

Pest & Crop Newsletter

Purdue Cooperative Extension Service
and USDA-NIFA Extension IPM Grant



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In This Issue

- [Armyworm Pheromone Trap Report - 2024](#)
- [Are There Toxic Plants In Your Pasture Or Hay?](#)
- [2024 OISC Clean Sweep Pesticide Disposal Information Form](#)
- [April Ends Warm And Wet](#)

Armyworm Pheromone Trap Report - 2024

(John Obermeyer)

County/Cooperator	Wk	Wk	Wk	Wk	Wk	Wk	Wk	Wk	Wk	Wk	Wk
	1	2	3	4	5	6	7	8	9	10	11
Dubois/SIPAC Ag Center	0	8	41	101							
Jennings/SEPAC Ag Center	1	8	58	137	60						
Knox/SWPAC Ag Center	0	0	41	31	13						
LaPorte/Pinney Ag Center	0	44	51	65	33						
Lawrence/Feldun Ag Center	4	125	248	103	69						
Randolph/DPAC Ag Center	0	0	25	90	84						
Tippecanoe/ACRE	0	4	37	27	68						
Whitley/NEPAC Ag Center	0	0	62	179	381						

Wk 1 = 4/1-4/3/24; Wk 2 = 4/4-4/10/24; Wk 3 = 4/11-4/17/24; Wk 4 = 4/18-4/24/24; Wk 5 = 4/25-5/1/24; Wk 6 = 5/2-5/8/24; Wk 7 = 5/9-5/15/24; Wk 8 = 5/16-5/22/24; Wk 9 = 5/23-5/29/24; Wk 10 = 5/30-6/5/24; Wk 11 = 6/6-6/12/24

Are There Toxic Plants In Your Pasture Or Hay?

(Keith Johnson)

Recent conversations with individuals about poison hemlock and cressleaf groundsel, plants with toxicity concerns, prompts me to inform producers and agricultural professionals about the "Toxic Plant Exhibit" at the Southern Indiana Agricultural Center. The exhibit has 21 plants, each growing in a two-foot diameter ring. Placards identify the plants. Each placard also has a QR code that takes you to [Toxic Plants \(purdue.edu\)](#). Information provided includes photographs, general growth characteristics, details about where the plant is most likely found and when it is of most concern, what is known about toxicity symptoms, and amount of the plant consumed that can cause symptoms and possible death. The team that developed the exhibit were Jacob E. Tower, Purdue undergraduate student; Grant Burcham, Animal Disease Diagnostic Laboratory Diagnostician; Jason Tower, Southern Indiana Purdue Agricultural Center Superintendent; Molley Hasenour, Purdue Extension Educator; Keith Johnson, Purdue Forage

Specialist, and Marcus Mues, Purdue Agronomy Digital Content Specialist. Visiting this website to learn about some plants that may cause livestock problems before the plant is grazed, or fed as hay or silage is encouraged.



Toxic Plant Exhibit Website's Header (Photo Credit: Keith Johnson)

2024 OISC Clean Sweep Pesticide Disposal Information Form

(Nathan Davis, Office of Indiana State Chemist)

The **2024 OISC Clean Sweep Pesticide Disposal** participant form is attached and available via the OISC website at the link below.

Clean Sweep Pesticide Disposal Link:

https://oisc.purdue.edu/pesticide/clean_sweep.html

If you are planning on participating in the program, please complete the attached 2024 OISC Clean Sweep participant form and return the form to me via the contact info on the form. Please keep the info form as that form has the dates and locations.

If you are an organization, such as Extension, Purdue Pesticide Programs, Solid waste Districts, Recycling districts, media and other organizations please forward the attached participant form onto all interested parties. The program would not be a success without all you do getting the word out!

WHAT: An OISC Clean Sweep Pesticide Disposal Program designed to collect and dispose of suspended, canceled, banned, unusable, opened, unopened or just unwanted pesticides (herbicides, insecticides, rodenticides, fungicides, miticides, etc.) is being sponsored by the Office of Indiana State Chemist (OISC). This disposal service is free of charge up to 250 pounds per participant. Over 250 pounds there will be a \$3.00 per pound charge. This is a great opportunity for you to legally dispose of unwanted products at little or no cost.

WHO: All public and private schools, golf courses, nurseries, farmers, ag dealers, public, cities, towns, municipalities and county units of government or others receiving this notice are eligible to participate.

WHEN: 9:00 am to 2:00 pm Local Time

WHERE:

August 13, 2024: Keystone Cooperative – Porter County
 210 East 400 South Valparaiso, Indiana 46383
 August 14, 2024: NISWMD – Steuben County
 2320 West 800 South Ashley, Indiana 46705
 August 15, 2024: Becks Foundation Seed Facility – Tipton County
 6159 West 550 North Sharpsville, Indiana 46068
 August 20, 2024: Premier Ag – Daviess County
 11815 US-50 Loogootee, Indiana 47553
 August 21, 2024: Kova Fertilizer – Decatur County
 1330 N. Anderson St. Greensburg, Indiana 47240
 August 22, 2024: Hendricks County Fairgrounds
 1900 E. Main St. Danville, Indiana 46122

HOW: Complete the enclosed Clean Sweep Pesticide Disposal Participant Form to the best of your ability. Mail, fax or e-mail the completed form to Nathan Davis at 765-494-4331 or cleansweep@groups.purdue.edu no later than Fri., August 9, 2024. Questions may be directed to Nathan at 765-494-7108. Then bring your leak free and safe to transport containers to the collection site. DO NOT mix materials.

*****Empty pesticide containers will not be accepted, please follow label directions for proper disposal of empty pesticide containers*****

*****Bulk containers not documented on form will not be accepted*****

April Ends Warm And Wet

(Austin Pearson)

It's gonna be... I mean... it's already May! How can this be? Early spring flowers have already cycled through, I'm on record pace for mowing my yard, and field activity has been delayed due to a wet April. April began a bit cool with several mornings having frost advisories and freeze warnings, which was not too out of normal. This cold snap came after a warmer winter and early bud break for many perennial crop producers. We've heard reports from north of I-70 that there may not be a peach crop this year. If you experienced frost or freeze damage to your perennial crops, we'd like to hear from you. Kindly drop us an email (in-sco@purdue.edu) so we can document these losses.

After this cooler start, temperatures rebounded. The Indianapolis International Airport recorded the first 80F temperature for 2024 on April 14. The maximum daily temperature surpassed 80F four times this month, which was more than double the 1931-2024 average (1.8 days). April 1977 had the most days (9) with daily maximum temperatures at or above 80F. Despite the cooler start, the preliminary average temperature for April 2024 was 55.1F, which was 3.7F above normal. Average temperature departures ranged from 2.0F above normal in central Indiana to 4.0F above normal in other areas (Figure 1). As a result of the warmer temperatures, [Growing Degree Days](#) ran above normal throughout much of the state (Figure 2).

April was wet. Precipitation totals ranged from 5 to nearly 10 inches across Indiana or 100 to 300 percent of normal (Figure 3). The Indianapolis International Airport had at least a trace of precipitation recorded 19 days throughout the month. This allowed for limited opportunities to get much done outside. Vincennes 4E, located in Knox County, measured 9.6 inches in April, which was 4.71 inches above normal. As a result of the continued wet conditions, the May 2 release

of the [US Drought Monitor](#) was free of drought for the second week in a row!

The national [Climate Prediction Center](#) temperature outlooks favor above-normal temperatures throughout May. Along with this are elevated chances for above-normal precipitation. Not the most conducive to field activity, especially as soils are still trying to dry out. Forecasted precipitation totals exceed an inch statewide, with southern Indiana possibly seeing up to two inches by May 9.

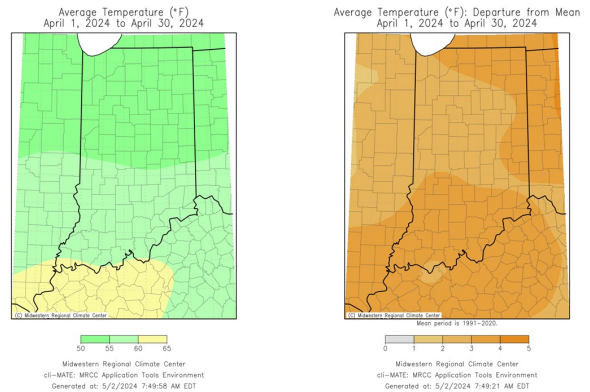


Figure 1: Left – Indiana average temperatures for April 2024. Right – Indiana average temperatures represented as the departure from the 1991-2020 climatological average.

Growing Degree Day (50 F / 86 F) Accumulation **Growing Degree Day (50 F / 86 F) Departure From Average**

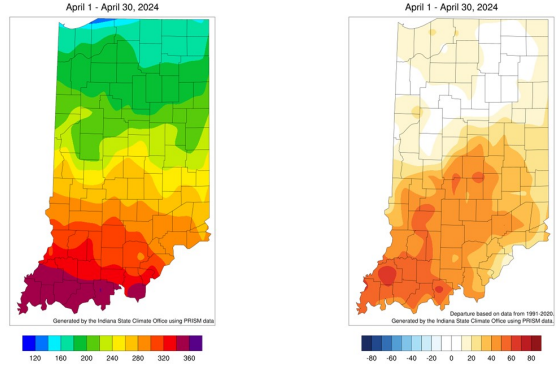


Figure 2: Left – Indiana Growing Degree Day accumulations for April 2024. Right – Indiana's April 2024 Growing Degree Days represented as the departure from the 1991-2020 climatological average.

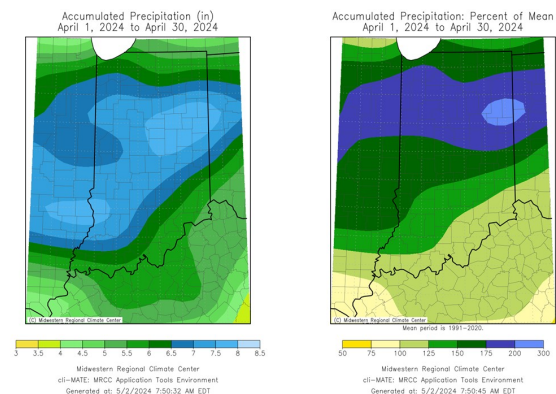


Figure 3: Left – Indiana precipitation totals for April 2024. Right – Indiana's April 2024 precipitation totals represented as the percent of the 1991-2020 climatological average.

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