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Pest & Crop Newsletter

Purdue Cooperative Extension Service

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INSECTS, MITES, & NEMATODES

Army Pheromone Trap Report – (John Obermeyer) –

County/Cooperator:

Dubois/SIPAC Ag Center

Wk 1

0

Wk 2	0
Wk 3	348
Wk 4	258
Wk 5	11
Wk 6	6
Wk 7	22
Wk 8	44
Wk 9	35
Wk 10	5
Wk 11	9
Wk 12	
Wk 13	

County/Cooperator:

Jennings/SEPAC Ag Center

Wk 1	0
Wk 2	0
Wk 3	15
Wk 4	18
Wk 5	9
Wk 6	1
Wk 7	9
Wk 8	0
Wk 9	1
Wk 10	2
Wk 11	4
Wk 12	
Wk 13	

County/Cooperator:

Knox/SWPAC Ag Center

Wk 1	0
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Wk 2	6
Wk 3	197
Wk 4	63
Wk 5	17
Wk 6	39
Wk 7	22
Wk 8	22
Wk 9	19
Wk 10	30
Wk 11	31
Wk 12	
Wk 13	

County/Cooperator: LaPorte/Pinney Ag Center

Wk 1	0
Wk 2	25
Wk 3	317
Wk 4	296
Wk 5	63
Wk 6	149
Wk 7	121
Wk 8	29
Wk 9	10
Wk 10	42
Wk 11	46
Wk 12	
Wk 13	

County/Cooperator: Lawrence/Feldun Ag Center

Wk 1	4
------	---

Wk 2	97
Wk 3	155
Wk 4	76
Wk 5	42
Wk 6	21
Wk 7	14
Wk 8	14
Wk 9	15
Wk 10	40
Wk 11	74
Wk 12	
Wk 13	

County/Cooperator: Randolph/Davis Ag Center

Wk 1	0
Wk 2	0
Wk 3	0
Wk 4	24
Wk 5	122
Wk 6	162
Wk 7	101
Wk 8	14
Wk 9	11
Wk 10	29
Wk 11	16
Wk 12	
Wk 13	

County/Cooperator: Tippecanoe/Meigs

Wk 1	0
------	---

Wk 2	4
Wk 3	141
Wk 4	101
Wk 5	45
Wk 6	50
Wk 7	55
Wk 8	114
Wk 9	32
Wk 10	16
Wk 11	58
Wk 12	
Wk 13	

County/Cooperator: Whitley/NEPAC Ag Center

Wk 1	7
Wk 2	21
Wk 3	619
Wk 4	1,091
Wk 5	376
Wk 6	682
Wk 7	612
Wk 8	173
Wk 9	78
Wk 10	56
Wk 11	82
Wk 12	
Wk 13	

Wk 1 = 3/31/16 - 4/6/16; Wk 2 = 4/7/16 - 4/13/16; Wk 3 = 4/14/16 - 4/20/16; Wk 4 = 4/21/16 - 4/27/16; Wk 5 = 4/28/16 - 5/4/16; Wk 6 = 5/5/16 - 5/11/16; Wk 7 = 5/12/16 - 5/18/16; Wk 8 = 5/19/2016 - 5/25/2016; Wk 9 = 5/26/2016 - 6/1/2016; Wk 10 = 6/2/16 - 6/8/16; Wk 11 =

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AGRONOMY TIPS

Irrigation Scheduling Tools – (Lyndon Kelley, Extension Irrigation Educator, MSU Exten/Purdue Exten. and Steve Miller, Irrigation Specialist Biosystem and Agricultural Engr.) –

Irrigation scheduling by accounting for changes in available soil moisture provides information on the timing and amount of water to apply to meet crop needs. “Checkbook” irrigation scheduling confirmed with soil moisture monitoring can improve irrigation scheduling decisions. Checkbook scheduling is discussed below.

Checkbook method of irrigation scheduling follows the concept that the soil in your field is like a bank checking account. Rainfall and irrigation applications are deposits into the checking account. Rainfall and irrigation may need to be reduced to reflect the effective amount added to soil moisture. Daily water removal from evaporation and transpiration (evapotranspiration or ET) from the field and crop would be considered withdrawals from the account. Soil has a maximum amount of water that can be held (called Field Capacity), so water added beyond the soils water holding capacity is lost to the account. Irrigation applied at a rate exceeding the infiltration capacity will

cause surface runoff and be lost to the soil water balance account.

Four different checkbook irrigation scheduling tools are available through Purdue or MSU Extension as described in the following paragraphs:

Enviro-weather computes daily estimate of potential ET and projects ET demands for 7 days at each of the 58 strategically located weather stations in Michigan calculating crop ET using wind, relative humidity, and net solar radiation in addition to temperature to estimate crop ET demands.

Estimates are available from: www.enviroweather.msu.edu. Pick the station nearest to you, then click on one of the categories listed near the top of the screen (e.g. Field crops, Fruit, etc.), and then click on “Potential Evapotranspiration.” For corn and soybeans, clicking the “Crop ET Estimate” button, then entering the crop emergence date will allow tracking the crop’s ET as the crop develops. A free service of Enviro-weather Network sends daily reports of ET from the previous four days and projected values for the next week by text or email to producers that sign up at:

<http://www.enviroweather.msu.edu/homeMap.php>.

The MSU Soil Water Balance Sheet is a paper version of a checkbook scheduler where producers can use Reference Evapotranspiration (ET) Data from their own ET gauge station or Reference ET data from the Purdue Agricultural Center weather stations (<http://www.iclimate.org/>). For Michigan, producers can use the Enviro-weather data listed above. The Soil Water Balance Sheet helps producers convert the Reference ET into an estimate of water removal for either corn or soybeans in their field. The Soil Water Balance Sheet is available at

<http://msue.anr.msu.edu/program/info/irrigation>; scroll down to “Irrigation Resources Developed by Lyndon Kelley” and click on “Soil Water Balance Sheet”.

MSU Excel Version of Scheduler allows greater flexibility and adaptability to irrigators who are comfortable using Excel. This method will provide results for all of Michigan and the upper tier of counties in Indiana. Reference crop ET can be taken from each of the Enviro-weather stations where the program will use the crop-specific coefficient to adjust for your crop stage of growth.

The MSU Excel version of Scheduler is available from:

<http://www.agweather.geo.msu.edu/mawn/irrigation/>.

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Bits & Pieces

Purdue Extension's Indiana Transportation Guide Makes Compliance Easier for Farmers – (Jessica Merzdorf) –

A new publication from [Purdue Extension](#) will help clarify the rules of the road for farmers.

A Farmers Guide to Indiana Transportation Regulations is designed to help farmers determine what category they fit in under state and federal transportation laws.

Topics include vehicle weight and dimension limits, securing loads, fuel, license plates and permits, as well as reasons why compliance is important.

The publication was written by [Fred Whitford](#), coordinator of the [Purdue Pesticide Programs](#), with input from farmers, consultants, police and legal advisers.

I've been getting so many questions from farmers about transportation regulations that I knew it was time to develop this publication," Whitford said. "Many of the state's farmers rely on Purdue Extension for the latest information on these complex and confusing rules. The good news is that we have a team of experts to make sure we are providing the best, most up-to-date answers to the questions."

Four categories

Under the state's transportation regulations, a "farmer" is defined as someone who transports only his or her own products, supplies and equipment to and from designated locations, such as a marketplace or properties that he or she owns. Farmers are classified into four categories depending on how far they typically travel when transporting their goods and whether they cross state lines. Each category has its own set of regulations.

Compliance with these regulations is important from a liability standpoint as well as a safety standpoint, Whitford said, as penalties for noncompliance can be severe.

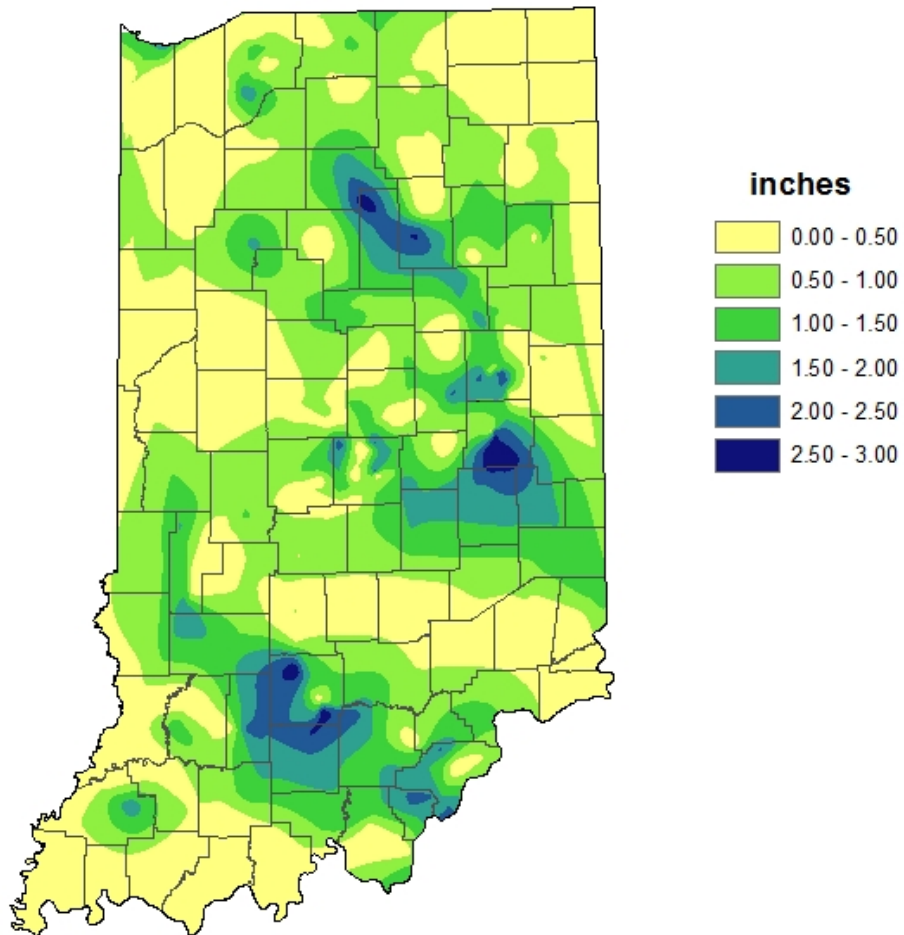
The publication is available electronically and in print from Purdue's The Education Store at https://www.edustore.purdue.edu/item.asp?Item_Number=PPP-111.

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WEATHER UPDATE

Precipitation

**Total Precipitation
Jun 9 - 15 2016
CoCoRaHS network
(295 stations)**

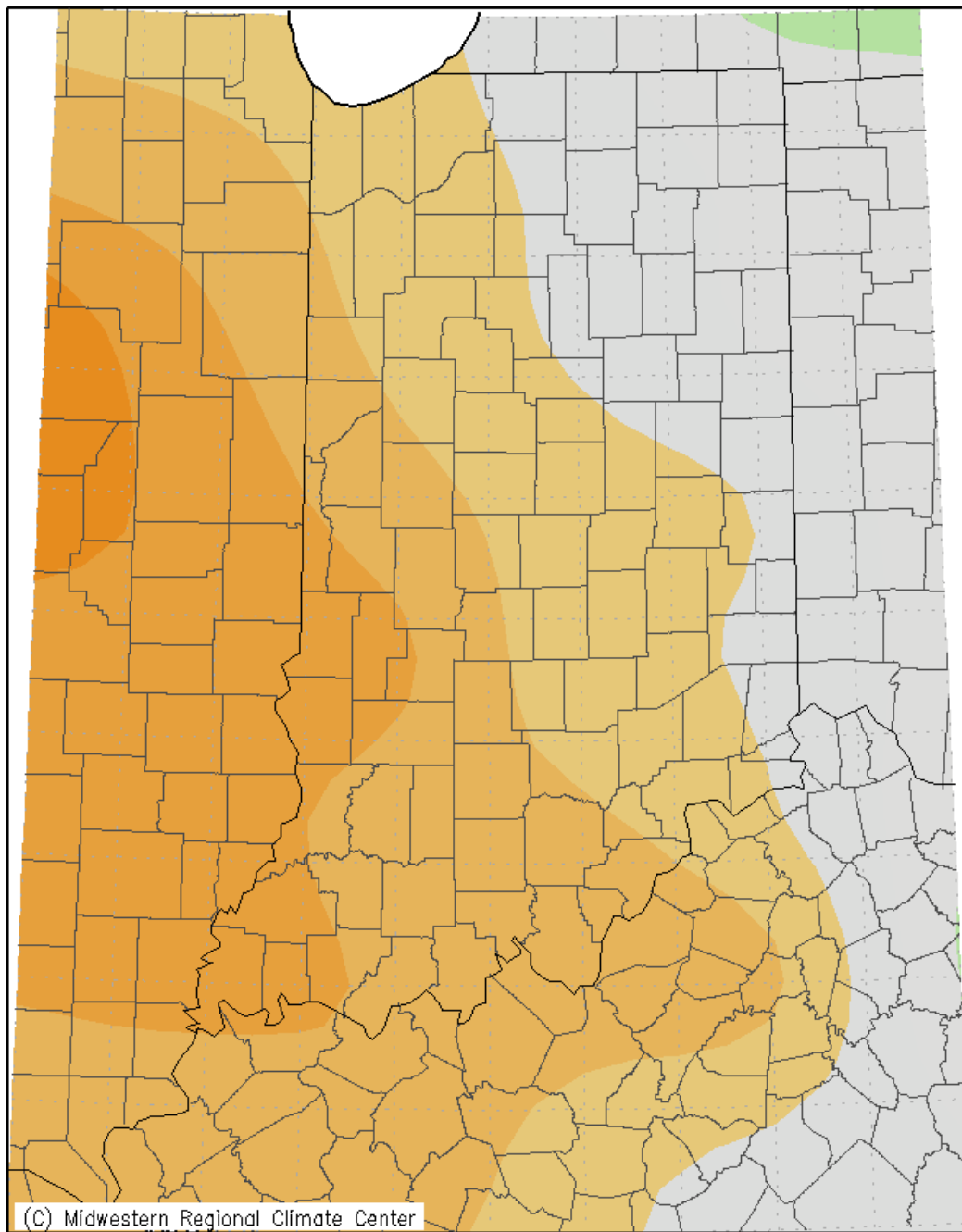


Analysis by Indiana State Climate Office
Web: <http://www.iclimete.org>

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Temperature

Average Temperature (°F): Departure from Mean June 8, 2016 to June 14, 2016



Mean period is 1981–2010.



Indiana State Climate Office www.iclimat.org
Purdue University, West Lafayette, Indiana
email: iclimat@purdue.edu

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