

Plant Health Care Report

Scouting Report of The Morton Arboretum

Aug 13, 2021

Growing Degree Day/Weather issue

What indicator plant is in bloom at the Arboretum

Rose of Sharon (*Hibiscus syriacus*) is in late flower (fig. 1)

Accumulated Growing Degree Days (Base 50): 2104 (as of Aug 12)



Figure 1 Rose of Sharon (photo by John Hagstrom)

Degree Days and Rainfall

As of Aug 12, we have 2104 base-50 growing degree days (GDD) at The Morton Arboretum. The historical average (1937-2020) for this date is 1995 GDD₅₀.

Location	GDD as of 8/12/21	GDD as of 8/13/20	GDD as of 8/13/15	GDD as of 8/14/14
Carbondale, IL*	2725	2728	2941	No issue
Champaign, IL*	2357	2317	2491	No issue
Chicago Botanic Garden	2264	2120	1760 (8/12)	No issue
Glencoe*	1723	1703	No report	No issue
Chicago O'Hare*	2302	2187	2183	No issue
Kankakee, IL*	2207	2159	2173	No issue
Lisle, IL*	2296	2227	No report	No issue
The Morton Arboretum	2104	2134.5	1891	No issue
Quincy, IL*	2501	2456	2624	No issue
Rockford, IL*	2129	2051	1866	No issue
Springfield, IL*	2449	2393	2601	No issue
Waukegan, IL* (60087)	2083	1923	1825	No issue
Waukegan, IL* (60085)	2184	1999	No report	No issue

*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://gdctracker.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	6.57	4.91	4.190
July	2.04	2.87	3.893
Aug	1.36 (as of 8/12)	1.1	3.802
Sept			
Year to date	18.93 (as of 8/12)	28.63 (as of 8/31)	26.03 (as of 8/31)

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
1950	Magnolia scale	Crawlers begin to emerge (be checking now: consider waiting until more of the population emerges to get the best use of your insecticide)	Feeding on sap

Soil temperatures around Illinois (from Illinois State Water Survey)

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 Aug 12, 2021*	St. Charles reporting station (north)	Champaign reporting station (central)	Carbondale reporting station (south)
2-inch, bare soil	81.8	81.3	106.2
4-inch, bare soil	82.6	81.7	64.5
4-inch, under sod	79.9	82.2	87.9
8-inch, under sod	77	80.5	82.5

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



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