

# Ohio Fruit ICM News

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## Comments from the Editor

For those of you that are more diversified or are just curious, please note two excellent events coming up, the Vegetable Crops Tour in Fremont, and the Southwest Ohio Corn Growers Field Day.

**Fruit Observations and Trap Reports** Trap reports for Columbus are posted at least once per week on the internet at <http://bugs.osu.edu/welty/tree-traps.html>

Waterman Lab Apple Orchards, Columbus 7/26/07 to 8/1/07

Redbanded leafroller:	20 (down from 10 last week)
Spotted tentiform leafminer:	98 (down from 131 last week)
San José scale (mean of 2):	0.5 (down from 1 last week)
Codling moth (mean of 3):	3 (down from 5.3 last week)
Lesser appleworm (mean of 2):	0.5 (down from 1.5 last week)
Tufted apple budmoth:	6 (up from 1 last week)
Oblique-banded leafroller:	3 (up from 1 last week)
Variegated leafroller:	2 (up from 1 last week)
Apple maggot (mean of 3):	17.6 (up from 7 last week)

Waterman Lab Apple Orchards, Columbus 7/19/07 to 7/25/07

Redbanded leafroller:	10 (same as last week)
Spotted tentiform leafminer:	131 (down from 405 last week)
San José scale (mean of 2):	1 (down from 31.5 last week)

Codling moth (mean of 3): 5.3 (up from 4 last week)  
Lesser appleworm (mean of 2): 1.5 (down from 2 last week)  
Tufted apple budmoth: 1 (same as last week)  
Oblique-banded leafroller: 1 (down from 2 last week)  
Variegated leafroller: 1 (down from 2 last week)  
Apple maggot (mean of 3): 7 (up from 1 last week)

Ron Becker, July 27

Red mites and two spotted spider mites are increasing in almost all blocks of apples and peaches. Codling moth damage is also being observed on fruit, especially at the point where two apples are touching each other. Bramble growers with anthracnose problems are being advised to prune out and destroy fruiting canes after harvest to remove an inoculation source for next years canes.

Trap reports 7/7/23-7/27

Wayne:

Codling moth - 4.5 (up from 2.4)  
Oriental Fruit Moth - 4 (up from 0)  
Lesser peachtree borer - 2 (down from 4)  
Peachtree borer - 4 (up from 3)  
Apple maggot (unbaited, sum of 3) - 0 (same as last week)

Holmes:

Codling moth - 2.1 (down from 4.2)  
Oriental Fruit Moth - 3.5 (up from 0)  
Lesser peachtree borer - 1.0 (down from 6)  
Peachtree borer - 2.0 (down from 3)  
Apple maggot (unbaited, sum of 3) - .67 (up from 0)

Medina:

Codling moth - 1.16 (down from 1.25)  
Oriental Fruit Moth - 0 (down from 4)  
Lesser peachtree borer - 0 (same as last week)  
Peachtree borer - 0 (same as last week)  
Apple maggot (unbaited, sum of 3) - 0 (same as last week)

North Central Tree Fruit IPM Program

Report Prepared by Zachary Rinkes (Erie County Extension Educator)

Jim Mutchler East District IPM Scout (Erie and Lorain Counties)

Date 7/30/07-7/31/07

Apples

Spotted tentiform leafminer 88.5 (up from 46)

San Jose Scale 52.5 (down from 90.8)

Redbanded leafroller 2.1 (up from 1.1)  
Codling Moth (average of 3) 5.6 (up from 3.7)  
Oriental Fruit Moth 15.1 (up from 9.6)  
Apple Maggot (sum of 3) 9.2 (up from 3.7)

Peaches

Redbanded leafroller- 1.0 (up from 0.3)  
Oriental Fruit Moth 19.3 (up from 18.0)  
Lesser peachtree borer 2.7 (same as last week)  
Peachtree borer 9.0 (up from 6.0)

Ted Gastier West District IPM Scout (Sandusky, Ottawa, Huron and Richland Counties)

Date 7/30/07

Apples

Spotted tentiform leafminer 579 (up from 406)  
San Jose Scale 0 (same as last week)  
Redbanded leafroller 15.9 (up from 2.0)  
Codling Moth (average of 3) 2.6 (up from 2.4)  
Oriental Fruit Moth 4.5 (up from 3.6)  
Lesser appleworm 11.7 (down from 12.1)  
Apple Maggot (sum of 3) 0 (same as last week)

Peaches

Redbanded leafroller- 5.4 (up from 2.4)  
Oriental Fruit Moth 5.9 (up from 3.5)  
Lesser peachtree borer 4.0 (up from 2.4)  
Peachtree borer 3.8 (up from 2.9)

Jim Mutchler East District IPM Scout (Erie and Lorain Counties)

7/23/07-7/24/07

Apples

Spotted tentiform leafminer 46 (down from 148)  
San Jose Scale 90.8 (up from 60.7)  
Redbanded leafroller 1.1 (down from 3.5)  
Codling Moth (average of 3) 3.7 (up from 2.4)  
Oriental Fruit Moth 9.6 (down from 9.7)  
Apple Maggot (sum of 3) 3.7 (up from 1.6)

Peaches

Redbanded leafroller- 0.3 (down from 1.7)  
Oriental Fruit Moth 18.0 (up from 3.3)  
Lesser peachtree borer 2.7 (down from 4.3)  
Peachtree borer 6.0 (up from 2.0)

Ted Gastier West District IPM Scout (Sandusky, Ottawa, Huron & Richland Co.)  
7/23/07

Apples

Spotted tentiform leafminer 406 (up from 171)  
San Jose Scale 0 (same as last week)  
Redbanded leafroller 2.0 (down from 6.7)  
Codling Moth (average of 3) 2.4 (up from 2.2)  
Oriental Fruit Moth 3.6 (down from 9.3)  
Lesser appleworm 12.1 (down from 27.8)  
Apple Maggot (sum of 3) 0 (same as last week)

Peaches

Redbanded leafroller- 2.4 (up from 1.2)  
Oriental Fruit Moth 3.5 (up from 3.3)  
Lesser peachtree borer 2.4 (up from 2.1)  
Peachtree borer 2.9 (up from 2.3)

**Plant and Pest Development** - (Based on Scaffolds Fruit Newsletter, Coming Events (D. Kain & A. Agnello), NYSAES, Geneva)

Redbanded leafroller 2nd flight subsides	1469-1855
Lesser appleworm 2nd flight peak	1473-2263
Comstock mealybug 2nd gen. crawlers emerging	1505-1781
Spotted tentiform leafminer 3rd flight begins	1522-1864
Obliquebanded leafroller 2nd flight begins	1528-1836
Oriental fruit moth 3rd flight begins	1597-1893
Comstock mealybug 2nd gen. crawlers peak	1658-1737
Spotted tentiform leafminer 3rd flight peak	1775-2121
Obliquebanded leafroller 2nd flight peak	1784-2108
San Jose scale 2nd flight subsides	1785-2371
Oriental fruit moth 3rd flight peak	1821-2257
Redbanded leafroller 3rd flight peak	1881-2327
Apple maggot flight subsides	1908-2368
Codling moth 2nd flight subsides	1944-2536
Lesser appleworm 2nd flight subsides	1973-2387
Oriental fruit moth 3rd flight subsides	2000-2288
Lesser peachtree borer flight subsides	2017-2433
Obliquebanded leafroller 2nd flight subsides	2036-2458
Redbanded leafroller 3rd flight	2142-2422

subsidies	
American plum borer 2nd flight subsidies	2184-2544
Spotted tentiform leafminer 3rd flight subsidies	2246-2432

## **USDA Designates 56 Ohio Counties as Primary Natural Disaster Areas**

The U.S. Department of Agriculture designated 56 counties in Ohio as primary natural disaster areas because of losses caused by frost and freeze conditions that occurred from April 1, 2007, through April 20, 2007. Those counties are: Adams, Athens, Auglaize, Belmont, Brown, Butler, Champaign, Clark, Clermont, Clinton, Coshocton, Darke, Fairfield, Franklin, Fulton, Gallia, Geauga, Greene, Guernsey, Hamilton, Highland, Hocking, Holmes, Jackson, Jefferson, Knox, Lawrence, Licking, Logan, Lorain, Lucas, Madison, Marion, Medina, Meigs, Monroe, Montgomery, Morgan, Morrow, Muskingum, Noble, Ottawa, Paulding, Perry, Pickaway, Pike, Portage, Preble, Ross, Sandusky, Scioto, Union, Vinton, Warren, Washington, Wyandot.

Also eligible in Ohio because they are contiguous are the following counties: Allen, Ashland, Ashtabula, Carroll, Columbiana, Crawford, Cuyahoga, Defiance, Delaware, Erie, Fayette, Hancock, Hardin, Harrison, Henry, Huron, Lake, Mahoning, Mercer, Miami, Putnam, Richland, Seneca, Shelby, Stark, Summit, Trumbull, Tuscarawas, Van Wert, Wayne, Williams, Wood.

In addition, the counties listed below in the adjacent states of Indiana, Kentucky, Michigan and West Virginia are also eligible because they are contiguous:

### Indiana

Allen, Dearborn, Franklin, Jay, Randolph, Union and Wayne counties

### Kentucky

Boone, Boyd, Bracken, Campbell, Greenup, Kenton, Lewis, Mason and Pendleton counties

### Michigan

Hillsdale, Lenawee and Monroe counties

### West Virginia

Brooke, Cabell, Hancock, Jackson, Marshall, Mason, Ohio, Pleasants, Tyler, Wayne, Wetzel and Wood counties

All counties listed above were designated natural disaster areas on July 20, 2007, making all qualified farm operators in the designated areas eligible for low interest emergency (EM) loans from USDA's Farm Service Agency (FSA), provided eligibility requirements are met. Farmers in eligible counties have eight months from the date of the declaration to apply for loans to help cover part of their actual losses. FSA will consider each loan application on its own merits, taking into account the extent of losses, security available

and repayment ability. FSA has a variety of programs, in addition to the EM loan program, to help eligible farmers recover from adversity.

USDA has also made other programs available to assist farmers and ranchers, including the Emergency Conservation Program, Federal Crop Insurance and the Noninsured Crop Disaster Assistance Program.

Interested farmers may contact their local USDA Service Centers for further information on eligibility requirements and application procedures for these and other programs. Additional information is also available online at:  
<http://www.fsa.usda.gov/FSA/webapp?area=home&subject=diap&topic=landing>.

### **South Centers Horticulture Field Night** by Randi Espinoza

Attend Ohio State University's Horticulture Field Day on Thursday, Aug. 9, to discover the latest research on a variety of fruits, vegetables, flowers and more. Held at the OSU South Centers at Piketon, the event will give visitors helpful tips and useful knowledge to enhance their commercial berry, vegetable and nursery crops.

"This is an important educational event for anyone who grows or wants to grow berry, nursery or flower crops for farm profit," said Brad Bergefurd, a horticulturist with OSU Extension and the Ohio Agricultural Research and Development Center (OARDC).

Sponsored by OARDC and OSU Extension, the program is open to the public with no need to pre-register. Cost is \$5 per person. Field research trial tours will be held from 5-7 p.m. with time for questions afterward. Dinner will be served from 7-8 p.m.

Research trials to be highlighted include pumpkin, seedless watermelon, fresh-market tomato, fresh-market bell pepper, summer squash, primocane-bearing brambles and strawberry plug plant production. Other information to be discussed includes edible landscaping, ornamental corn, annual bedding plant and ornamental grass evaluations.

"This year's field day features the establishment of our new wine grape trial," said Shawn Wright, an OSU Extension and OARDC horticulturist. "Also we will introduce our new small-fruit specialist, Dr. Maurus Brown, who will be heading up the newly established wine grape research and Extension program at the South Centers."

Invited speaker Greg Biggus, an independent flowering-plant propagator and Jackson County farm owner, will speak on "Flower Products from Farm to Global Marketplace" and will share his experiences working with the South Centers, Ohio State's Department of Horticulture and Crop Science, and OSU Extension to develop a new perennial plant release from his farm.

Ohio State's South Centers are located off state Route 32 at 1864 Shyville Rd. in Piketon.

### **USDA Announces Colony Collapse Disorder Research Action Plan**

By [Kim Kaplan](#)

U.S. Department of Agriculture Under Secretary for Research, Education and Economics Gale Buchanan today announced that USDA researchers have finalized an action plan for dealing with colony collapse disorder (CCD) of honey bees. The plan can be read at: [www.ars.usda.gov/is/br/ccd/ccd\\_actionplan.pdf](http://www.ars.usda.gov/is/br/ccd/ccd_actionplan.pdf)

"There were enough honey bees to provide pollination for U.S. agriculture this year, but beekeepers could face a serious problem next year and beyond," Buchanan said. "This action plan provides a coordinated framework to ensure that all of the research that needs to be done is covered in order to get to the bottom of the CCD problem."

The action plan coordinates the federal strategy in response to CCD. It addresses four main components: (1) survey and data collection needs; (2) analysis of samples to determine the prevalence of various pests and pathogens, exposure to pesticides, or other unusual factors; (3) controlled experiments to carefully analyze the potential causes of CCD; and (4) developing new methods to improve the general health of bees to reduce their susceptibility to CCD and other disorders.

Four possible causes for CCD are identified in the plan: (1) new or reemerging pathogens, (2) new bee pests or parasites, (3) environmental and/or nutritional stress, or (4) pesticides. Research will focus on determining which of these factors are contributing causes of CCD, either individually or in combination.

CCD became apparent as a problem beginning in the winter of 2006-2007 when some beekeepers began reporting losses of 30-90 percent of their hives. While colony losses are not unexpected during winter weather, the magnitude of loss suffered by some beekeepers was highly unusual.

There is currently no recognizable underlying cause for CCD. The main symptom is finding no or a low number of adult honey bees present with no dead honey bees in the hive. Often there is still honey in the hive and immature bees (brood) are present. Pollination is a critical element in agriculture, as honey bees pollinate more than 130 crops in the United States and add \$15 billion in crop value annually.

The research action plan was developed by a CCD Steering Committee, chaired by Kevin Hackett, USDA's Agricultural Research Service (ARS) national program leader for bees and pollination; H.J. Rick Meyer, national program leader for plant and animal systems for USDA's Cooperative State Research, Education and Extension Service (CSREES); and Mary Purcell-Miramontes, national program leader for bio-based pest management, entomology and nematology for CSREES. The committee also included other federal and university experts.

Even before the completion of this research plan, considerable research efforts have begun to be redirected to deal with CCD.

## Preliminary Monthly Climatologic Data for Selected Ohio Locations - July 2007

	July		Average Temperatures			
	Precip.	Normal	High	Low	Monthly	Normal
<b>Akron-</b>						
<b>Canton</b>	3.07	4.02	81.0	58.5	69.7	71.8
<b>Cincinnati</b>	1.92	3.75	85.8	63.4	74.6	76.3
<b>Cleveland</b>	2.57	3.52	80.6	61.2	70.9	71.9
<b>Columbus</b>	3.02	4.62	83.6	62.7	73.2	75.1
<b>Dayton</b>	2.34	3.75	82.6	60.5	71.6	74.3
<b>Mansfield</b>	4.09	4.23	80.0	58.3	69.1	71.0
<b>Toledo</b>	3.40	2.80	82.6	59.6	71.1	73.0
<b>Youngstown</b>	1.61	4.10	81.2	56.6	68.9	69.9

This data is from the National Weather Service. Temperature is Fahrenheit and precipitation is in inches.

### **Calendar** - Newly added in ***Bold***

August 8, Vegetable Crops Tour, Fremont. For more information, contact Hofelich, (419) 332-5142, [hofelich.4@osu.edu](mailto:hofelich.4@osu.edu); or Mark Koenig, (419) 334-6340, [koenig.55@osu.edu](mailto:koenig.55@osu.edu)

August 9, OSU South Centers Horticulture Field Night, Piketon. 5-7PM \$5.00 registration fee. For more information see this issue or contact Julie Strawser [strawser.35@osu.edu](mailto:strawser.35@osu.edu) or phone 740-289-2071.

August 14, Southwest Ohio Corn Growers Field Day and Clean Sweep Program, Fayette County Airport. To pre-register or for more information please contact the Ohio Department of Agriculture Pesticide Section at 614-728-6987

August 14-15, 2007. NASGA Summer Tour, Niagara Falls Canada and Niagara region of New York.

August 16, Ohio Grape & Wine Day, Ashtabula Agricultural Research Station, Kingsville. For more information contact Greg Johns (440/224-0273).

August 23, Northwest Michigan Horticultural Research Station Open House and Equipment Show, Traverse City, Michigan. For more information phone (231) 946-1510 or [www.maes.msu.edu/nwmihort](http://www.maes.msu.edu/nwmihort).

September 15 -16, Ninth Annual Ohio Pawpaw Festival, Lake Snowden. The Pawpaw will be celebrated with music, vendors, tastings, a cook-off, contests, kid's activities, and more for the whole family. To find out more visit [www.pawpawfest.com](http://www.pawpawfest.com) or email [info@pawpawfest.com](mailto:info@pawpawfest.com).

October 5-6, US Highbush Blueberry Council Fall Meeting, Crowne Plaza Northstar Hotel, Minneapolis, Minnesota. For more information:  
<http://www.blueberry.org/calendar.htm>.

Oct. 27, Kentucky Nut Growers Association Fall Meeting, UK Research and Education Center, Princeton. Contact Joe Masabni 270-365-7541 ext 247; e-mail  
[jmasabni@uky.edu](mailto:jmasabni@uky.edu).

Nov. 11-13, Southeast Strawberry Expo. Sheraton Imperial Hotel in Research Triangle Park. For more information contact Debby Wechsler, NC Strawberry Association, phone 919-542-3687 or email [ncstrawberry@mindspring.com](mailto:ncstrawberry@mindspring.com).

December 4-6, Great Lakes Fruit, Vegetable and Farm Market EXPO, DeVos Place, Grand Rapids, MI, for more information [www.glexpo.com](http://www.glexpo.com).

Jan. 7-8, 2008 -- Kentucky Fruit and Vegetable Conference, Embassy Suites, Lexington, KY. Contact John Strang 859-257-5685; e-mail: [jstrang@uky.edu](mailto:jstrang@uky.edu)

Jan 14-16, 2008. Ohio Produce Growers and Marketers Association Congress, Kalahari Resort & Conference Center, Sandusky Ohio

Jan. 28-30, 2008. Indiana Horticultural Congress, Adam's Mark Hotel, Indianapolis. For more information see [www.inhortcongress.org](http://www.inhortcongress.org)

**Jan. 29-31 - Mid-Atlantic Fruit and Vegetable Convention**, Hershey Lodge and Convention Center, Hershey, PA. For More information Contact William Troxell 717-694-3596.

NOTE: Disclaimer - This publication may contain pesticide recommendations that are subject to change at any time. These recommendations are provided only as a guide. It is always the pesticide applicator's responsibility, by law, to read and follow all current label directions for the specific pesticide being used. Due to constantly changing labels and product registrations, some of the recommendations given in this writing may no longer be legal by the time you read them. If any information in these recommendations disagrees with the label, the recommendation must be disregarded. No endorsement is intended for products mentioned, nor is criticism meant for products not mentioned. The author and Ohio State University Extension assume no liability resulting from the use of these recommendations.

## Ohio Poison Control Number

(800) 222-1222  
TDD # is (614) 228-2272