

Plant Health Care Report



Scouting Report of The Morton Arboretum

August 25, 2023

Growing Degree Day/Weather issue

This is the last growing degree day/weather issue for 2023. There will be two more full issues published on Sept 8 and Sept 22.

Accumulated Growing Degree Days (Base 50): 2116 (as of Aug 24)

Degree Days and rainfall

As of Aug 24 we have 2116 base 50 growing degree days (GDD) at The Morton Arboretum. The historical average (1937-2022) for this date is 2278 GDD₅₀.

Location	GDD as of 8/24/2023	GDD as of 8/25/2022	GDD as of 8/24/2017
Carbondale, IL*	3164	3289	3326
Champaign, IL*	2677	2748	2818
Chicago Botanic Garden**	No report	2433	2172
Glencoe*	1744	1962	No report
Chicago O'Hare*	2493	2586	2380
Kankakee, IL*	2383	2457	2487
Lisle, IL*	2513	2606	2434
The Morton Arboretum	2116	2423	2195
Quincy, IL*	2896	2903	2978
Rockford, IL*	2294	2307	2175
Springfield, IL*	2745	2838	2926
Waukegan, IL* (60087)	2211	2259	1996
Waukegan, IL* (60085)	2320	2380	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	6.1	4.206
June	1.23	2.51	4.2
July	8.92	5.7	3.9
Aug	2.54 (thru 8/24)	2.42 (whole month)	3.77 (whole month)
Sept			
Year to date	25.73 (thru 8/24)	28.1 (thru Aug)	25.98 (thru Aug)

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 Aug 24, 2023*	St. Charles reporting station (north)	Champaign reporting station (central)	Carbondale reporting station (south)
2-inch, bare soil	97.7	98.6	105.8
4-inch, bare soil	96.9	90.8	96.9
4-inch, under sod	83.4	88.7	88.8
8-inch, under sod	78.5	82.7	83.8

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

Presenting Sponsor of the Plant Clinic

Copyright © 2023 The Morton Arboretum

