

# Plant Health Care Report

## Scouting Report of The Morton Arboretum

June 20, 2025

Growing Degree Day/Weather issue

What indicator plant is in bloom at the Arboretum?

Catalpa (*Catalpa species*) (fig. 1) are in flower.



Accumulated Growing Degree Days (Base 50): (unavailable at this time)

### Degree Days

The historical average (1937-2024) for this date at the Arboretum is 727 GDD<sub>50</sub>.

Figure 1 Catalpa (photo: John Hagstrom)

Location	GDD as of 6/19/2025	GDD as of 6/20/2024	GDD as of 6/20/2019	GDD as of 6/18/2014
Carbondale, IL*	1473	1703	1332	1279
Champaign, IL*	1121	1321	1033	1064
Chicago Botanic Garden**	957	933	No report	613
Glencoe*	360	625	326	No report
Chicago O'Hare*	826	1185	701	856
Kankakee, IL*	874	1157	818	899
Lisle, IL*	863	1193	739	No report
The Morton Arboretum	No report	981.5	617.5	718.5
Quincy, IL*	1160	1417	1066	1108
Rockford, IL*	805	1058	646	722
Springfield, IL*	1153	1414	1075	1097
Waukegan, IL* (60087)	612	958	509	692
Waukegan, IL* (60085)	689	1049	566	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 Elizabeth Cullison, Chicago Botanic Garden, for supplying us with this information.

Seasonal precipitation (rain and melted snow) in inches.			
	2025	2024	Historical average (1937-2024)
Jan	.97	3.42	1.96
Feb	1.3	.56	1.8
Mar	4.59	3.68	2.55
April	3.34	4.44	3.66
May	1.86	3.73	4.16
June	3.68 (thru 6/19)	5.29 (whole month)	4.18 (whole month)
Year to date	15.74 (thru 6/19)	21.12 (thru June)	18.3 (thru June)

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
900-1200	Japanese beetle	adults	Chewing foliage; mating and laying eggs
Possibly 1200-1300	Viburnum leaf beetles	Adults emerging	Chewing on leaves
1200-1800	Fall webworm	Caterpillars feeding, but webbing not seen yet	Chewing on leaves
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://warm.isws.illinois.edu/warm/> (you will need to set up an account to access data.)

Max. Soil temps For June 19 2025*	St. Charles reporting station (north)	Champaign reporting station (central)	Carbondale reporting station (south)
2-inch, bare soil	93.6	98	86.1
4-inch, bare soil	86.1	88.2	87.6
4-inch, under sod	80.6	84.5	81.8
8-inch, under sod	74.2	77.8	78.8

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



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*Bartlett Tree Experts, Plant Clinic sponsor.*