

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>

Volume 12 (9)

May 8, 2008

In This Issue

Comments from the Editor
Orchard Insect Pest Watch and Insecticide Update
Fruit Observations and Trap Reports
Pest Development
2008 OPGMA Summer Tour & Field Day
NASGA Summer Tour of Ohio
The Ohio State University 2008 Field Days
Calendar
Ohio Poison Control Phone Number

Comments from the Editor

I received the following from John Holmes, CAE, Executive Director of OPGMA...

“Regrettably, I must share news of John Graf’s death. He has had bouts of illness over the last several years and finally succumbed last night. John is the father of OFA board member Lisa Graf and a stalwart supporter of both Ohio’s flower and produce industries through the family business, Graf Growers, in Akron, OH. He played a positive role in the creation of the Ohio Produce Growers & Marketers Association (OPGMA), and served as the current chair of the Ohio Vegetable & Small Fruit Research & Development Program (OVSFRDP). I enjoyed working with John over the past year or so and know he will be sorely missed by all.”

I first met John when I moved to Ohio and attended a research meeting. I appreciated John’s openness and friendliness. He will be missed and our thoughts and prayers are with his family.

We are picking strawberries in our high tunnel. Fruit quality is very good. Our blueberry planting of ‘Blueray’ is at petal fall. Our research crew completed planting our new wine grape trial this week and we expect this to be an excellent addition to our research trials and a great benefit for the growers in Ohio.

Orchard Insect Pest Watch and Insecticide Update by Dr. Celeste Welty, Entomologist, OSUE

At our research apple orchard at Columbus, the first codling moth of the year was caught in a pheromone trap on 5 May. We have not yet caught enough moths to determine a biofix date for codling moth, but it is likely to be within the next week. Up near Lake Erie, Lois reports that codling moths were not yet caught this week but oriental fruit moths were being caught, with 5 May the likely biofix date.

Altacor is a new insecticide that received federal registration on May 1. Altacor is used to control caterpillar pests on pome fruit, stone fruit, grapes, and potato. The registrant (DuPont) is now pursuing State labels. Altacor contains the active ingredient Rynaxypyr®, also known as chlorantraniliprole. The same active ingredient for use on vegetable crops was registered at the same time under the trade name Coragen. Target fruit pests include codling moth, oriental fruit moth, leafrollers, and grape berry moth. The pre-harvest interval is 14 days for pome fruit, grapes, and potato, and 10 days for stone fruit. The re-entry interval is 4 hours. Altacor is formulated as a 35% water dispersible granule. For resistance management purposes, Altacor is in group 28, which is a new chemical group called the anthranilic diamides. Altacor is an excellent alternative to organophosphates at locations where OP resistance has developed. Altacor is a reduced-risk product due to its low toxicity to mammals, fish, and birds. In our Ohio apple trials in 2007 and 2006, Altacor provided excellent control of codling moth. On apples, it should be applied prior to codling moth egg hatch (by 250 degree days after biofix), and it provides 10 to 17 days of protection.

Intrepid: Registration of Intrepid 2F has been expanded to include highbush blueberries, for control of cherry fruitworm, cranberry fruitworm, leafrollers, gypsy moth, and other caterpillar pests. The pre-harvest interval is 7 days. Intrepid is an insect growth regulator made by Dow AgroSciences.

Onager miticide: The same active ingredient (hexythiazox) that is in Savey 50DF is in Onager EC. Both are made by Gowan Company. Onager has been marketed in the western USA and is now going to be marketed in the eastern USA. The Onager formulation is easy to measure and the cost will be more economical than Savey.

Leverage: Leverage is a mix of two active ingredients, imidacloprid (which is in Provado) and cyfluthrin (which is in Baythroid, a pyrethroid). Leverage has been registered for use on potatoes and cotton for several years, but its label was recently expanded to include pome fruit, stone fruit, and grapes. Leverage controls a broad range of pests, including sucking pests such as leafhoppers, aphids, and San Jose scale crawlers, as well as chewing pests such as codling moth, oriental fruit moth, plum curculio, and Japanese beetle. Leverage is made by Bayer and has a pre-harvest interval of 7 days for pome and stone fruit, and 28 days for grapes

Assail: Berries were added to the Assail 30SG label in January. At low rates, Assail controls aphids, leafhoppers, and spittlebug. At higher rates, it controls Japanese beetle,

plant bugs, sap beetles, thrips, whiteflies, fruitworms, and blueberry maggot. The pre-harvest interval is one day for strawberries, raspberries, blackberries, and blueberries, as well as other crops in the berry crop groups.

Fruit Observations and Trap Reports

Site: Waterman Lab Apple Orchards, Columbus

Dates: 5/1/08 (bloom) to 5/7/08 (petal fall)

Pests:

Redbanded leafroller:	2
Spotted tentiform leafminer:	5
San Jose Scale (mean of 2):	1.5
Codling moth (mean of 3):	1.3
Codling moth DA/combo:	0
Lesser appleworm (mean of 2):	0
Tufted apple budmoth:	0
Variegated leafroller:	set
Oblique-banded leafroller:	set

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

GDD accumulations in Ohio range from the mid-200's in the northern Ohio to mid-400's's in southern Ohio as of May 7.

Growing Degree Day Ranges Base Temp.50F (Normal +/- Std Dev)	
Lesser appleworm 1st catch	108-292
Spotted tentiform leafminer 1 st flight peak	113-209
American plum borer 1st catch	140-280
Mirid bugs 1st hatch	163-239
Spotted tentiform leafminer sap-feeders present	165-317
McIntosh at bloom	170-220
San Jose scale 1st catch	186-324
Lesser appleworm 1st flight peak	189-387
Eastern Redbud First bloom	191
European red mite 1st summer eggs present	237-309
Mirid bugs 90% hatch	240-322
Mirid bugs hatch complete	252-350
Plum curculio oviposition scars present	256-310
Flowering Dogwood first bloom	263
Pear psylla hardshells present	271-361
American plum borer peak catch	279-495
Common lilac full bloom	315
San Jose scale 1st flight peak	319-413
Redbanded leafroller 1st flight subsides	321-561

Codling moth 1st flight peak	325-581
Obliquebanded leafroller pupae present	328-482
Spotted tentiform leafminer 1st flight subsides	353-565
Rose leafhopper adults on multiflora rose	366-498
Lesser peach tree borer adult emergence	372
Black cherry fruit fly 1st catch	380-576

2008 OPGMA Summer Tour & Field Day

This year's Ohio Produce Growers & Marketers Association (OPGMA) Summer Tour & Field Day, Wednesday, June 25, will focus on research being done at OARDC in Wooster. This half-day event will provide abundant networking opportunities with attendees and industry experts.

The event begins at 8 a.m. at the Fisher Auditorium where leading allied vendors will be on hand to demonstrate their newest equipment, packaging, chemicals, seeds, and services. In addition, there will be MarketMaker demonstrations and a diagnostic clinic by The Ohio State University vegetable and fruit disease, insect, and weed management specialists. They will help you diagnose plant diseases and identify insect and weed pests, so bring your samples and questions!

Participants will visit three of OARDC's campus farms:

Hort 1 High Tunnels:

This will focus on tomato production. Dr. Matt Kleinhenz will speak on Tomato Grafting: Its Potential and Status, explaining the basics of grafting and how the increasingly popular technique could benefit tomato producers. In the second presentation, Dr. Sally Miller will discuss organic disease management of tomatoes produced in high tunnels. She will offer ways to control diseases such as botrytis, leaf mold, and white mold using compost amendments, biofumigants, and foliar-applied products.

Snyder Farm Orchard: Fruit production will be the focus, with a presentation on beekeeping and a chance to evaluate an ongoing apple fungicide trial. Dr. Jim Tew will discuss the challenges facing Ohio's beekeepers and information about the need for more bee colonies in Ohio. Afterward, Dr. Mike Ellis will explain the experimental use of dormant applications of the phosphite fungicide AGRI-FOS and the bark-penetrating adjuvant Penra Bark for controlling early season apple scab without the use of additional fungicides.

Snyder Farm High Tunnels: Features a presentation on Polyculture System for Use by the Small Urban Farmer. Joe Kovach will show the optimal layout in terms of economics, pest density, and efficiency of a polyculture system for small urban farmers of perennial

fruit crops such as apples, peaches, blueberries, raspberries, and strawberries as well as annual plantings of tomatoes, beans, soybeans, and other crops.

Following the tour at OARDC, lunch and a brief OPGMA session will be held. Attendees may then drive to and tour [Secret Arboretum](#).

Registration is \$25 for the 1st company attendee, and \$10 for each additional attendee. Deadline for Discount Pricing June 18. After June 18 registration increases \$5. Lunch is available for \$9 per person. After June 18 lunch increases to \$12

To register online, [click here](#). If you prefer to register by fax or mail, download a registration form, [here](#). Fax completed forms to 614-487-1216, or mail completed form to OPGMA, 2130 Stella Court, Columbus, Ohio, 43215.

Looking for hotel accommodations? Try the Hilton Garden Inn in Wooster. Call 330-202-7701 or [reserve online](#).

NASGA Summer Tour of Ohio

Day One - Aug 20, 2008

7:30 to 8:00 - Travel to Doran's Farm Market, New Albany, OH

8:00 to 9:00 - Tour Doran's, The Doran's have a farm market and grow Strawberries and various vegetables

9:00 to 10:15 -Travel to [The Blueberry Patch](#), Lexington, OH

10:15 to 11:15 -Tour The Blueberry Patch. Ohio's largest blueberry farm with 18 acres along with fall raspberries. They also have a café, a greenhouse and nursery where blueberries are propagated

11:15 to 12:00 - Travel to Blooming Grove Produce Auction, Shiloh, OH

12:00 to 12:30 - Tour Blooming Grove Produce Auction. An Amish/Mennonite produce auction.

12:30 to 1:00 - Travel to Muck Crops Branch OARDC, Willard, OH

1:00 to 2:00 -Lunch at Muck Crops

2:00 to 3:00 -Tour Holthouse Farms, Willard, OH. A grower of salad vegetables in the muck ground of "celeryville".

3:00 to 4:00 -Travel to [Polter's Berry Farm](#), Fremont, OH

4:00 to 6:00 -Tour Polter's. The Polter's have 13 acres of strawberries, five of which are grown on plastic, the rest in matted row. They also grow blueberries, raspberries, pumpkins, pickles, peppers, and cabbage.

6:00 to 7:00 - Dinner at Polter's

7:00 to 9:30 Return to Hotel
Day Two August 21, 2008

7:30 to 8:00 -Travel to [Jacquemin Farms](#), Dublin, OH

8:00 to 9:00 -Tour Jacquemin Farms. Kerry Sullivan and her father Paul Jacquemin operate Jacquemin Farms where they grow strawberries and other vegetables which they sell at their farm market.

9:00 to 9:45 - Travel to [Champaign Berry Farm](#), Urbana, OH

9:45 to 11:00 - Tour Champaign Berry Farm. The Pullins family, including Mike, Cathy, Matt and Kent, grows 27 acres of raspberries and half an acre of blueberries and half an acre of blackberries.

11:00 to 11:15 -Travel to [Robert Rothchild Farm](#), Urbana, OH

11:15 to 12:45 - Tour and Lunch at Rothchilds. The family has been raising raspberries for pick-your-own operations and local markets since the late 1970s, and has won several specialty food distinction awards for raspberry preserves and other gourmet creations. We will enjoy lunch here at their café .

12:45 to 1:30 -Travel to [Fulton Farms](#), Troy, OH

1:30 to 3:00 - Tour Fulton's. NASGA past president and charter member Bill Fulton and his family operate Fulton Farms where they grow strawberries and vegetables for retail and wholesale markets.

3:00 to 4:30 Return to Hotel

The Ohio State University 2008 Field Days by Kurt Knebusch and Ken Scaife, Outlying Agricultural Research Stations, OARDC

See what's new in your field — from beef to wheat, lawns to gardens, low-stress cattle to honey bee queens — at Ohio State University's 2008 agricultural events. Ohio State University Extension and the Ohio Agricultural Research and Development Center (OARDC), both part of Ohio State's College of Food, Agricultural, and Environmental Sciences, have just announced their annual schedule of field days, workshops and other special programs:

Third Thursday of every month, Horticulture Business Training Series, OSU South Centers, 1864 Shyville Road, Piketon, admission charge.

June 19, Wheat Field Day, Northwest Agricultural Research Station, 4240 Range Line Road, Custar, free.

June 19, Northeast Ohio Lawn Care Seminar, OARDC, 1680 Madison Ave., Wooster, admission charge.

June 21, Secrest Arboretum Centennial Celebration, OARDC, 1680 Madison Ave., Wooster, free.

June 21, Hay Day and new building dedication, Eastern Agricultural Research Station, 16870 Township Road 126, Caldwell, free.

June 24, Honey Bee Open Hive Demonstration, OARDC, 1680 Madison Ave., Wooster, admission charge.

June 25, Ohio Produce Growers & Marketers Association (OPGMA) Summer Tour, OARDC (start at Fisher Auditorium), 1680 Madison Ave., Wooster, admission charge.

June 26 Honey Bee Queen Production Program, OARDC, 1680 Madison Ave., Wooster, admission charge.

July 8, Agronomy Field Day and new building dedication, Western Agricultural Research Station, 7721 S. Charleston Pike, South Charleston, free.

July 9, Great Lakes Manure Handling Expo, Molly Caren Agricultural Center, 135 State Route 38 NE, London, free.

July 12, Ohio Sheep Day, Curt and Wendy Cline Farm, 2551 Keck Road, Albany, admission charge.

July 19, Secrest Arboretum Night Insect Walk, OARDC, 1680 Madison Ave., Wooster, free.

July 20, Master Gardener Field Day, Waterman Agriculture and Natural Resources Lab, 2490 Carmack Road, Columbus, free.

July 24, Field Crops Day, Northwest Agricultural Research Station, 4240 Range Line Road, Custar, free.

July 24, Crop, Soil and Water Field Night, OSU South Centers, 1864 Shyville Road, Piketon, free.

July 29: Farm Focus Field Day, Marsh Foundation/Farm Focus Site, 1229 Lincoln

Highway, Van Wert, free. Rain date: July 31.

July 31, Cropping Systems Field Day, John E. Hirzel Sustainable Agriculture Research and Education Site, 639 S. Dunbridge Road, Bowling Green, free.

Aug. 5, Beef Cattle Marketing Alternatives Workshop, Eastern Agricultural Research Station, 16870 Township Road 126, Caldwell, free.

Aug. 6, Walking the Fields Tour, North Central Agricultural Research Station, 1165 County Road 43, Fremont, free.

Aug. 13, Ohio Turfgrass Foundation (OTF)/Ohio State Turfgrass Research Field Day, OTF Research and Education Facility, 2551 Carmack Road, Columbus, admission charge.

Aug. 14, Ohio Lawn Care Outdoor Summer Seminar, OTF Research and Education Facility, 2551 Carmack Road, Columbus, admission charge.

Aug. 14, Ohio No-till Field Day, Chris Rodabaugh Farm, 1361 Township Road 12, Dunkirk, admission charge.

Aug. 14, Horticulture Field Day, OSU South Centers, 1864 Shyville Road, Piketon, admission charge.

Aug. 21, Pumpkin Field Day, Western Agricultural Research Station, 7721 S. Charleston Pike, South Charleston, admission charge.

Aug. 28, Organic Food and Farming Education and Research (OFFER) Program Field Day, OARDC, West Badger Farm, County Road 44, Wooster, free.

Sept. 16-18, Farm Science Review, Molly Caren Agricultural Center, 135 State Route 38 NE, London, admission charge.

Sept. 20, Low-stress Cattle Handling Field Day, Jackson Agricultural Research Station, 019 Standpipe Road, Jackson, admission charge.

Oct. 4, Autumn Discovery Day, OARDC, 1680 Madison Ave., Wooster, free.

Oct. 20-22, Cattle Artificial Insemination School, Eastern Agricultural Research Station, 16870 Township Road 126, Caldwell, admission charge.

For times, maps, directions and other details, call (330) 263-3780 or go to http://oardc.osu.edu/field_day_schedule.asp.

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

May 24, Ohio Pawpaw Grower's Association Annual Spring Workshop and Meeting, 351 Hale Rd. Wilmington. Registration is \$12 for OPGA members and \$15 for nonmembers. Registration fee includes lunch and a potted "u"-graft pawpaw. For more information contact Richard Glaser at phone 937-382-5960 or glaser1971@earthlink.net

June 18, Grape and Wine Clinic, Rainbow Hills Vineyards, Newcomerstown. 5:30 - 8 p.m Registration: \$20 (includes dinner at Rainbow Hills and resource materials). Space is limited.. Visit coshocton.osu.edu to download a registration form or call Marissa Mullett, Extension Educator at 740-622-2265.

June 22-25, International Fruit Tree Association summer tour. South Carolina and North Carolina. For more information: <http://www.ifruittree.org/>

June 25, OPGMA Summer Tour and Field Day, Wooster. The June 18 pre-registration price is \$25 for the first company attendee; \$10 for each additional attendee. Lunch is an additional \$9. For additional information about the tour or registering, visit www.opgma.org, e-mail opgma@ofa.org, or call 614-487-1117

August 20-21, NASGA Summer Tour. Based out of Columbus, Ohio. For more information contact Kevin Schooley kconsult@allstream.net Telephone (Canada) 613 258-4587. The hotel will be the Drury Inn and Convention Center <http://www.druryhotels.com/properties/columbuscvc.cfm>

August 21-22, Apple Crop Outlook and Marketing Conference, Chicago. In addition to the annual crop projections (from both USDA and USApple), the conference will feature presentations from several consumer marketing experts, roundtable discussions, networking opportunities and awards presentations. Online registration at www.usapple.org <<http://www.usapple.org>> begins May 15.

2009

Jan. 5-6, Kentucky Fruit & Vegetable Conference & Trade Show, Embassy Suites Hotel, Lexington, KY. For more information contact John Strang at phone 859-257-5685 or email: jstrang@uky.edu

January 12-14, OPGMA Congress, The Nia Center at the Kalahari Resort Sandusky, Ohio

Jan 19-21, Indiana Horticultural Congress, Adam's Mark Hotel, Indianapolis.

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