

Ohio Fruit ICM News

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In This Issue

Calendar

Comments from the Editor

Coming Events

Growing Degree Days Across Ohio

Fruit Observations and Trap Reports

Preliminary Monthly Climatologic Data for Selected Ohio Locations

Ohio Poison Control Phone Number

Calendar - Newly added in *Bold*

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 <http://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

The problem with the GDD calculator at Columbus has been fixed and the data is up to date. This just illustrates that while it is good to have other sources of information, you should be tracking growing degree days and scouting for pests in your own plantings.

Blackberry picking is winding down. Dr. Clark's (University of Arkansas) 5 new selections of primocane blackberries are establishing well. It will be interesting to see how these compare to Prime-Jan and Primed Jim. We will be applying an additional shot of fertilizers to our matted row strawberries between now and mid-September and will be deciding on an herbicide program. If you have matted row strawberries this should be on your calendar. Don't forget to check the 2006 Spray Guide for recommendations.

Indiana Crop Conditions

Gala harvest is underway in southern areas and should start in about 10 days in more northerly areas. Blueberry and blackberry harvest is winding down. Grape harvest is getting started in the southern part of the state.

Collar Rot of Apples by Dr. Janna Beckerman, Dept. of Botany and Plant Pathology
(Source: Facts for Fancy Fruit 06-08)

Now is a good time to scout trees for the above-ground symptoms of collar rot. Look for sparsely leafed trees with premature leaf reddening (this is especially true on Golden); Fruit tends to be heavily produced, but small and highly colored on red-fruited varieties. Key diagnostic symptoms require examining the crown or collar (this may be done after scraping away the soil to reveal dying and dead bark). Tissue beneath the bark will be red-orange-brown, becoming dark brown instead of a healthy white. A distinct margin may separate healthy from infected tissues. Fire blight symptoms may be similar when confined to the rootstock. Keep in mind that these above ground symptoms may be caused by a number of factors, e.g., Stem-girdling roots, animal injury, root damage, etc. However, trees that show the above-described symptoms and also have a canker at or just below ground level are likely infected with collar rot. I really hate recommending rootstocks, since there are a number of *Phytophthora* species that cause root, crown, and collar rot. Without knowing what species of *Phytophthora* you have (this requires laboratory diagnosis) it is difficult to make any absolute statements about the relative susceptibility of different rootstocks to these diseases. Some specialists swear that they've never seen collar rot on B. 9. I think this is the same as taunting...

Several fungicides are registered for *Phytophthora* root diseases, but their success pales in comparison to good site preparation and the use of rootstocks adapted to the intended orchard site (this is code for finding out what *Phytophthora* you have!). Chemicals should be used as a preventative measure, and it's important to remember that it's

practically impossible to eradicate the pathogen from the roots after infection is established. If collar rot is suspected, you can still apply Aliette (2.5 to 5 lb/A.) or Agri-Fos (at 1.25 to 2.5 qt/A) to the point of run off. Do not apply Aliette within 14 days of harvest or with copper products. Do not apply either product within 2-3 weeks of leaf color change as the chemical will not be translocated from the leaves to the roots. Ridomil 2E can be applied in the fall after harvest but before the ground freezes. With all of these fungicides, be sure to treat surrounding "healthy"- appearing trees, not just trees already showing severe symptoms of collar rot.

Growing Degree Days Across Ohio - Data through August 17, 2006 from OSU Phenology Garden Network (not all locations) [OSU Phenology Garden Network](#)

OSU South Centers Piketon	2582
Wilmington	2552
Chillicothe	2517
Athens	2500
Marietta	2488
Washington Court House	2471
Xenia	2453
Mt. Sterling	2382
Columbus	2346
Newark	2325
Delaware	2307
Findlay	2254
Toledo	2233
Coshocton	2216
Mansfield	2192
Wooster	2190
Canton	2187
Norwalk	2183
Shinrock	2168
Stow	2147
Canfield	2137
Cortland	2056
Willoughby	2049
Kingsville	1943

Coming Events -Art Agnello SCAFFOLDS Fruit Journal, Volume 15, No. 22

COMING EVENTS Ranges (Normal +/- Std Dev):	43F	50F
Apple maggot flight subsides	2772-3374	1908-2368
Lesser appleworm 2nd flight peak	2197-3259	1473-2263
Obliquebanded leafroller 2nd flight peak	2620-3016	1784-2108
Oriental fruit moth 3rd flight peak	2641-3249	1821-2257
Redbanded leafroller 3rd flight peak	2746-3206	1881-2327
San Jose scale 2nd flight subsides	2639-3349	1785-2371
Spotted tentiform leafminer 3rd flight peak	2599-3045	1775-2121

Fruit Observations and Trap Reports Reports for Columbus are posted at least once per week at <http://bugs.osu.edu/welty/tree-traps.html> Erie County trap reports can be found at: <http://erie.osu.edu/north-central-fruit-integrated-pest-management-program>

Site: Waterman Lab Apple Orchards, Columbus

Dates: 8/10/06 to 8/16/06

Pests: Redbanded leafroller: 54 (down from 97 last week)
Spotted tentiform leafminer: 253 (up from 137 last week)
San José scale: 7 (down from 16 last week)
Codling moth (mean of 3): 7.3 (down from 11 last week)
Lesser appleworm: 6 (down from 21 last week)
Tufted apple budmoth: 17 (down from 32 last week)
Variegated leafroller: 4 (down from 17 last week)
Obliquebanded leafroller: 13 (down from 28 last week)
Apple maggot (mean of 3): 1.3 (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)

Dates - 8/14/06 and 8/15/06

Apples

Redbanded leafroller - 3.3 (down from 7.2)
Oriental Fruit Moth - 3.1 (up from 1.4)
San Jose Scale - 60 (down from 207)
Codling Moth (mean of 3) - 3.8 (down from 7.3)
Apple Maggot (sum of 3) - 1.5 (down from 1.6)

Peaches

Redbanded leafroller - 4.0 (up from 3.3)
Oriental Fruit Moth - 7.0 (down from 11.0)
Lesser peachtree borer - 14.0 (down from 21.0)
Peachtree borer - 4.7 (down from 8.7)

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

Date - 8/14/06

Apples

Spotted tentiform leafminer - 272 (down from 511)
Redbanded leafroller - 14.0 (down from 30.0)
Oriental Fruit Moth - 11.0 (up from 3.6)
San Jose Scale - 0 (same as last week)
Codling Moth (mean of 3) - 1.7 (up from 1.1)
Lesser appleworm - 4.9 (down from 9.0)
Apple maggot (sum of 3) - 0 (same as last week)

Peaches

Redbanded leafroller - 20.3 (down from 33.7)
Oriental Fruit Moth - 0.1 (down from 0.7)
Lesser peachtree borer - 11.3 (down from 13.3)
Peachtree borer - 0.8 (down from 2.0)

Site: Holmes, Medina, and Wayne Counties

Ron Becker, IPM Program Assistant

Date: 8/10/2006

Sooty mold and fly speck are showing up in unsprayed apples. European red mites increased to threshold levels in several blocks. Downy mildew and anthracnose are showing up in unsprayed grape plantings.

Wayne:

Codling Moth - 8.9 (down from 10.5)

Apple Maggot - (Sum of 3, with apple essence lure) - .3 (up from 0)

Holmes:

Codling Moth - 2.1 (up from 1.0)

Apple Maggot - (Sum of 3, no lure) - 0 (same as last week)

Medina:

Codling Moth - 1.5 (up from 1.2)

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