

Ohio Fruit ICM News

Editor: Shawn R. Wright
Ohio State University South Centers
1864 Shyville Rd., Piketon, OH 45661
Phone (740) 289-2071 extension 120
E-mail: wright.705@osu.edu

<http://southcenters.osu.edu/hort/icmnews/index.htm>

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

Aug. 2-13: Ohio State Fair, Columbus, Ohio. (888) 646-3976

Aug. 9-20: Indiana State Fair, Indianapolis. (317) 927-7500.

August 17-18, Apple Crop Outlook and Marketing Conference. Four Seasons Motel, Chicago, Ill. For more information www.usapple.org.

August 22-23, North American Strawberry Growers Association Summer Tour, Portland Maine. For more information, <http://www.nasga.org/>

August 24, Organic Horticultural Crop Field Day, OARDC, Wooster, Ohio. For more information phone (330) 263-3878.

August 24, 2006 Bramble Field Day, 3pm – 7pm at Nourse Farms, Whately MA. Please pre-register for this meeting by contacting Sonia Schloemann at 413-545-4347 or sgs@umext.umass.edu.

Aug. 30-Sept.1 North American Fruit, Explorers (NAFEX) and SFF Annual Meeting, Holiday Inn North, Lexington, KY. Contact John Strang 859-257-5685; e-mail: jstrang@uky.edu

September 16-17, Ohio Pawpaw Festival, Lake Snowden. The Eighth Annual Ohio Pawpaw Festival will take place Saturday, September 16 & Sunday, September 17, 2006, at [Lake Snowden](#) near Albany, Ohio. The gates open at 10 a.m. on both days. The event costs \$5.00 per person per day (or \$8.00 for both days); kids under 12 are free. Pets are permitted, but must be on a leash. This year's festival features several pawpaw events:

the Pawpaw Tent, Best Pawpaw competition, the Pawpaw Cook-off, Pawpaw eating contest, Pawpaw beer garden, and the Community Marketplace. For more information <http://www.pawpawfest.com>

September 19-21, Farm Science Review, Molly Caren Agricultural Center, London.
<http://fsr.osu.edu/>

September 21, Grape and Pawpaw Field Day KSU Research Farm, Mills Lane, Frankfort, KY. For more information contact Kirk Pomper at 502-597-5942

October 6-7, U.S. Highbush Blueberry Council Fall Meeting. Regency, Bar Harbor, Maine, Regency, Bar Harbor, Maine. For more information (207) 288-9723.

November 9-11, Southeast Strawberry Expo, Sunset Beach, NC (near Wilmington). For more information, contact the NC Strawberry Association, 919-542-3687 or ncstrawberry@mindspring.com

December 5-7, Great Lakes Fruit, Vegetable and Farm Market EXPO. DeVos Place, Grand Rapids, Mich., www.glexpo.com.

January 7-9, 2007, Wisconsin Fresh Fruit and Vegetable Conference, Olympia Resort and Conference Center, Oconomowoc, www.wisconsinfreshproduce.org

Jan. 8-9, 2007, Kentucky Fruit and Vegetable Conference and Trade Show, Holiday Inn North, Lexington, KY. Contact John Strang 859-257-5685; e-mail jstrang@uky.edu

January 25-28, 2007, Southern Sustainable Agriculture Conference. The Galt House Hotel and Suites, Louisville, Ky. For more information (678) 494-0696

Jan. 29. Beginning Commercial Apple Production Workshop. Indianapolis. For more info contact Peter Hirst, 765-494-1323 or hirst@purdue.edu

Jan. 29-31. Indiana Horticultural Congress and Trade Show, Indianapolis.

January 30-February 1, 2007, Mid-Atlantic Fruit & Vegetable Convention. Hershey Lodge & Convention Center, Hershey PA

February 9-12, 2007, North American Strawberry Growers Association Strawberry Symposium. Ventura, California. For more information <http://www.nasga.org/>.

February 14-15, 2007, Empire State Fruit and Vegetable Expo Syracuse, N.Y. For more information www.nysaes.cornell.edu/hort/expo.

February 16-17, 2007, North American Farmers' Direct Marketing Conference and Trade Show. Hyatt Regency Hotel, Calgary, Alberta, Canada. For more information www.nafdma.com.

Comments from the Editor

It is been a fast summer season. Schools will be starting up soon, the days are getting noticeably shorter and our summer activities are drawing to a close. That doesn't mean we can let up on scouting. With the hot, dry weather spider mites have been a severe problem for some growers. They feed on the underside of the leaves by sucking sap from the plant. I have seen infestations that we so severe bramble plantings were defoliated.

We are gearing up for fall activities and are planting our first strawberry tips for our plasticulture strawberries.

Dog Day Diligence by Art Agnello, Entomology, Geneva (source: SCAFFOLDS Fruit Journal, Volume 15, No. 21)

Most of the season's pest control decisions are likely to be completed this week and next. As you prepare to make what will likely be your final turn through the orchard for crop protection purposes before starting to concentrate on harvest activities, try to keep alert to any late-breaking pest developments that might be expected during this most typical summer. Last week's major heat wave may have passed, but any additional heat will be very conducive to increased insect activity. Here's a quick rundown of some of the more important midsummer pests to keep in mind during this homestretch.

Apple Maggot: Adult numbers have been reasonably high in the orchard sites where we're catching them. Some blocks don't have much of a population, but in historically high-pressure orchards, mid-August is still an active period for flies to be out and laying eggs. This is yet another one of those seasons when localized trapping can pay off in the event that some blocks are under greater pressure than others, even on the same farm, so please continue to monitor traps in representative blocks.

Internal Lepidoptera: Once again, this complex of fruit-feeding larvae has been difficult to predict. Despite high numbers of first-generation OFM and CM moths, second flights have so far been fairly unremarkable, and most growers seem to be pretty much on top of the situation. Some spots with fruit damage are known, but in general, most orchards look to be in good shape.

Conditions are still favorable for good August flights, particularly for codling moth, which has occurred in higher numbers this year than we have previously seen. We are currently in the middle of an appropriate window for management sprays of either species, so prudence would dictate a critical evaluation of your late-season fruit protection status, to be sure you are adequately covered until the PHI for the various respective varieties.

For now, we're recommending that problem sites be kept covered with at least another spray, and we'll see what the tail end of the pre-harvest period looks like. Options include Guthion, Imidan, Asana, Warrior or Proaxis in peaches. In apples and pears, you

can use Guthion, Imidan, Assail, Avaunt, Calypso, Asana, Warrior, Proaxis, or Danitol; the non-OP materials will additionally give control of white apple leafhopper. This is additionally the suitable time for Cyd-X applications against codling moth. For control of OFM, alternate row middle applications will not be as effective as whole orchard sprays in high pressure blocks. Assess the pressure in your specific situations, check the pre-harvest intervals, and determine whether a full or border spray might be in order.

European Corn Borer: Recall that these moths have a final flight that extends to the middle of September, and that the offspring can inflict last-minute fruit feeding damage to later varieties. One or two late sprays of a B.t. product like Dipel can go a long ways toward minimizing this injury, and the 0-day PHI is compatible with any harvest schedule. Also, SpinTor applied against late season leafrollers will provide incidental corn borer control (PHI = 7 days).

Mites: It can't be said often enough in a season like this that mites are extremely good at exploiting high temps to pump out a few more generations before they call it quits for the winter; twospotted spider mites are also possible, although less likely under conditions of adequate moisture such as we are currently seeing. A frequent (weekly) perusal of your foliage can pay off big dividends if they happen to build rapidly before the crop is fully mature.

Obliquebanded Leafroller: The second summer flight of OBLR is due to start any time now, which means that the first larvae will be out looking for a snack by the 2nd to 3rd week of August. If you struggled to manage the 1st summer brood (and a number of growers did), you might also cast a judicious eye on your fruits while you're in there checking the leaves for mites, to determine whether a late application of SpinTor or a B.t. material such as Dipel, Deliver or Biobit might be of use in heading off late-season feeding damage.

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>

Site: Waterman Lab Apple Orchards, Columbus

Dates: 7/27/06 to 8/2/06

Pests: Redbanded leafroller: 76 (up from 20 last week)
Spotted tentiform leafminer: 391 (up from 281 last week)
San José scale: 80 (up from 60 last week)
Codling moth (mean of 3): 10 (down from 10.3 last week)
Lesser appleworm: 24 (up from 18 last week)
Tufted apple budmoth: 16 (up from 15 last week)
Variegated leafroller: 10 (up from 1 last week)
Obliquebanded leafroller: 53 (up from 22 last week)
Apple maggot (mean of 3): 0.7 (up from 0 last week)

North Central Tree Fruit IPM Program

Report Prepared By Zachary Rinkes - Erie County Extension Educator

Trap Reports can be found at: <http://erie.osu.edu/>

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

Dates - 7/31/06 and 8/01/06

Apples

- Redbanded leafroller - 2.4 (up from 1.4)
- Oriental Fruit Moth - 1.0 (up from 0.6)
- San Jose Scale - 158 (up from 37)
- Codling Moth (mean of 3) - 7.3 (up from 4.7)
- Apple Maggot (sum of 3) - 1.1 (up from 0.4)

Peaches

- Redbanded leafroller - 4.7 (up from 1.5)
- Oriental Fruit Moth - 3.3 (up from 1.5)
- Lesser peachtree borer - 18.0 (up from 7.3)
- Peachtree borer - 5.7 (down from 8.3)

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

Date - 7/31/06

Apples

- Spotted tentiform leafminer - 561 (up from 296)
- Redbanded leafroller - 2.3 (up from 1.8)
- Oriental Fruit Moth - 2.0 (down from 8.0)
- San Jose Scale - 0 (same as last week)
- Codling Moth (mean of 3) - 1.1 (up from 0.4)
- Lesser appleworm - 6.0 (down from 14.0)
- Apple maggot (sum of 3) - 0 (same as last week)

Peaches

- Redbanded leafroller - 7.4 (up from 4.3)
- Oriental Fruit Moth - 0.3 (up from 0.1)
- Lesser peachtree borer - 6.0 (up from 4.0)
- Peachtree borer - 3.2 (up from 2.7)

Site: Holmes, Medina, and Wayne Counties

Ron Becker, IPM Program Assistant

Date: August 4

No sooty blotch or fly speck has been found so far. Insect activity remains low.

Wayne:

- Codling Moth - 10.5 (up from 3.0)
- Apple Maggot - (Sum of 3, with apple essence lure) - 0 (same as last week)

Holmes:

- Codling Moth - 1.0 (down from 1.2)
- Apple Maggot - (Sum of 3, no lure) - 0 (same as last week)

Medina:

- Codling Moth - 1.2 (up from 1.0)
- Apple Maggot - (Sum of 3, no lure) - 0 (same as last week)

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