

2008 Pest Monitoring Highlights

By Steven Kirk

The 2008 insect monitoring season has come to a close for this year. Pest monitoring is an essential part of a successful Integrated Pest Management program and is the first line of defense in determining the potential for insect problems. The MU IPM Pest Monitoring Network provides up-to-date information on a variety of insect pests that can have a serious impact on Missouri's agriculture.

By visiting our website (<http://ppp.missouri.edu/pestmonitoring/index.htm>) farmers and landowners can find out if pest populations are present or increasing in their areas, and be alerted to the need to begin scouting their own fields.

This past season has seen an increase in trapping participants with over thirty trappers helping us monitor insect populations

at over 40 trap locations throughout the state. Currently we are trapping ten moths and one beetle using pheromone lures and a variety of insect traps.

The following table highlights total trap counts from five of the most economically important of these insect pests (Black cutworm, European corn borer, Japanese beetle, True Armyworm and Corn earworm) trapped and reported during the 2008 season along with the location (extension region, county and closest town or landmark) of each trap, the number of times the trap was monitored and the average number of days the trap was checked between each count.

Region	Trap Location: (County / City)	Total # caught:	Times trap monitored:	Average # of days between count:
Corn Earworm				
C	Callaway County - Fulton, MO	1774	35	3.3
C	Boone County (Bradford Farm) Columbia, MO	726	26	3.0
C	Audrain County - Mexico, MO	2463	34	3.4
EC	Franklin County - Union, MO	64	6	6.5
NE	Linn County - Linneus, MO	5	1	4.0
NW	Buchanan County - St. Joseph, MO	4	2	9.5
SE	Stoddard County - Bloomfield, MO	8812	31	4.3
SE	Dunklin County - Kennett, MO	13	18	6.9
SE	New Madrid County - (Delta Center) Portageville	9061	60	2.1
European Corn Borer				
C	Callaway County - Fulton, MO	32	38	3.2
C	Morgan County - Versailles, MO	5	17	4.4
C	Audrain County - Mexico, MO	17	29	3.3
C	Boone County - (South Farm) Columbia, MO	17	12	2.7
NE	Knox County (Greenley Center) - Novelty, MO	4	7	3.1
NW	Holt County - Oregon, MO	0	10	3.6
SE	Stoddard County - Bloomfield, MO	1	27	4.1
SE	Scott County - Benton, MO	34	10	4.2
SE	New Madrid County - (Delta Center) Portageville	3	40	2.6
SW	Barton County - Lamar, MO	0	1	4.0
WC	Ray County - Orrick, MO	1	1	13.0
WC	Vernon County - Nevada, MO	0	12	9.1

Region	Trap Location: (County / City)	Total # caught:	Times trap monitored:	Average # of days between count:
True Armyworm				
C	Callaway County - Fulton, MO	2	47	3.2
C	Morgan County - Versailles, MO	70	31	4.0
C	Audrain County - Mexico, MO	7	56	3.0
C	Boone County - Ashland, MO	0	17	2.3
C	Boone County - (Bradford Farm) Columbia, MO	2	31	2.6
C	Boone County - Wilton, MO	0	23	2.3
EC	Franklin County - Union, MO	13	14	6.4
NE	Knox County - (Greenley Center) Novelty, MO	102	18	2.6
NW	Buchanan County - St. Joseph, MO	222	13	5.7
NW	Holt County - Oregon, MO	37	15	3.6
SE	Mississippi County - Charleston, MO	21	6	7.2
SE	Scott County - Benton, MO	14	11	5.7
SE	New Madrid County - (Delta Center) Portageville	15	31	3.3
SW	Barton County - Lamar, MO	65	22	5.0
SW	Stone County - Galena, MO	85	19	6.1
WC	Ray County - Orrick, MO	0	3	5.3
WC	Vernon County - Nevada, MO	8	12	1.8
WC	Henry County - Clinton, MO	0	7	8.6

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Steven Kirk
(573) 882-5612

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Region	Trap Location: (County / City)	Total # caught:	Times trap monitored:	Average # of days between count:
Black Cutworm				
C	Callaway County - Fulton, MO	155	30	2.9
C	Morgan County - Versailles, MO	26	20	2.6
C	Audrain County - Mexico, MO	364	36	2.5
C	Boone County - (Bradford Farm) Columbia, MO	264	37	2.4
C	Boone County - (South Farm) Columbia, MO	32	25	2.3
C	Boone County - Wilton, MO	29	35	2.3
C	Henry County - Clinton, MO	26	13	5.8
C	Saline County - Saline County	10	20	2.7
C	Chariton County - Keytesville, MO	7	21	2.6
EC	Franklin County - Union, MO	66	9	4.6
NE	Marion County - Palmyra, MO	105	4	4.5
NE	Knox County - (Greenley Center) Novelty, MO	553	31	2.5
NE	Linn County - Linneus, MO	303	17	4.7
NW	Andrew County, Fillmore, MO	27	6	4.3
NW	Andrew County - Rosendale, MO	15	5	3.6
NW	Andrew County - Bolckow, MO	36	6	4.3
NW	Buchanan County - Buchanan County, MO	85	9	3.6
NW	Holt County - Oregon, MO	74	10	3.6
SC	Crawford County - Steelville, MO	3	1	6.0
SW	Barton County - Lamar, MO	48	18	4.0
SW	New Madrid County - (Delta Center) Portageville	37	522	3.1
WC	Ray County - Orrick, MO	26	9	3.6
WC	Vernon County - Nevada, MO	21	11	2.0

Region	Trap Location: (County / City)	Total # caught:	Times trap monitored:	Average # of days between count:
Japanese Beetle				
C	Callaway County - Fulton, MO	423	44	3.0
C	Morgan County - Versailles, MO	1	18	4.3
C	Audrain, County - Mexico, MO	0	41	3.2
C	Boone County - (MU Campus)	6155	10	7.0
C	Boone County - Ashland, MO	738	2	7.0
C	Boone County - (South Farm) Columbia, MO	611	24	3.3
C	Boone County - (Shelter Gardens) Columbia, MO	287	9	7.0
C	Boone County - Wilton, MO	1525	23	3.2
C	Saline County - Saline County	157	9	7.9
C	Chariton County - Keytesville, MO	0	9	7.9
EC	Franklin County - Union, MO	245	7	8.3
EC	St. Charles County - St. Peters, MO	1715	26	2.5
NE	Marion County - Palmyra, MO	8	12	6.2
NE	Knox County - (Greenley Center) Novelty, MO	0	5	5.8
NE	Linn County - Linneus, MO	0	2	5.5
NW	Holt County - Oregon, MO	0	10	3.6
SC	Miller County - Tuscumbia, MO	0	3	4.0
SE	Mississippi County - Charleston, MO	35667	13	6.4
SE	Scott County - Benton, MO	14000	9	6.6
SE	New Madrid County - (Delta Center) Portageville	3	30	3.2
SW	Barton County - Lamar, MO	14	10	6.7
SW	Stone County - Galena, MO	4358	11	7.6
WC	Ray County - Camden, MO	7361	11	11.0
WC	Vernon County - Nevada, MO	0	13	6.5
WC	Henry County - Clinton, MO	2	0	14.5

Crop Management Conference

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Contact Peter Scharf - scharfp@missouri.edu / 573-882-0777