

# Plant Health Care Report

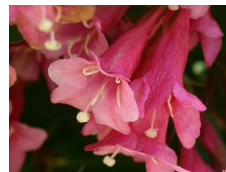
## Scouting Report of The Morton Arboretum

June 2, 2023

Growing Degree Day/Weather issue

What indicator plant is in bloom at the Arboretum?

Weigela (*Weigela florida*) is in flower.



Accumulated Growing Degree Days (Base 50): 439.5 (as of June 1)

Figure 1 Weigela (photo: John Hagstrom)

### Degree Days and rainfall

As of June 1, we have 439.5 base 50 growing degree days (GDD) at The Morton Arboretum. The historical average (1937-2022) for this date is 388 GDD<sub>50</sub>.

Location	GDD as of 6/1/2023	GDD as of 6/2/2022	GDD as of 5/30/2017	GDD as of 6/2/2016
Carbondale, IL*	917	962	1056	976
Champaign, IL*	718	715	754	754
Chicago Botanic Garden**	448	483 (6/1)	386.5 (5/31)	364 (6/1)
Glencoe*	189	285	No report	No report
Chicago O'Hare*	575	584	467	587
Kankakee, IL*	589	590	566	622
Lisle, IL*	583	591	490	610
The Morton Arboretum	439.5	538	419.5 (6/1)	469
Quincy, IL*	755	754	842	834
Rockford, IL*	514	488	409	502
Springfield, IL*	727	740	796	793
Waukegan, IL* (60087)	446	464	329	444
Waukegan, IL* (60085)	495	510	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.			
	2023	2022	Historical average (1937-2022)
Jan	2.85	1	1.935
Feb	4.88	2.61	1.775
Mar	2.29	3.88	2.536
April	2.23	3.88	3.667
May	.79 (thru May)	6.1	4.206
Year to date	13.04 (thru May)	17.47 (thru May)	14.12 (thru May)

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
300-700	Oystershell scale	Crawlers emerging	Feeding on sap
400-600	<a href="#">Emerald ash borer</a>	Adults beginning to emerge	Mating and laying eggs
500-700	Euonymus scale	Crawlers emerging	Feeding on sap
500-600	Viburnum crown borer	Caterpillars hatching and entering bark	Tunnel under bark
700-800	<a href="#">Bagworm</a>	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 1, 2023*	St. Charles reporting station (north)	Champaign reporting station (central)	Carbondale reporting station (south)
2-inch, bare soil	93.9	93.5	90.6
4-inch, bare soil	89.9	82.8	85.1
4-inch, under sod	78.2	80.9	79.8
8-inch, under sod	70.9	74.5	75.5

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

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