

Plant Health Care Report

Scouting Report of The Morton Arboretum

April 9, 2021

Growing Degree Day/Weather issue

What indicator plant is in bloom at the Arboretum

Corneliancherry dogwood (*Cornus mas*) is in full flower.

Accumulated Growing Degree Days (Base 50): 91.5 (as of April 8)



Figure 1 *Cornus mas*

Degree Days and Rainfall

As of April 8, we have 91.5 base-50 growing degree days (GDD) at The Morton Arboretum. The historical average (1937-2020) for this date is 0 GDD₅₀.

Location	GDD as of 4/8/21	GDD as of 4/9/20	GDD as of 4/9/15	GDD as of 4/10/14
Carbondale, IL*	194	182	159	No issue that week
Champaign, IL*	122	78	94	No issue that week
Chicago Botanic Garden	102	No report	8 (as of (4/8))	No issue that week
Glencoe*	40	7	No report	No issue that week
Chicago O'Hare*	134	47	43	No issue that week
Kankakee, IL*	109	59	51	No issue that week
Lisle, IL*	135	52	No report	No issue that week
The Morton Arboretum	91.5	33.5	14	No issue that week
Quincy, IL*	146	97	119	No issue that week
Rockford, IL*	80	31	26	No issue that week
Springfield, IL*	137	95	116	No issue that week
Waukegan, IL* (60087)	105	23	19	No issue that week
Waukegan, IL* (60085)	120	29	No report	No issue that week

*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	.47 (thru 4/8)	4.37	3.692
May		8.24	4.194
June		4.91	4.190
July		2.87	3.893
Aug		1.1	3.802
Year	4.7 (thru 4/8)	28.63	26.03

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 (possibly less)	Viburnum leaf beetle	Larvae (may be feeding when leaves are half expanded)	Chewing leaves
100-200	Eastern tent caterpillar	Caterpillars (www.usanpn.org predicts these may emerge in the next week or so)	Chewing leaves
100-200	Elm flea weevil	Overwintering adults and larvae	Chewing leaves
100-200	Pine sawfly	larvae	Chewing needles
100-450	Gypsy moth	larvae	Chewing leaves
100-200	Zimmerman pine moth	Larvae emerging from overwintering sites on trunk	Tunneling into bark

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 April 9, 2021	St. Charles reporting station (north)*	Champaign reporting station (central)	Carbondale reporting station (south)
2-inch, bare soil	52.3	54.9	55.2
4-inch, bare soil	53.7	54.7	54.6
4-inch, under sod	54.5	56.6	57.7
8-inch, under sod	53	57.1	56.6

*St. Charles did have 5 days where the soil at the 2-inch level was above 55 degrees, so crabgrass may be germinating soon (or already!) in Northern Illinois



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