

July 1, 2019

Good afternoon!

Probably every one of us enjoyed the break from the rain – although not all the county had much of a break! The sunshine seemed to brighten our spirits – and it brought out a lot of pollinators to enjoy the summer blooms. The higher temperatures also boosted the increase in growing degree day units this week.

The OSU Phenology Calendar is online at <http://www.oardc.ohio-state.edu/gdd/CalendarView.asp>. It is available to those who would like to see the status of growing degree days or even check on past dates. We have submitted some data on local pollinators to The Great Sunflower Project. The committee usually works on Wednesday mornings – subject to weather and changes in personal plans. Please feel free to stop and ask questions while we are there or contact us through the Extension office (find the contact info above).

Here is the data by town/zip code for the number of growing degree day units (GDD units) in our county as of June 30, 2019:

Adams Mills/43821	1290 (+163 GDD from 6/23/19)	1388 GDDS for 6/30/2018 (last year)
Conesville/43811	1268 (+163)	1340
Coshocton/43812	1222 (+167)	1305
Fresno/43824	1177 (+171)	1288
Walhonding/43843	1180 (+173)	1298
Warsaw/43844	1199 (+177)	1302
W. Lafayette/43845	1226 (+166)	1302

Some phenological events that you may be seeing now or will see soon are:

- Large Crabgrass, 80% seedling emergence at 1160
- Ural Falsespirea (*Sorbaria sorbifolia*), first bloom at 1170
- Panicked Goldenraintree (*Koeleruteria paniculata*), full bloom at 1251

Events that should be occurring next are:

- Rose-of-Sharon (*Hibiscus syriacus*), first bloom at 1347
- Pine Needle Scale (*Chionaspis pinifoliae*), egg hatch - 2nd generation at 1349
- Asian longhorned beetle (*Anoplophora glabripennis*), 50% adult emergence at 1887
- Mimosa Webworm (*Homodaula anisocentra*), egg hatch - 2nd generation at 1920
- Euonymus Scale (*Unaspis euonymii*), egg hatch - 2nd generation at 1923
- Magnolia Scale (*Hemiptera sternorrhyncha*), egg hatch at 1938

As you can see by the very short list of events above, we are entering the time of the season when the spring blooms are finished. There are not very many summer blooming events on the phenology calendar and just a few insect events. It will be a couple of weeks between events after the Pine Needle Scale hatch. Due to the lack of events predicted for next week we will skip the report on July 8<sup>th</sup> and resume the next week.

We have a range of 1177 to 1290 GDD units across the county, disregarding micro-climates. Those 113 GDDs can make several days' difference regarding when a particular insect emerges or a plant blooms. We are still a little bit behind last year's numbers. Looking at the forecast for the next week, we will again see an increase in GDDs in our area. According to *Weather.com*, daytime highs will range in the upper 80's to as much as 90 degrees; nightly lows will likely range in the 60's to lower 70's. Several days indicate a chance of scattered thunderstorms; we'll hope we don't get a lot of rain!

We spotted a monarch butterfly on the common milkweed on Thursday afternoon; we'll be watching for caterpillars soon. There have been several reports of monarch activity in other parts of the state. The current blooms have enticed several different species of pollinator – flies, butterflies, honeybees, bumblebees, and beetles. New blooms this week included more purple coneflowers, daylilies and bee balm and we should see Joe Pye, Culver's root, hyssop, rattlesnake master and pinnate prairie coneflowers opening soon. If the weather holds, we'll be able to deadhead the bachelor's button to encourage another round of blooms. We would like to remind everyone again to avoid putting pesticides on blooming plants to protect the pollinators!



The butterfly weed attracted this great spangled fritillary on Wednesday.



Our first monarch of the season was spotted on Thursday and it appears to be a female. We've been watching for eggs, caterpillars and adults!



The 'Raspberry Wine' bee balm (*monarda didyma*) opened last week – pollinators should find it soon!



This red admiral butterfly was very busy on this purple coneflower on Thursday.

