3.893
Aug		1.1	3.802
Year to date	9.82 (as of 6/17)	24.66 (as of 6/30)	18.33 (as of 6/30)
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
400-600 (start) 1000-1200 (peak)	Emerald ash borer	Adults beginning to emerge	Mating and laying eggs
900-1200	Japanese beetle	Adults (one of our volunteers has discovered a beetle in Naperville)	Chewing foliage; mating and laying eggs
900-1200	Cottony maple scale	Crawlers beginning 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 June 17, 2021*	St. Charles reporting station (north)	Champaign reporting station (central)	Carbondale reporting station (south)
2-inch, bare soil	93.7	102.1	99.3
4-inch, bare soil	91.7	98.2	89.4
4-inch, under sod	80.5	86.7	85.7
8-inch, under sod	72.8	78.5	80.1

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



Copyright © 2021 The Morton Arboretum

[Bartlett Tree Experts, Plant Clinic sponsor.](#)