

Plant Health Care Report

Scouting Report of The Morton Arboretum

June 7, 2024

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): 589 (as of June 6)

Pest updates: Galls are showing up everywhere (more to come next week in the full issue). *Viburnum* crown borer is being reported. Brown rot of stone fruit is causing blighted leaves on cherry trees.

Figure 1 Catalpa Photo: John Hagstrom

Degree Days

As of June 6, we have 589 base-50 growing degree days (GDD) at The Morton Arboretum. The historical average (1937-2023) for this date is 451 GDD₅₀.

Location	GDD as of 6/6/2024	GDD as of 6/8/2023	GDD as of 6/6/2019	GDD as of 6/6/2018
Carbondale, IL*	1354	1079	1026	1067
Champaign, IL*	974	876	763	933
Chicago Botanic Garden**	614.5	581	315 (6/5)	467.5
Glencoe*	368	266	196	No report
Chicago O'Hare*	833	718	492	648
Kankakee, IL*	818	733	578	756
Lisle, IL*	841	731	522	672
The Morton Arboretum	589	557	417.5	627.5
Quincy, IL*	1046	917	784	1023
Rockford, IL*	727	655	440	638
Springfield, IL*	1051	884	797	1011
Waukegan, IL* (60087)	639	567	340	477
Waukegan, IL* (60085)	713	626	384	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.

Seasonal precipitation (rain and melted snow) in inches.			
	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	2.01 (as of 6/6)	1.23 (whole month)	4.16 (whole month)
July			
Aug			
Sept			
Year to date	17.28 (thru 6/6)	14.27 (thru June)	18.27 (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
700-800	Bagworm	Caterpillars emerging	Chewing foliage
900-1200	Japanese beetle	adults	Chewing foliage; mating and laying eggs

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 6, 2024*	St. Charles reporting station (north)	Champaign reporting station (central)	Carbondale reporting station (south)
2-inch, bare soil	83	84.2	88.9
4-inch, bare soil	82.6	79.1	82.3
4-inch, under sod	72.6	80.1	78
8-inch, under sod	71.1	74.2	76.5

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



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