

Plant Health Care Report

Scouting Report of The Morton Arboretum

April 23, 2021

Growing Degree Day/Weather issue

What indicator plant is in bloom at the Arboretum

Redbud (*Cercis canadensis*) is in full flower.

Accumulated Growing Degree Days (Base 50): 95 (as of April 22)



Figure 1 Redbud

Degree Days and Rainfall

As of April 22, we have 95 base-50 growing degree days (GDD) at The Morton Arboretum. The historical average (1937-2020) for this date is 14 GDD₅₀.

Location	GDD as of 4/22/21	GDD as of 4/23/20	GDD as of 4/23/15	GDD as of 4/25/14
Carbondale, IL*	264	219	291	No issue that week
Champaign, IL*	152	102	182	No issue that week
Chicago Botanic Garden	No report	No report	45 (4/22)	No issue that week
Glencoe*	41	7	No report	No issue that week
Chicago O'Hare*	146	58	111	No issue that week
Kankakee, IL*	129	74	131	No issue that week
Lisle, IL*	147	64	No report	No issue that week
The Morton Arboretum	95	44.5	66.5	No issue that week
Quincy, IL*	172	134	236	No issue that week
Rockford, IL*	85	38	83	No issue that week
Springfield, IL*	165	128	222	No issue that week
Waukegan, IL* (60087)	114	27	56	No issue that week
Waukegan, IL* (60085)	132	34	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	.93 (thru 4/22)	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 to date	5.16	11.51 (as of 4/30)	9.949 (as of 4/30)
Total (Jan-Aug)		28.63 (Jan-Aug)	26.03 (Jan-Aug)

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	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 23, 2021	St. Charles reporting station (north)	Champaign reporting station (central)	Carbondale reporting station (south)
2-inch, bare soil	46.2	45.2	50.9
4-inch, bare soil	48.7	46.6	52.4
4-inch, under sod	47.7	51.5	54.5
8-inch, under sod	48.2	53.4	53.6



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