

Plant Health Care Report

Scouting Report of The Morton Arboretum

June 3, 2022

Growing Degree Day/Weather issue

What indicator plant is in bloom at the Arboretum?

Old-fashioned weigela (*Weigela florida*) is in full flower.

Accumulated Growing Degree Days (Base 50): 538 (as of June 2)



Degree Days and rainfall

As of June 2, we have 538 base-50 growing degree days (GDD) at The Morton Arboretum. The historical average (1937-2021) for this date is 402 GDD₅₀.

Figure 1 Weigela (photo: John Hagstrom)

Location	GDD as of 6/2/2022	GDD as of 6/3/21	GDD as of 6/4/15	GDD as of 6/5/14
Carbondale, IL*	962	842	947	967
Champaign, IL*	715	645	781	788
Chicago Botanic Garden**	483 (6/1)	534	388 (6/2)	395.5 (6/4)
Glencoe*	285	276	No report	No report
Chicago O'Hare*	584	585	573	589
Kankakee, IL*	590	549	625	494.5
Lisle, IL*	591	580	No report	No report
The Morton Arboretum	538	478.5	458	471
Quincy, IL*	754	704	837	832
Rockford, IL*	488	494	464	494
Springfield, IL*	740	684	838	823
Waukegan, IL* (60087)	464	483	411	467
Waukegan, IL* (60085)	510	526	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 (not a typo, same as March)	1.39	3.665
May	6.1	3.34	4.18
June	1 (6/2)	6.57 (whole month)	4.2
Year to date	18.47 (6/2)	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
300-700	Oystershell scale	Crawlers emerging	Feeding on sap
500-700	Euonymus scale	Crawlers emerging	Feeding on sap
500-600	Viburnum crown borer	Caterpillars hatching and entering bark	Tunnel under bark
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 2, 2022*	St. Charles reporting station (north)	Champaign reporting station (central)	Carbondale reporting station (south)
2-inch, bare soil	83.3	95.9	85.7
4-inch, bare soil	81.8	88.7	80.5
4-inch, under sod	75.2	78	79.1
8-inch, under sod	70.3	73.6	74.5

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



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