

# Plant Health Care Report

Scouting Report of The Morton Arboretum

July 29, 2022

Growing Degree Day/Weather issue

## What indicator plant is in bloom at the Arboretum?

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



Figure 1 Rose of Sharon (photo: John Hagstrom)

Accumulated Growing Degree Days (Base 50): 1807 (as of July 28)

## Degree Days and rainfall

As of July 28, we have 1807 base-50 growing degree days (GDD) at The Morton Arboretum. The historical average (1937-2021) for this date is 1646 GDD<sub>50</sub>.

Location	GDD as of 7/28/2022	GDD as of 7/29/21	GDD as of 7/30/15	GDD as of 7/31/14
Carbondale, IL*	2571	2358	2559	No issue
Champaign, IL*	2113	2034	2146	No issue
Chicago Botanic Garden**	No report	No report	1420 (7/29)	No issue
Glencoe*	1355	1403	No report	No issue
Chicago O'Hare*	1927	1968	1834	No issue
Kankakee, IL*	1865	1882	1857	No issue
Lisle, IL*	1948	1960	No report	No issue
The Morton Arboretum	1807	1775.5	1587.5	No issue
Quincy, IL*	2212	2158	2266	No issue
Rockford, IL*	1733	1809	1567	No issue
Springfield, IL*	2184	2109	2245	No issue
Waukegan, IL* (60087)	1660	1763	1512	No issue
Waukegan, IL* (60085)	1754	1856	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://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	1.39	3.665
May	6.1	3.34	4.18
June	2.51	6.57	4.2
July	5.7 (thru 7/28)	2.04 (whole month)	3.87 (whole month)
Aug			
Sept			
Year to date	25.68 (thru 7/28)	17.57 (Jan thru July)	22.17 (Jan thru July)

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
1950	Magnolia scale	Crawlers begin to emerge	Feeding on sap

### 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 July 28, 2022*	St. Charles reporting station (north)	Champaign reporting station (central)	Carbondale reporting station (south)
2-inch, bare soil	86.4	101	93.8
4-inch, bare soil	84.6	93.9	86.1
4-inch, under sod	79	85.2	85.5
8-inch, under sod	75.7	80.2	83.1

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



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