

# Pest & Crop Newsletter

Purdue Cooperative Extension Service  
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## In This Issue

- [Armyworm Pheromone Trap Report - 2024](#)
- [Wet Conditions Continue](#)

## 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								
Jennings/SEPAC Ag Center	1	8	58								
Knox/SWPAC Ag Center	0	0	41								
LaPorte/Pinney Ag Center	0	44	51								
Lawrence/Feldun Ag Center	4	125	248								
Randolph/DPAC Ag Center	0	0	25								
Tippecanoe/ACRE	0	4	37								
Whitley/NEPAC Ag Center	0	0	62								

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

## Wet Conditions Continue

(Beth Hall)

There was an interesting conversation among drought experts this week about how best to communicate drought, particularly when surface conditions appear so saturated. I thought of Indiana a lot during this discussion because with all the rain the state has received over the last several weeks (over twice the normal amount!), there is localized flooding, and streams seem to be in good shape. However, groundwater levels are still below normal across much of the state, (particularly western Indiana, but also locations in northeast, central, and southern Indiana) that what we see on the surface may not be making its way down into our aquifers. This could become critical for water supply not only for domestic use but possibly irrigation later in the growing season. In fact, according to the National Oceanic and Atmospheric Administration (NOAA), southwestern Indiana is still trying to make up an approximate 3-inch precipitation deficit and southern Indiana is facing a 3-to-6-inch deficit. Fortunately, April has been wet, so those deficits will hopefully be eliminated within the next few weeks. However, when ones sees the most current U.S. Drought Monitor (USDM) map for Indiana and wonders how there could still be areas

designated as Abnormally Dry (D0), remember that all types of drought (e.g., hydrological, socioeconomic, meteorological) are being considered and not just agricultural drought. The latest USDM continues to show a small band of Abnormally Dry (D0) conditions in southwestern Indiana along the Ohio River. (Figure 1)

### U.S. Drought Monitor Indiana



April 16, 2024  
(Released Thursday, Apr. 18, 2024)  
Valid 8 a.m. EDT

	Drought Conditions (Percent Area)					
	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	93.59	6.41	0.00	0.00	0.00	0.00
Last Week 04-09-2024	93.58	6.42	0.00	0.00	0.00	0.00
3 Months Ago 01-16-2024	18.62	81.38	21.19	0.00	0.00	0.00
Start of Calendar Year 01-01-2024	10.70	89.30	81.12	12.88	0.00	0.00
Start of Water Year 09-26-2023	1.38	98.62	85.30	0.00	0.00	0.00
One Year Ago 04-18-2023	100.00	0.00	0.00	0.00	0.00	0.00

Intensity:  
None  
D0 Abnormally Dry  
D1 Moderate Drought  
D2 Severe Drought  
D3 Extreme Drought  
D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/about.aspx>

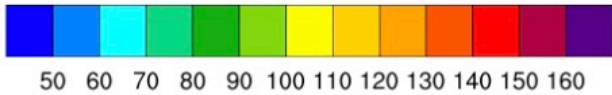
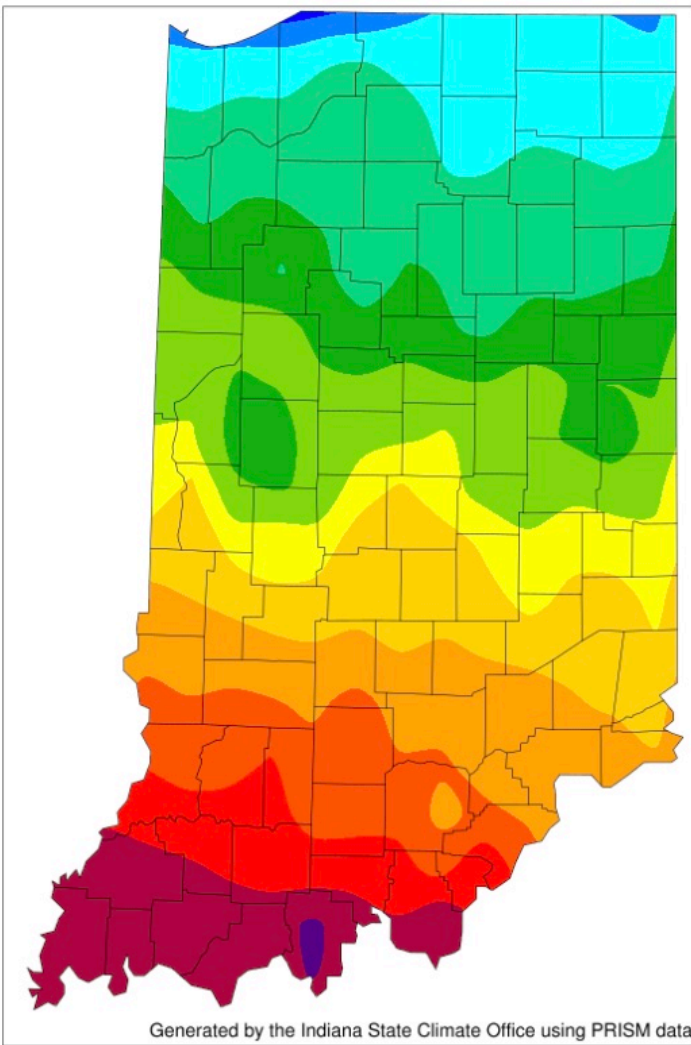
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National Drought Mitigation Center



Modified accumulated growing degree days since April 1<sup>st</sup> continue to increase rapidly due to the warmer temperatures. Ranges now extend from over 80 units in northern counties to over 140 units in southern counties. (Figure 2) This is only about 5 to 20 units ahead of normal for this time of year.

Figure 2. Modified growing degree day (50°F / 86°F) accumulation from April 1-17, 2024.

Aside from another rain event passing through our area at the end of this week, conditions appear to clear up for most of this next week. NOAA climate outlooks for April 23-27 (6-10-day outlook) is favoring near-normal temperatures with a slight chance of above-normal precipitation. However, the 8-14-day outlook (Apr 25-May 1) is strongly favoring above-normal temperatures and precipitation. The climate outlook for May (released April 18<sup>th</sup>) is favoring above-normal temperatures for Indiana. For northern Indiana, the outlooks are indicating an equal chance of having either above- or below-normal precipitation with southern Indiana slightly favoring a wetter-than-normal May. Similar outlooks have been released for the 3-month period of May-June-July regarding temperature and precipitation.



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