

Plant Health Care Report



THE
CHAMPION
of TREES

Scouting Report of The Morton Arboretum

Aug 26, 2022

Growing Degree Day/Weather issue

This is the last growing degree day/weather issue for 2022. There will be two more full issues published on Sept 9 and Sept 23.

Accumulated Growing Degree Days (Base 50): 2423 (as of Aug 25)

Degree Days and rainfall

As of Aug 25, we have 2423 base-50 growing degree days (GDD) at The Morton Arboretum. The historical average (1937-2021) for this date is 2278 GDD₅₀.

Location	GDD as of 8/25/2022	GDD as of 8/26/21	GDD as of 8/27/15	GDD as of 8/28/14
Carbondale, IL*	3289	3113	3236	No issue
Champaign, IL*	2748	2718	2787	No issue
Chicago Botanic Garden**	2433	2604	2012	No issue
Glencoe*	1962	2067	No report	No issue
Chicago O'Hare*	2586	2665	2482	No issue
Kankakee, IL*	2457	2555	2454	No issue
Lisle, IL*	2606	2659	No report	No issue
The Morton Arboretum	2423	2445	2170	No issue
Quincy, IL*	2903	2869	2919	No issue
Rockford, IL*	2307	2462	2140	No issue
Springfield, IL*	2838	2813	2893	No issue
Waukegan, IL* (60087)	2259	2421	2107	No issue
Waukegan, IL* (60085)	2380	2534	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	2.04	3.87
Aug	2.17 (as of 8/25)	2.12 (whole month)	3.78 (whole month)
Sept			
Year to date	27.85 (8/25)	19.69 (Jan thru Aug)	25.95 (Jan 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 25, 2022*	St. Charles reporting station (north)	Champaign reporting station (central)	Carbondale reporting station (south)
2-inch, bare soil	79.8	93.2	101.6
4-inch, bare soil	78.8	87	91.5
4-inch, under sod	76	80	82.9
8-inch, under sod	73.9	76.7	79.5

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



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