

# Pest&Crop newsletter

**Purdue Cooperative Extension Service and USDA-NIFA Extension IPM Grant**

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## In This Issue

- [Know Your Worms in the Ear](#)
- [2018 Western Bean Cutworm Pheromone Trap Report](#)

- [Welcome Our New Field Crops Pathologist, Dr. Darcy Telenko](#)
- [Total Precipitation July 26-Aug. 1, 2018](#)
- [Average Temperature Departure from Mean July 25-July 31, 2018](#)

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Editor: Tammy Luck | Department of Entomology, Purdue University, 901 W. State St., West Lafayette, IN 47907

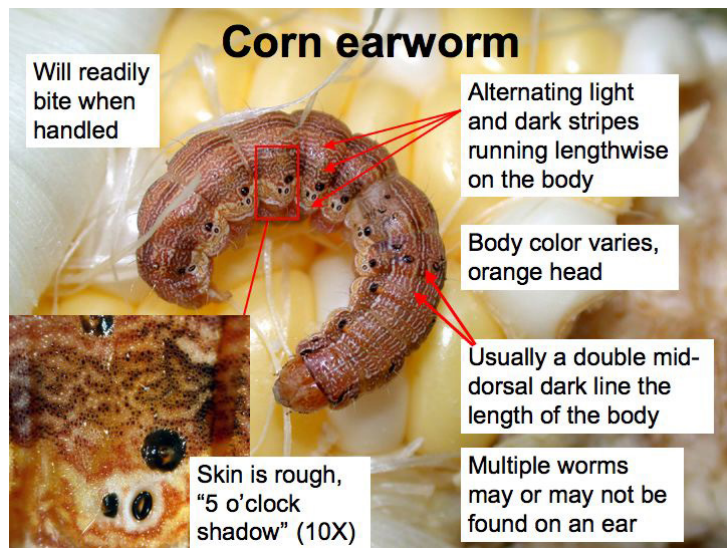
# Know Your Worms in the Ear

**Author: John Obermeyer**

Several caterpillars in the ear can be very similar in appearance and habits, so identification to species of some of the worms in ears can be tricky. Note that, in general, you cannot use overall body color or damage for identification. Some identification tips, though not foolproof, appear below for the corn earworm, western bean cutworm, fall armyworm and European corn borer. We suggest you inspect cornfields soon before the larvae leave the ear and pupate.

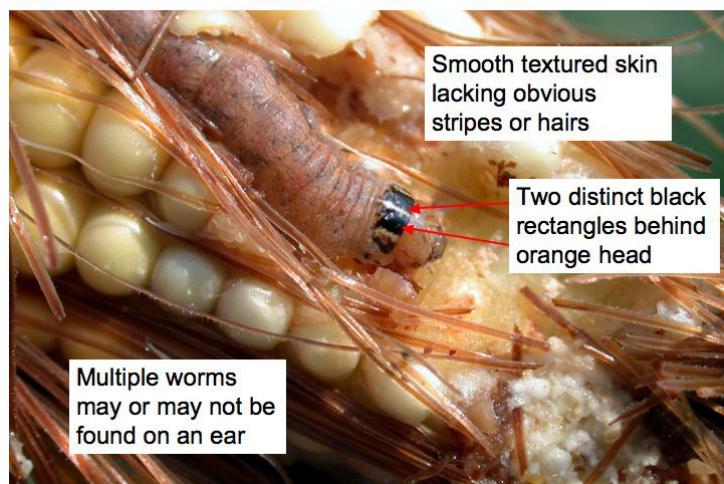


Don't use coloration or size alone for ID. Can you tell which is fall armyworm, corn earworm, or western bean cutworm in this picture?

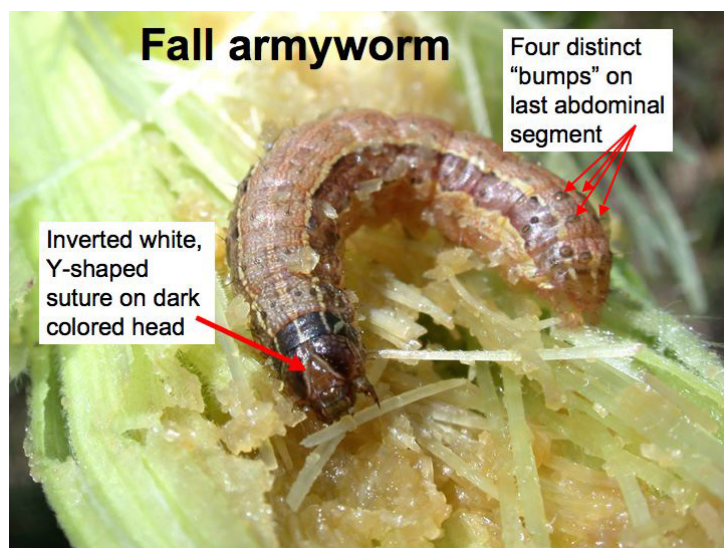


Corn earworm.

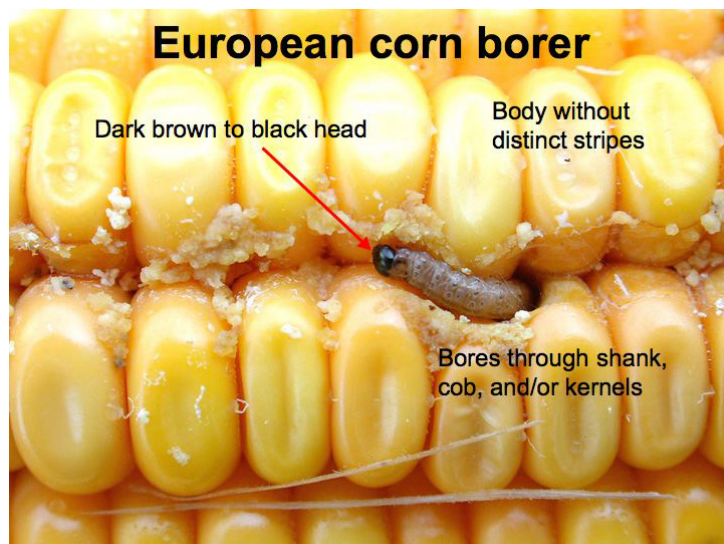
## Western bean cutworm



Western bean cutworm.



Fall armyworm.



European corn borer.

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# 2018 Western Bean Cutworm Pheromone Trap Report

County	Cooperator	WBC Trapped						
		Wk 1 6/21/18-6/27/18	Wk 2 6/28/18-7/4/18	Wk 3 7/5/18-7/11/18	Wk 4 7/12/18-7/18/18	Wk 5 7/19/18-7/25/18	Wk 6 7/26/18-7/31/18	Wk 7
Adams	Roe/Mercer Landmark	0	0	0	4	0	0	
Allen	Anderson/Syngenta		0	9	12	6	0	
Allen	Gynn/Southwind Farms	0	0	5	8	9	2	
Allen	Kneubuhler/G&K Concepts	0	0	9	4	0	0	
Bartholomew	Bush/Pioneer Hybrids	0	1	0	0	0	0	
Clay	Bower/Ceres Solutions/Clay City	0	1	0	0			
Clay	Bower/Ceres Solutions/Bowling Green	0	0	0	0			
Clay	Bower/Ceres Solutions/Brazil	0	0	0	1			
Clinton	Emanuel/Boone Co. CES	3	0	0	1	1		
Clinton	Foster/Rossville		10	0	1	0	0	
Daviess	Venard/Venard Agri-Consulting/Washington	0	0	0	0	0	0	
Daviess	Venard/Venard Agri-Consulting/Elnora	0	0	0	0	0	0	
DeKalb	Hoffman/ATA Solutions	0	1	11	27	23	6	
Dubois	Eck/Dubois Co. CES	0	0	0	2	2		
Elkhart	Kauffman/Crop Tech Inc.	6	3	58	39	5		
Fayette	Schelle/Falmouth Farm Supply Inc.	0	1	0	0	0		
Fountain	Mroczkiewicz/Syngenta	12	196	18	1	1	2	
Fulton	Jenkins/Ceres Solutions/Talma	3	0	26	12	3	4	
Fulton	Randstead/Ceres Solutions	0	34	61	16	4		
Greene	Venard/Venard Agri-Consulting	0	0	0	0	0	0	
Hamilton	Campbell/Beck's Hybrids	0	0	2	3	5	5	
Hendricks	Nicholson/Nicholson Consulting	0	7	2	0	0	1	
Jasper	Overstreet/Jasper Co. CES	0	0	4	9	50	34	
Jasper	Ritter/Brodbeck Seeds	10	69	72	17	6	4	
Jay	Boyer/Davis PAC	1	0	0	0	1		
Jay	Shrack/Ran-Del Agri Services	0	1	0	0	0	0	
Jay	Temple/Jay Co. CES/Redkey	0	0	0	0			
Jay	Temple/Jay Co. CES/Pennville	0	0	0	0	2		
Jennings	Bauerle/SEPAC	0	0	0	0	0	0	
Knox	Bower/Ceres Solutions/Freelandville	0	0	0	0			
Knox	Bower/Ceres Solutions/Vincennes	0	0	0	0			
Kosciusko	Klotz/Etna Green	5	1	44	10		6	
Lake	Kleine	2	1	0	7	10	4	
Lake	Moyer/Dekalb Hybrids/Shelby	0	4	52	20	11	2	
Lake	Moyer/Dekalb Hybrids/Scheider	5	23	207	112	58	10	
LaPorte	Rocke/Agri-Mgmt. Solutions/Wanatah	1	3	22	8	8	7	
LaPorte	Smith/Co-Alliance, LLP/South Center	0	7	96	59	17	11	
LaPorte	Smith/Co-Alliance, LLP/Lacrosse	4	8	106	88	22	5	
LaPorte	Smith/Co-Alliance, LLP/Union Mills	8	17	204	335	45	9	
Marshall	Harrell/Harrell Ag Services/Plymouth	0	12	36	18			
Marshall	Harrell/Harrell Ag Services/Bremen	0	4	24	12			
Marshall	Klotz/Nappanee	6	11	278	77		8	
Marshall	Miller/Ceres Solutions/Plymouth	2	85	80	64			
Marshall	Smith/Co-Alliance, LLP/Argos	7	32	273	113	28	5	
Miami	Early/Pioneer Hybrids	4	26	116	39	5	0	
Montgomery	Delp/Nicholson Consulting	0	0	3	3	5	0	
Newton	Moyer/Dekalb Hybrids/Lake Village	1	5	75	20	17	0	
Porter	Tragesser/PPAC	2	11	61	41	11	4	
Posey	Schmitz/Posey Co. CES/Cynthiana	0	0	0	0	1		
Posey	Schmitz/Posey Co. CES/St. Phillips W	0	0	1	0	0		
Pulaski	Capouch/M&R Ag Services	7	42	345	114	32	22	
Pulaski	Leman/Ceres Solutions	5	3	14	3			
Putnam	Nicholson/Nicholson Consulting	0	1	0	0	1	2	
Randolph	Boyer/DPAC	1	3	0	0	5		
Rush	Schelle/Falmouth Farm Supply Inc.	0	0	0	5	0		
Shelby	Fisher/Shelby County Co-op	0	0	0	0	3	2	
Shelby	Simpson/Simpson Farms	1	1	0	5	3	2	
St. Joseph	Barry/Helena	1	5	46	68	41	29	
St. Joseph	Battles/Mishawaka	0	0	28	4	0	1	
St. Joseph	Carbiener/Breman	0	0	10	5			

St. Joseph	Smith/Co-Alliance, LLP/Granger	3	53	196	76	108	25
St. Joseph	Smith/Co-Alliance, LLP/New Carlisle	1	3	11	52	4	0
Starke	Capouch/Medaryville	2	11	2	1	5	1
Starke	Smith/Co-Alliance, LLP/Hamlet	9	34	233	215	22	11
Sullivan	Bower/Ceres Solutions/Farmersburg	0	0	0	0		
Sullivan	Bower/Ceres Solutions/Sullivan	0	3	0	0		
Tippecanoe	Bower/Ceres Solutions/Lafayette	4	56	20	5		
Tippecanoe	Nagel/Ceres Solutions	0	4	15	0	6	
Tippecanoe	Obermeyer/Purdue Entomology	0	0	0	0	0	0
Tippecanoe	Westerfeld/Monsanto Research Farm	6	10	6	3	2	
Tipton	Campbell/Beck's Hybrids	0	0	0	4	1	1
Vermillion	Bower/Ceres Solutions/Clinton	0	0	0	0		
Wabash	Enyeart/Ceres Solutions	0	0	2	1	0	
Whitley	Boyer, Richards/NEPAC/Schrader	3	3	31	19	13	9
Whitley	Boyer, Richards/NEPAC/Kyler	0	0	16	4	4	0

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

## Welcome Our New Field Crops Pathologist, Dr. Darcy Telenko

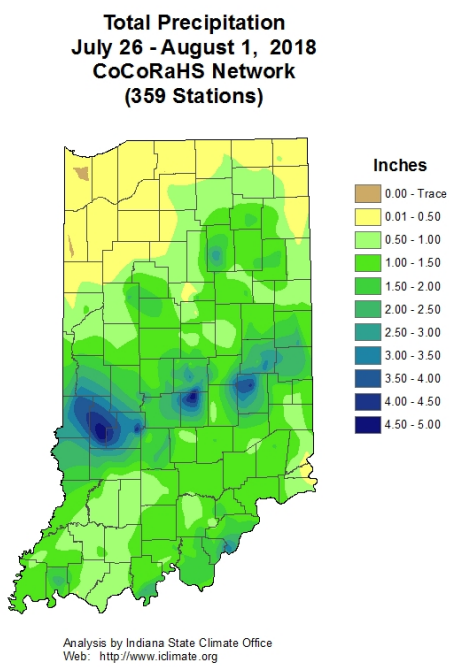
Please join us in welcoming Dr. Darcy Telenko to our field crops team at Purdue University. Dr. Telenko will have extension and research responsibilities in field crops pathology, and her departmental home will be the department of Botany and Plant Pathology. Dr. Telenko's focus will be involved in researching the biology and management of soil-borne and foliar pathogens of agronomic crops. She spent the last four years as an Extension Vegetable Specialist for the Cornell Vegetable Program at Cornell University in New York. Her responsibilities in that position were fresh market vegetable production, disease and weed management, soil health, and climate change resiliency. Darcy is a native of western New York and received her BS in Biological Sciences at Cornell University, MS in Plant and Soil Science at Southern Illinois University, and Ph.D. in Plant Pathology and Crop Sciences at North Carolina State University. Prior to Cornell, Darcy's post-doctoral research included studies in weed management of turf grass and agronomic crops at the University of Florida and disease management of agronomic crops at Virginia Tech.



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# Total Precipitation July 26-Aug. 1, 2018

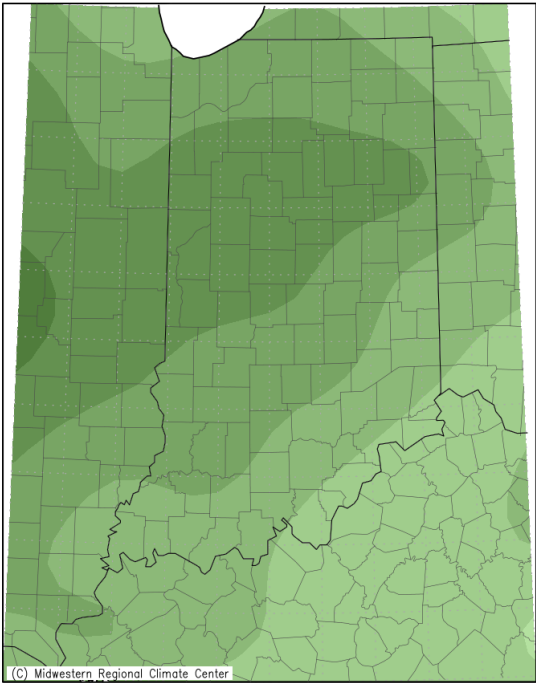


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# Average Temperature Departure from Mean July 25-July 31, 2018

Average Temperature (°F): Departure from Mean  
July 25, 2018 to July 31, 2018



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Purdue University, West Lafayette, Indiana  
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