

# Plant Health Care Report

## Scouting Report of The Morton Arboretum

May 7, 2021

Growing Degree Day/Weather issue

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

Common lilac (*Syringa vulgaris*) is in full flower.

Accumulated Growing Degree Days (Base 50): 192.5 (as of May 6)



Figure 1 Lilac

### Degree Days and Rainfall

As of May 6, we have 192.5 base-50 growing degree days (GDD) at The Morton Arboretum. The historical average (1937-2020) for this date is 88 GDD<sub>50</sub>.

Location	GDD as of 5/6/21	GDD as of 5/7/20	GDD as of 5/7/15	GDD as of 5/8/14
Carbondale, IL*	436	354	446	405
Champaign, IL*	279	176	319	277
Chicago Botanic Garden	242	No report	93 (5/5)	52.5
Glencoe*	84	19	No report	No report
Chicago O'Hare*	258	108	206	127
Kankakee, IL*	229	127	246	182
Lisle, IL*	260	117	No report	No report
The Morton Arboretum	192.5	97.5 (5/6)	130.5	76
Quincy, IL*	348	243	411	308
Rockford, IL*	205	89	162	97
Springfield, IL*	318	218	381	302
Waukegan, IL* (60087)	200	52	124	81
Waukegan, IL* (60085)	226	66	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	.24 (as of 5/6)	8.24	4.194
June		4.91	4.190
July		2.87	3.893
Aug		1.1	3.802
Year to date	5.86 (as of 5/6)	19.75 (as of 5/31)	14.14 (as of 5/31)
Total (Jan-Aug)		28.63 (Jan-Aug)	26.03 (Jan-Aug)

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
100-450	Gypsy moth	larvae	Chewing leaves
300-700	Oystershell scale	Crawlers emerging	Feeding on sap
400-600	Bronze birch borer	Larvae hatching out and beginning to enter bark	Tunneling under bark
400-600	Elm leaf beetle	First generation larvae emerging	Chewing leaves
400-600	Emerald ash borer	Adults beginning to emerge	Mating and laying eggs
400-500	Pine needle scale	Crawlers emerging	Feeding on sap

### 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 May 7, 2021	St. Charles reporting station (north)	Champaign reporting station (central)	Carbondale reporting station (south)
2-inch, bare soil	49.3	49.2	52.8
4-inch, bare soil	52.6	51.2	55.4
4-inch, under sod	53.4	56.6	59.7
8-inch, under sod	54.6	59.3	59.4



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