

Plant Health Care Report

Scouting Report of The Morton Arboretum

June 4, 2021

Growing Degree Day/Weather issue

What indicator plant is in bloom at the Arboretum

Weigela (*Weigela florida*) is in flower (fig. 1)

Accumulated Growing Degree Days (Base 50): 478.5 (as of June 3)

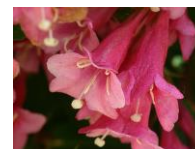


Figure 1 Weigela (photo: J. Hagstrom)

Degree Days and Rainfall

As of June 3, we have 478.5 base-50 growing degree days (GDD) at The Morton Arboretum. The historical average (1937-2020) for this date is 420 GDD₅₀.

Location	GDD as of 6/3/21	GDD as of 6/4/20	GDD as of 6/4/15	GDD as of 6/5/14
Carbondale, IL*	842	812	947	967
Champaign, IL*	645	586	781	788
Chicago Botanic Garden	534	432	388 (6/2)	395.5 (6/4)
Glencoe*	276	238	No report	No report
Chicago O'Hare*	585	484	573	589
Kankakee, IL*	549	512	625	494.5
Lisle, IL*	580	504	No report	No report
The Morton Arboretum	478.5	496	458	471
Quincy, IL*	704	647	837	832
Rockford, IL*	494	444	464	494
Springfield, IL*	684	632	838	823
Waukegan, IL* (60087)	483	374	411	467
Waukegan, IL* (60085)	526	405	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	0 (as of 6/3)	4.91	4.190
July		2.87	3.893
Aug		1.1	3.802
Year to date	8.96 (as of 6/3)	19.75 (as of 5/31)	14.143 (as of 5/31)
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
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 in spring and fall issues only. 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 3, 2021*	St. Charles reporting station (north)	Champaign reporting station (central)	Carbondale reporting station (south)
2-inch, bare soil	90.8	96	89.1
4-inch, bare soil	86.5	92.2	78
4-inch, under sod	74.1	80.7	75.8
8-inch, under sod	67.6	72.5	68.8

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



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