



In This Issue

Insects, Mites, and Nematodes

- Western Bean Cutworm Moth Captures, 2011
- Western Bean Cutworm Adult Pheromone Trap Report
- Black Light Trap Catch Report

Bits & Pieces

- NEWS RELEASE - Davis Purdue Ag Center Field Day, August 16

Weather Update

- Moisture and Temperature Accumulations

Insects, Mites, And Nematodes

Western Bean Cutworm Moth Captures, 2011 – (Christian Krupke and John Obermeyer)

- Average/trap moth numbers higher than last year.
- Peak flight approximately 2 weeks later than last year.
- Finding egg masses and larva have been a challenge this year – reasons unclear.

As the western bean cutworm moth numbers dwindle for the season, our dutiful pheromone trap cooperators deserve a hearty thank you for the efforts and the information they provide in attempting to better understand this relatively new pest to Indiana. The following graph summarizes their efforts, in comparing average trap catches from 2010 to 2011. What a difference a year makes!

What seems the most surprising is that the average moth capture per trap is actually higher this year than last. Certainly one must be careful when pulling conclusions from averages. It is interesting that the in-state distribution is about the same as last year, meaning other than a slight

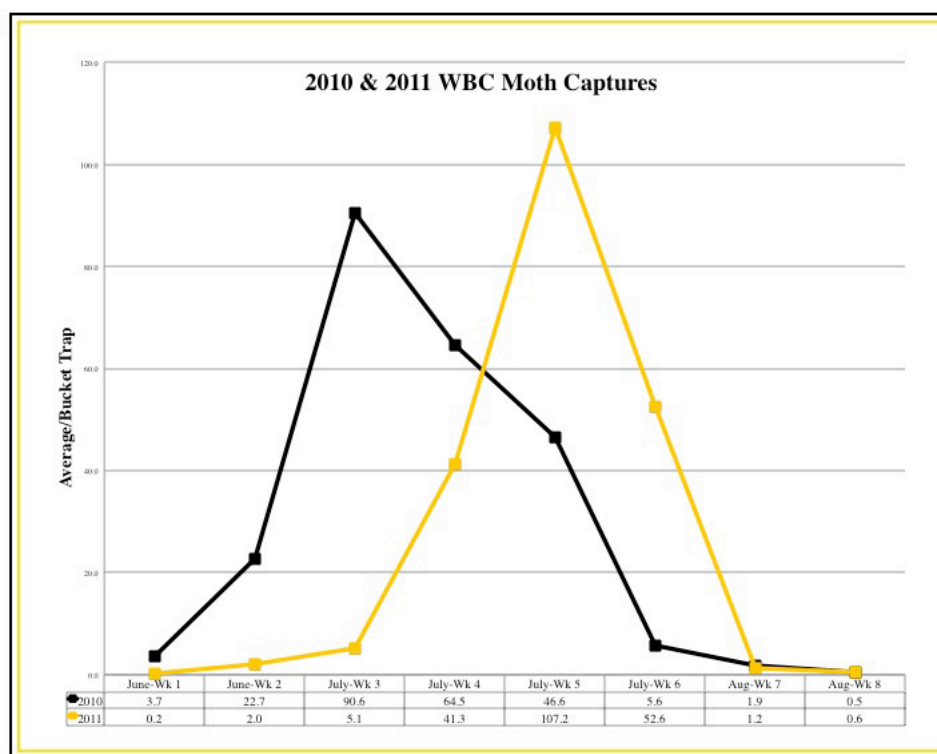
shift to north central counties, the majority of the moths were captured in northwestern counties, specifically the areas with sandier soils. The fringe area traps, caught very few, if any, moths.

Unlike last year, egg masses were very hard to find, and subsequent damage appears to be much lower. Though we have some theories, the bottom line is that with even with more moths this year, damage to corn is reportedly way down from last year. This was becoming obvious when during peak flight, we sent crews to fields near high moth catches to harvest egg masses for field trials and came up empty each time. Similar observations were reported to us by industry agronomists. This is very good news to producers, but frustrating for researchers wanting to further study this pest.

The two-year comparison graph below shows that peak moth flight was about 2 weeks later than last year. Most can remember how advanced we were by mid-summer in heat unit accumulations in 2010. This year certainly has

been a cool, slow start, with rapid advances (too much) in heat. The synchrony of corn development, moth flight, and high temperatures certainly played a big role in lowering infestations this year.

Though there are undoubtedly larvae surviving out there somewhere, it looks as though that threat will be much less in 2012. This strange season only further complicates our understanding and predictability of this insect – based on this season's reports, it's status as a significant "pest" of Indiana corn production is in doubt.



Black Light Trap Catch Report - (John Obermeyer)

County/Cooperator	7/26/11 - 8/1/11							8/2/11 - 8/8/11						
	VC	BCW	ECB	WBC	CEW	FAW	AW	VC	BCW	ECB	WBC	CEW	FAW	AW
Dubois/SIPAC Ag Center	1	1	0	0	0	0	2	0	3	0	0	0	0	0
Jennings/SEPAC Ag Center	0	1	0	0	0	0	0	0	4	0	0	1	0	0
Knox/SWPAC Ag Center								0	2	0	0	0	0	0
LaPorte/Pinney Ag Center	0	0	0	3	0	0	2	0	0	18	8	4	0	3
Lawrence/Feldun Ag Center	0	1	0	0	0	0	0	2	5	0	0	0	0	2
Randolph/Davis Ag Center	0	0	0	0	0	0	4	0	3	0	0	0	0	6
Tippecanoe/TPAC Ag Center	0	5	12	0	0	2	0	2	8	0	0	3	0	6
Whitley/NEPAC Ag Center	0	0	0	2	0	0	3	0	0	0	0	0	0	0

VC = Variegated Cutworm, BCW = Black Cutworm, ECB = European Corn Borer, WBC = Western Bean Cutworm, CEW = Corn Earworm, FAW = Fall Armyworm, AW = Armyworm

Western Bean Cutworm Adult Pheromone Trap Report

Week 1 = 6/20/11 - 6/22/11 Week 2 = 6/22/11 - 6/29/11 Week 3 = 6/30/11 - 7/6/11 Week 4 = 7/7/11 - 7/13/11 Week 5 = 7/14/11 - 7/20/11

Week 6 = 7/21/11 - 7/27/11 Week 7 = 7/28/11 - 8/3/11 Week 8 = 8/3/11 - 8/10/11

County	Cooperator	WBC Trapped							
		Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
Adams	Kaminsky/New Era Ag		0	0	0	3	0	0	0
Adams	Roe/Mercer Landmark - Pleasant Mills	0	0	0	1	0	0	0	4
Allen	Anderson/Syngenta Seeds	0	0	5	1	0	0	2	0
Allen	Gynn/Southwind Farms - Ft. Wayne	0	0	0	0	0	0	0	0
Benton	Babcock/Ceres Solutions - Boswell	0	0	0	0	0	0	0	0
Boone	Dennis Carrell - Lebanon		0	0	2	0	1	0	0
Clay	Bower/Ceres Solutions - Brazil	0	0	0	0	0	0	0	0
Clay	Bower/Ceres Solutions - Clay City	0	0	0	0	0	0	0	0
Clinton	Rick Foster/Purdue Entomology - Rossville	0	0	5	6	0	0	0	0
DeKalb	Hoffman/ATA Solutions	0	0	0	1	11	26	9	6
Dubois	Eck/Purdue CES - Jasper	0	0	0	0	0	0	0	0
Fayette	Schelle/Falmouth Farm Supply	0	0	0	0	0	0	0	0
Fountain	Mroczkiewicz/Syngenta - Rob Roy		0	0	0	0	0	0	0
Fulton	Jenkins/North Central Coop - Kewanna	1	7	4	84	92	51	2	0
Fulton	Jenkins/North Central Coop - Rochester	5	2	20	89	99	36	1	0
Hamilton	Beamer/Beck's Hybrids - Atlanta	0	2	2	0	1	3	0	0
Hamilton	Beamer/Beck's Hybrids - Sheridan	0	0	0	0	0	0	0	0
Hamilton	Lawson/Syngenta - Sheridan			0	0				
Hendricks	Lawson/Syngenta - Danville		0	0	2	0	0	0	0
Hendricks	Lawson/Syngenta - Brownsburg		0	2	0	4	0	0	0
Hendricks	Nicholson/Nicholson Consulting		0	0	0	0	0	0	0
Henry	Lawson/Syngenta - New Castle			0	0	0	0	0	0
Henry	Schelle/Falmouth Farm Supply	0	0	0	0	0	0	0	0
Jasper	Childs/Specialty Seed - Fair Oaks		5	35	187	281	185	15	
Jasper	Flora/Ceres Solutions - Pleasant Ridge 1		13	56	194	338	71		
Jasper	Flora/Ceres Solutions - Hanging Grove 1		6	15	161	423	166		
Jasper	Flora/Ceres Solutions - Medaryville 1		9	5	76	284	101		
Jasper	Flora/Ceres Solutions - Medaryville 2		11	9	136	532	287		
Jasper	Flora/Ceres Solutions - Newland 1		10	3	188	286	197		
Jasper	Flora/Ceres Solutions - Tefft 2		1	9	55	411	235		
Jasper	Flora/Ceres Solutions - Tefft 1		5	17	116	499	228		
Jasper	Flora/Ceres Solutions - Wheatfield 1		3	9	180	207	174		
Jasper	Flora/Ceres Solutions - Kniman 1		9	11	92	458	194		
Jasper	Flora/Ceres Solutions - Fishers		6	23	128	433	132		
Jasper	Flora/Ceres Solutions - Rensselaer NE		3	8	138	528	370		
Jasper	Overstreet/CES			0	3	122	30		
Jay	Shrack/RanDel AgriServices - Dunkirk	0	0	0	0	2	1	0	0
Jennings	Bauerle/SEPAC - North Vernon	0	0	0	0	0	0	0	0
Knox	Bower - Ceres Solutions - Frichton	0	0	2	0	0	0	0	0
Knox	Bower - Ceres Solutions - Oaktown	0	0	0	0	0	0	0	0
Knox	Bower - Ceres Solutions - Vincennes	0	0	0	0	0	0	0	0
Knox	Hoke/SWPAC	0	0	0	0	0	0	0	0
Lake	Kleine/Kleine Farms - Cedar Lake	0	1	3	6	8	12	4	5
Lake	Moyer- Shelby	0	3	6	71	98	87	2	0

Western Bean Cutworm Adult Pheromone Trap Report

Week 1 = 6/20/11 - 6/22/11 Week 2 = 6/22/11 - 6/29/11 Week 3 = 6/30/11 - 7/6/11 Week 4 = 7/7/11 - 7/13/11 Week 5 = 7/14/11 - 7/20/11
Week 6 = 7/21/11 - 7/27/11 Week 7 = 7/28/11 - 8/3/11 Week 8 = 8/3/11 - 8/10/11

County	Cooperator	WBC Trapped							
		Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
Lake	Moyer- Schneider	0	0	5	22	30	75	1	0
LaPorte	Barry/Kingsbury Elevator		0	0	26	25	7	1	0
LaPorte	Rocke/Agri Mgmt Solutions - House	0	0	2	35	35	8	2	0
LaPorte	Rocke/Agri Mgmt Solutions - LaCrosse	0	1	0	15	134	8	2	2
Montgomery	Stine/Nicholson Consulting	0	1	0	1	0	0	4	1
Newton	Moyer - Lake Village	0	0	1	7	118	35	2	2
Newton	Ritter/Purdue CES - Morocco	0	0	1			17	0	
Porter	Flora/Ceres Solutions - Dunns Bridge		8	17	435	648	187		
Porter	Leuck/PPAC - Wanatah N	0	0	3	19	66	16	1	0
Pulaski	Flora/Ceres Solutions - Francesville 1		4	7	93	432	365		
Pulaski	Rocke/Agri Mgmt Solutions - Francesville	0	0	2	9	62	8	2	0
Pulaski	Rocke/Agri Mgmt Solutions - Medaryville	1	5	4	47	147	92	7	4
Putnam	Nicholson/Nicholson Consulting - Greencastle	0	0	0	0	0	0	0	0
Randolph	Boyer/DPAC - Farmland	0	0	0	0	1	1	0	2
Rush	Schelle/Falmouth Farm Supply	0	0	0	0	0	0	0	0
Starke	Wickart/Wickert Agron Svc. - N. Judson	0	0	2	3	7	6	0	0
Sullivan	Bower/Ceres Solutions - Sullivan	0	0	2	0	0	0	0	
Tippecanoe	Bower/Ceres Solutions - West Point	1	6	32	18	0	0	0	0
Tippecanoe	Nagel/Ceres Solutions - Otterbein	0	1	2	16	3	0	1	0
Tippecanoe	Obermeyer/Purdue Entomology - Agron Farm	0	0	1	6	2	0	0	0
Tippecanoe	Westerfeld/Monsanto	0	0	1	9	15	0	0	0
Whitley	Walker/NEPAC - Columbia City	0	1	0	7	16	6	0	0

Bits & Pieces

NEWS RELEASE - Davis Purdue Ag Center Field Day, August 16 – (*Daniel D. Kirtley, Extension Educator*)

Agricultural research will be front and center at the Davis-Purdue Agriculture Center Field Day. The event takes place from 8:30 AM to 2 PM August 16. Registration is free and begins at 8 AM. Davis-Purdue is located five miles north of Farmland, Indiana on Indiana 1.

“We try to showcase research projects that are taking place,” said Dan Kirtley, Purdue Extension Educator. “It’s an opportunity for people to get out in the corn and soybean herbicide plots and see what we are doing.”

Throughout the day, Purdue experts will speak about issues affecting farmers. Speakers and topics include:

- Bill Johnson, Weed Specialist – Hot Topics in Weed Control, Corn and Soybean Herbicide Demonstration plots
- Christian Krupke, Extension Specialist – Current Insect Pest Issues in Corn & Soybeans
- Fred Whitford, Extension Specialist – Water Quality and Pesticide Efficacy
- John Orick, Extension Educator – Direct Supervision of Pesticide Applicators
- Bob Nielson, Extension Specialist – Evaluating Wind Damaged Corn

A free lunch will be provided. Also, St. Vincent Randolph Hospital will offer free health screenings for attendees, including blood pressure testing, tetanus shots and skin cancer screening.

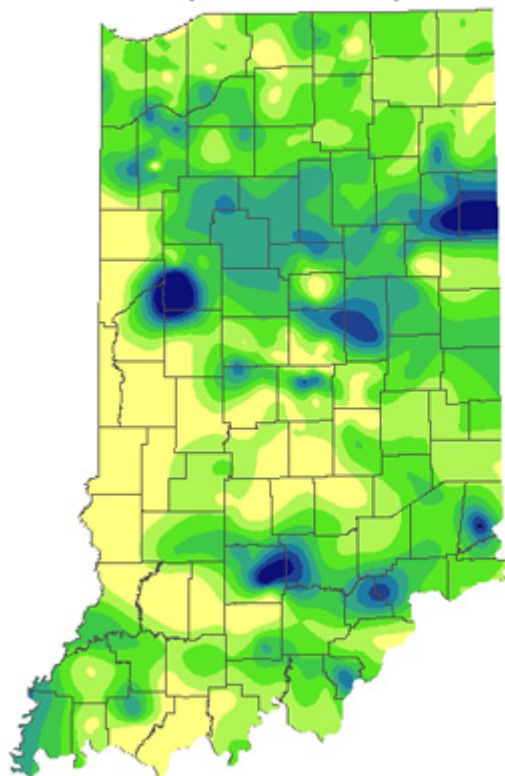
“Farmers are busy and oftentimes feel as though they don’t have time to see a doctor. That’s why we think this program is important,” said Kirtley. “This will be the seventh year for the health screenings, and we feel it’s made an impact.”

Field day attendees are eligible for commercial pesticide applicator Continuing Credit Hours, Continuing Education Units for crop consultants and private applicator credits. Private Applicator Credits cost \$10.

For more information about the field day, contact Kirtley at (765) 584-2271 or by e-mail at dkirtley@purdue.edu. Reservations are requested by August 12.

Weather Update

Total Precipitation August 4-10 2011 CoCoRaHS Network (435 stations)

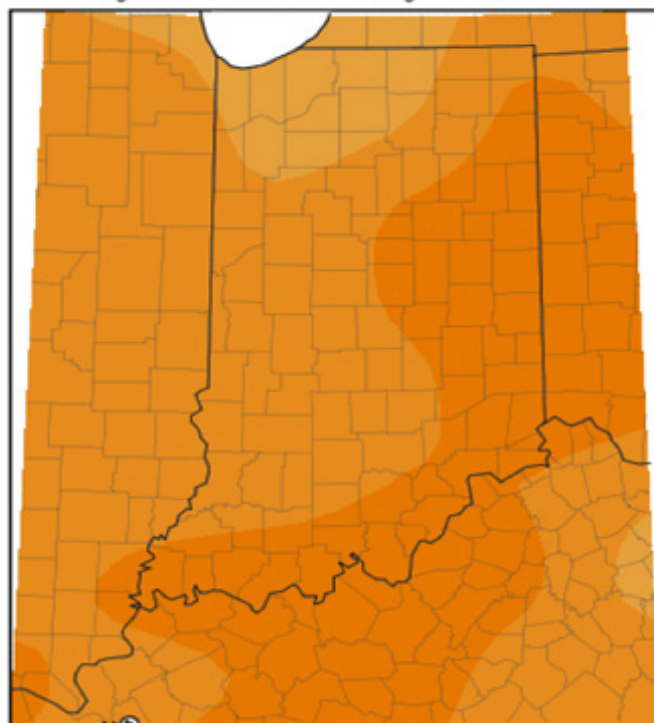


inches



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

Average Temperature (°F): Departure from Mean August 3, 2011 to August 9, 2011



Mean period is 1971-2000.



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