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Pest & Crop Newsletter

Purdue Cooperative Extension Service

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This Week, Even More Armyworm Moths – (*Christian Krupke*) -

This spring continues to shape up as a year with heavy armyworm pressure. With relatively little corn planted so far this isn't time to panic – but we typically don't see levels this high at this time of year, so if you have never scouted for armyworms before, this would be a good year to start! You'll probably find some.

The northeastern part of the state, where we happen to also grow wheat (armyworms love wheat) in some areas, is particularly thick with migrant moths. The female moths that arrive will be loaded with eggs and looking for suitable hosts to lay them on – many plants will do the job, with grasses strongly preferred. If you have wheat acreage, or your soon-to-be-corn acres have a grass cover crop, particularly cereal rye, those fields **will** be an armyworm magnet. Depending on when that cover crop is killed and corn is planted, the crop could be at risk.

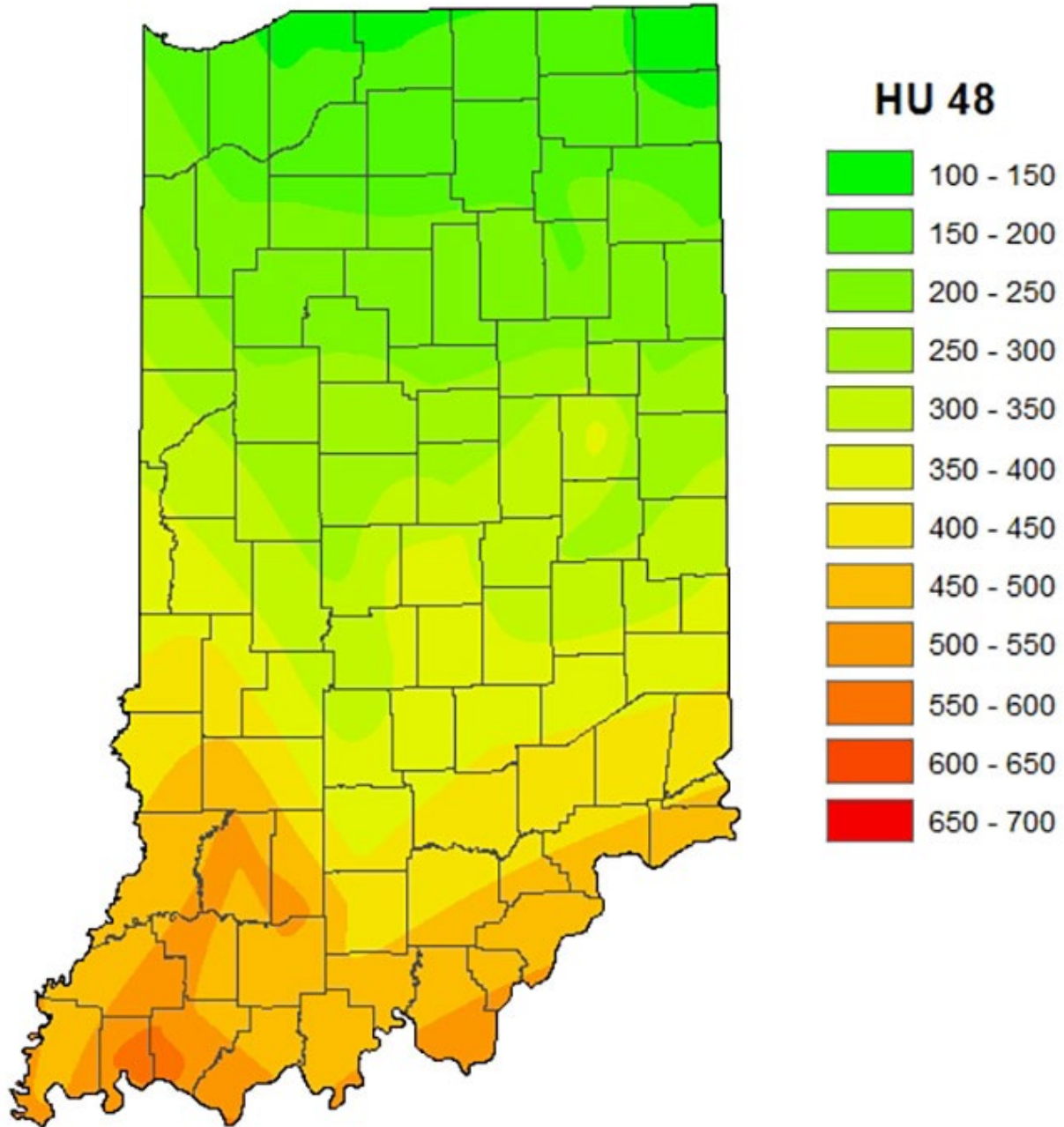
The level of risk depends on two main factors: **1)** the level of armyworm pressure in the area (see Table below - this will be high in much of the state this year), and **2)** the degree of overlap between the grass host and emerging corn. That might also be high this year. As stated last week, a period without green, growing material will readily starve most armyworms. When that's not possible, it's time to reach for the insecticides to hit the larvae before they can feed on emerging corn. There are many insecticide options [Corn Insect Control Recommendations - E-219](#), but all will work best when larvae are small (less than 1¼" in length).

Scouting fields beginning late next week is advised... before then, the larvae will be too small to see easily. *By early May, larvae should be quite conspicuous and scouting will be relatively easy.* A sweep net can be used, or even just visually inspecting plants for damage and/or feeding larvae will work. Disturbing and poking through the top layer of soil will reveal the larvae during sunny days, when they often rest here. Although there is not a threshold for armyworm in cover crops, 4 larvae/sq. ft is the guideline in wheat. Remember, Bt corn and seed treatments won't save you from this one. So venture out late next week and check those high-risk fields.

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Alfalfa Weevil Development Map

Heat Units Base 48 Since 1 January 2017



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

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Armyworm Pheromone Trap Report

County/Cooperator	Wk 1	Wk 2	Wk 3	Wk 4	Wk 5	Wk 6	Wk 7	Wk 8	Wk 9	Wk 10	Wk 11	Wk 12
Dubois/SIPAC Ag Center	0	0	0	101	193							
Jennings/SEPAC Ag Center	0	1	1	56	57							
Knox/SWPAC Ag Center	0	13	26	42	189							
LaPorte/Pinney Ag Center	0	0	3	352	936							
Lawrence/Feldun Ag Center	4	108	216	246	650							
Randolph/Davis Ag Center	0	29	41	528	1232							
Tippecanoe/Meigs	0	2	15	107	730							
Whitley/NEPAC Ag Center	0	34	90	537	1689							

Wk 1 = 3/16/17 - 3/22/17; Wk 2 = 3/23/17 - 3/29/17; Wk 3 = 3/30/17 - 4/5/17; Wk 4 = 4/7/18 - 4/12/17; Wk 5 = 4/13/17 - 4/19/17

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Black Cutworm Adult Pheromone Trap Report

County	Cooperator	BCW Trapped			
		Week 1 3/23/17- 3/29/17	Week 2 3/30/17- 4/5/17	Week 3 4/5/17- 4/12/17	Week 5 - 4/13/17 - 4/19/17
Adams	Kaminsky/New Era Ag			13	35
Adams	Roe/Mercer Landmark	11	17*	7	42
Allen	Anderson/Syngenta Seed		0		
Allen	Gynn/Southwind Farms	2	1	0	15
Allen	Kneubuhler/G&K Concepts - Trap 1		0	19*	36
Allen	Kneubuhler/G&K Concepts - Trap 2		9	2	
Bartholomew	Bush/Pioneer Hybrids	1	13*	13	17

Clay	Bower/Ceres Solutions - Clay City	0	0	7	4
Clay	Bower/Ceres Solutions - Bowling Green	0	0	0	
Clay	Bower/Ceres Solutions - Brazil	0	0	0	
Clinton	Emanuel/Boone Co. CES	8	9	6	10
DeKalb	Hoffman/ATA Solutions	0	0	0	1
Dubois	Eck/Purdue CES	14	28*	41*	4
Elkhart	Kauffman/Crop Tech Inc.	0	0	6	16
Fayette	Schelle/Falmouth Farm Supply Inc.	5	33*	5	
Fountain	Mroczkiewicz/Syngenta	7	18*	31*	93*
Fulton	Jenkins/N. Central Coop - Talma	0	5	10	13
Fulton	Ranstead/NCC Coop - Rochester	0	0	0	3
Gibson	Schmitz/Gibson Co. CES				0
Hamilton	Campbell/Beck's Hybrids	14	13	18	55*
Hamilton	Truster/Reynolds Farm Equipment		1		1
Hendricks	Nicholson/Nicholson Consulting	0	3	4	11
Jasper	Overstreet/Jasper Purdue CES	2	5	0	5
Jasper	Ritter/Brodbeck Seeds	1	3	10	32
Jay	Boyer/Davis PAC		3	14	19
Jay	Shrack/Ran-Del Agri Services	1	3	5	9
Jay	Temple/Jay County CES				
Jennings	Bauerle/SEPAC	0	0	0	0
Knox	Bower/Ceres Solutions - Freelandville	0	0	0	13*
Knox	Bower/Ceres Solutions - Vincennes	0	0	0	
Kosciusko	Klotz/Etna Green	0	0	4	9
Lake	Kleine/Kleine Farms	4	16*	60*	83*
Lake	Moyer/DeKalb Hybrids - Shelby	5	5	20*	27

Lake	Moyer/Dekalb Hybrids - Schneider	2	5	5	12
LaPorte	Rocke/Agri-Mgmt Solutions			4	41
Madison	Truster/Reynolds Farm Equipment		0		
Marshall	Harrell/Harrell Ag Services		0		
Marshall	Klotz/SR 10 & SR 331	0	0	0	8
Marshall	Miller/North Central Coop	0	0	0	2
Miami	Early/Pioneer Hybrids	0	0	0	
Newton	Moyer/Dekalb Hybrids - Lake Village	2	6	2	8
Porter	Leuck/PPAC	5	3	18	25
Pulaski	Capouch/M&R Ag Services	0	0	1	10
Pulaski	Leman/North Central Coop		0	10	21
Putnam	Nicholson/Nicholson Consulting		2	6	2
Randolph	Boyer/DPAC		1	0	1
Rush	Schelle/Falmouth Farm Supply Inc.		6	10	1
Shelby	Fisher/Shelby County Co-op	2	3	5	5
Shelby	Simpson/Simpson Farms	7	49*	41*	67*
Starke	Capouch/M&R Ag Services	0	0	6	28
Starke	Wickert/Wickert Consulting - California Twnshp	1	1	3	4
Starke	Wickert/Wickert Consulting - Railroad Twnshp	0	0	0	0
St. Joseph	Barry/Helena			1	3
Sullivan	Bower/Ceres Solutions - Farmersburg	0	1	2	14
Sullivan	Bower/Ceres Solutions - Sullivan	6	21*	14*	16*
Tippecanoe	Bower/Ceres Solutions	0	0	0	7
Tippecanoe	Kremer/Monsanto Research Farm	0	0	13	11
Tippecanoe	Nagel/Ceres Solutions	30	47*	44*	89
Tippecanoe	Obermeyer/Purdue	2	5	11	5

Entomology					
Tipton	Campbell/Beck's Hybrids	10	17	11	73*
Vermillion	Bower/Ceres Solutions		0	0	
Wabash	Enyeart/North Central Coop				0
Whitley	Walker, Richards/NEPAC1 - Main	10	28*	37*	81*
Whitley	Walker, Richards/NEPAC2 - Kyler	3	8	17*	36*

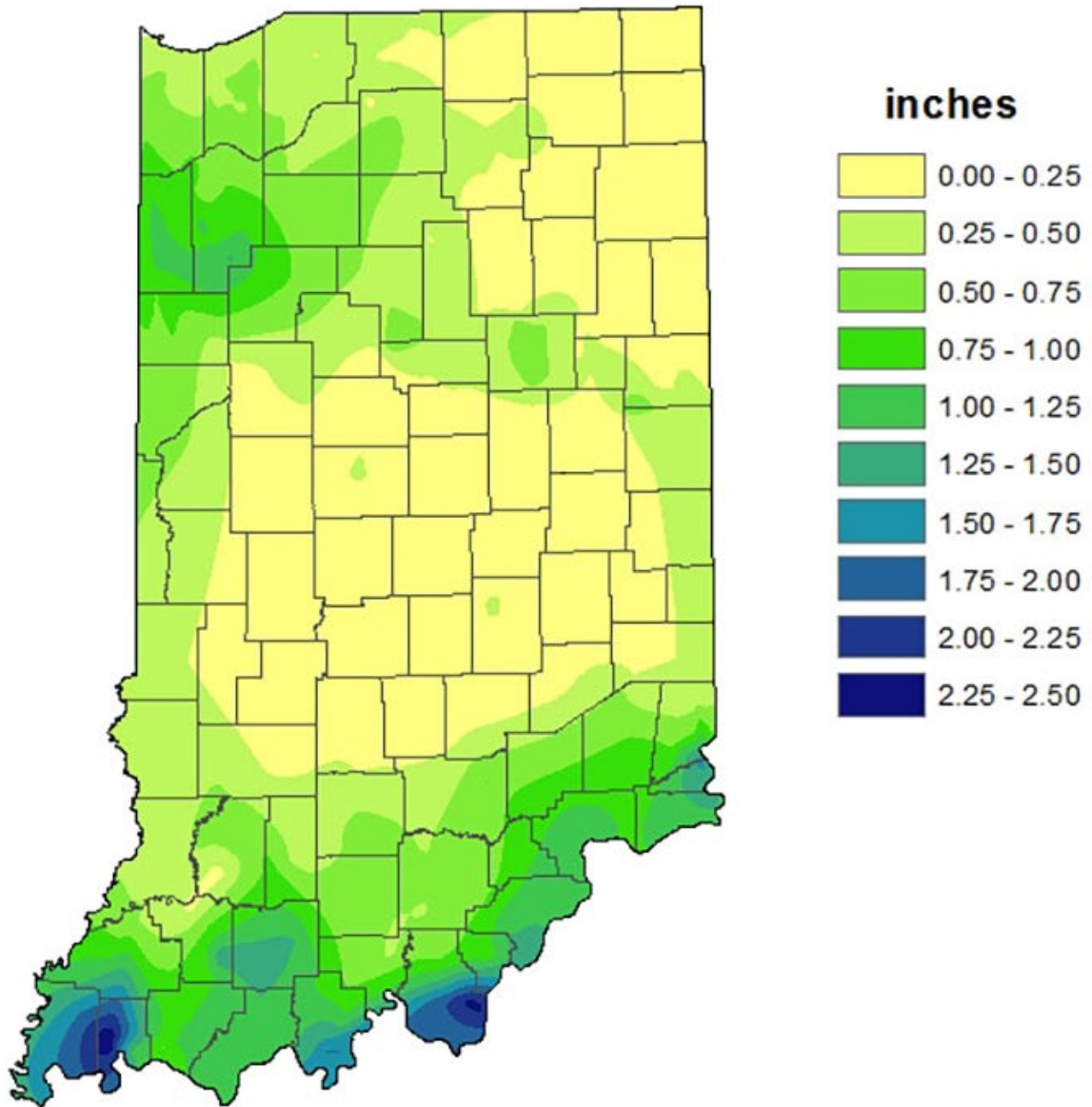
* = Intensive Capture...this occurs when 9 or more moths are caught over a 2-night period

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WEATHER UPDATE

Precipitation

Total Precipitation Apr 13 - 19, 2017 CoCoRaHS network (324 stations)

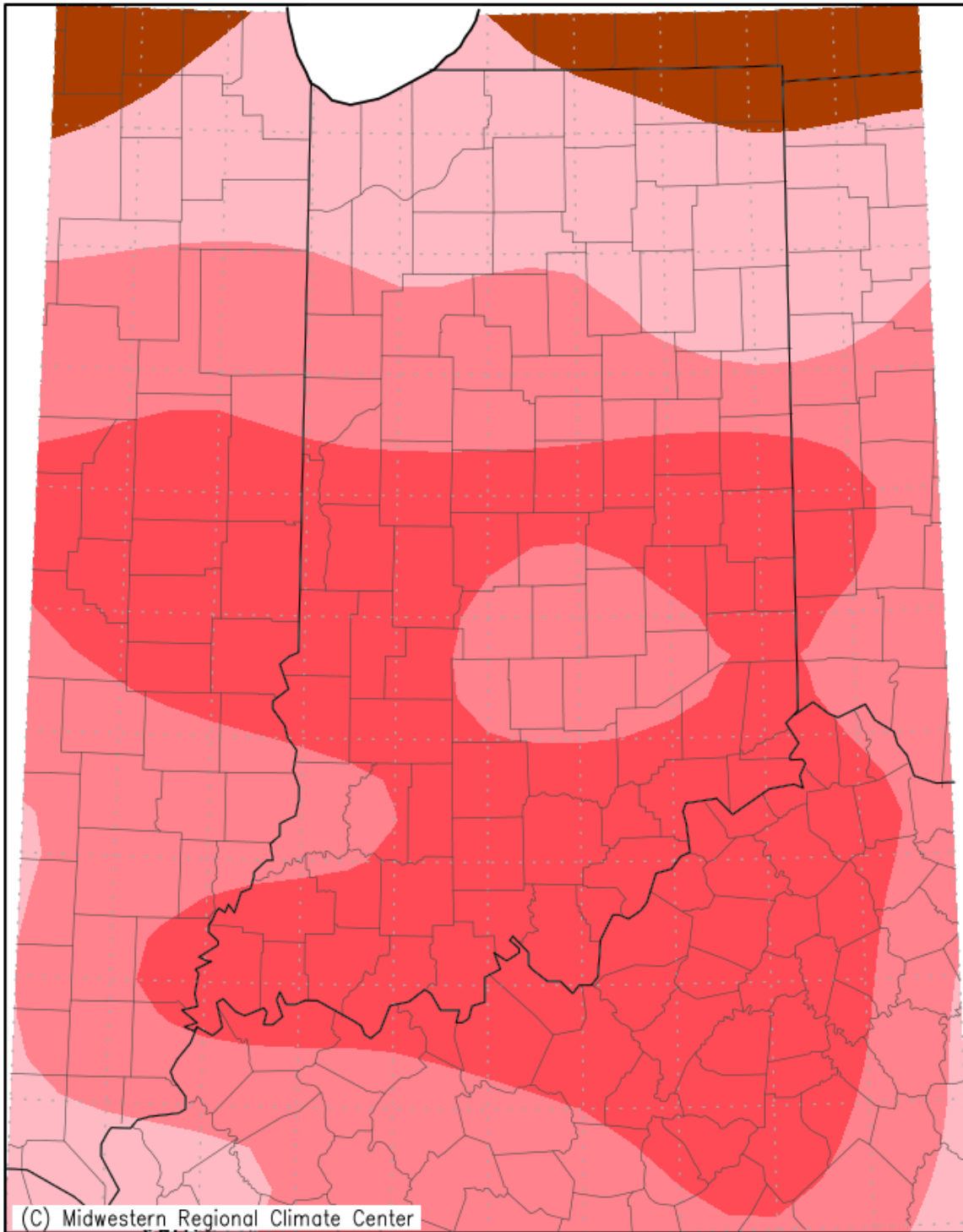


Analysis by Indiana State Climate Office
Web: <http://www.iclimate.org>

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Temperature

Average Temperature (°F): Departure from Mean
April 13, 2017 to April 19, 2017



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THANKS FOR READING

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