

Ohio Fruit ICM News

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Comments from the Editor

If things are slowing down for you, take some time and read through your spray guides and pest management handbooks. Don't forget to take a look at your pesticide labels as well and make sure your records are up to date. I've talked to growers, and so have some of our Extension Educators, that have run into trouble because they forgot to read the labels or guides and made decisions based on what they remembered or heard from another grower. The older I get the less I depend on my memory. Even if you do something all the time, it never hurts to sit down occasionally and make sure you are still doing things the right way.

Be on the lookout for mite problems. This hot, dry weather can lead to rapid build up in populations. We had our first pick of blueberries at the South Centers today.

A good turn time was had by all at the OPGMA Summer Tour and we had a great turn out. Thanks to our hosts, the Baumans and the Ramseyers. If you couldn't make it, this year I would encourage you to try to make it next summer.

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

6/7/07 to 6/13/07

Redbanded leafroller: 38 (down from 39 last week)
Spotted tentiform leafminer: 57 (down from 104 last week)
San José scale (mean of 2): 0 (same as last week)
Codling moth (mean of 3): 17.6 (down from 20.6 last week)
Lesser appleworm (mean of 2): 11.5 (down from 58 last week)
Tufted apple budmoth: 4(down from 5 last week)
Oblique-banded leafroller: 0(down from 5 last week)
Variegated leafroller: 0 (down from 6 last week)
Apple maggot (mean of 3): 0.6 (down from 2.3 last week)

5/31/07 to 6/6/07

Redbanded leafroller: 39 (up from 0 last week)
Spotted tentiform leafminer: 104 (down from 169 last week)
San José scale (mean of 2): 0 (same as last week)
Codling moth (mean of 3): 20.6 (down from 28.3 last week)
Lesser appleworm (mean of 2): 58(down from 136 last week)
Tufted apple budmoth: 5(down from 15 last week)
Oblique-banded leafroller: 5 (down from 18 last week)
Variegated leafroller: 6 (up from 5 last week)
Apple maggot (mean of 3): 2.3 (set 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) 6/11/07-6/12/07

Apples

Spotted tentiform leafminer 27.3 (down from 40.5)
San Jose Scale 0 (same as last week)
Redbanded leafroller 0.2 (down from 0.5)
Codling Moth (average of 3) 5.5 (down from 7.7)
Oriental Fruit Moth 9.4 (down from 26.8)

Peaches

Redbanded leafroller- 0.3 (up from 0)
Oriental Fruit Moth 3.0 (down from 5.3)
Lesser peachtree borer 29.3 (down from 36.0)
Peachtree borer 1.0 (up from 0.7)

Ted Gastier West District IPM Scout (Sandusky, Ottawa, Huron & Richland Co) 6/11/07

Apples

Spotted tentiform leafminer 701.1 (up from 59.6)
San Jose Scale 0 (same as last week)
Redbanded leafroller 0.8 (up from 0)
Codling Moth (average of 3) 2.9 (down from 3.8)

Oriental Fruit Moth 2.7 (down from 5.5)
 Lesser appleworm 18.4 (down from 20.2)

Peaches

Redbanded leafroller- 2.4 (up from 0.8)
 Oriental Fruit Moth 3.4 (down from 6.3)
 Lesser peachtree borer 12.5 (up from 0.4)
 Peachtree borer 0.3 (down from 33.7)

Ron Becker (Wayne, Holmes, Medina County) 6/15/07

Fire blight is getting worse in most blocks of apples. Scab is also being found on some of the newer leaves, indicating the continued need for fungicide applications. Aphid population were high enough in many of the blocks to warrant an insecticide application. Peaches were showing fresh insect damage on 5 -10% of the fruit. Cane berries continue to show the advancement of winter damage as the berries get closer to harvest. Blueberries are getting close to harvest.

Wayne:

Codling moth - 2.1 (down from 7.6)
 Oriental Fruit Moth - 1 (down from 11)
 Lesser peachtree borer - 2 (down from 7)
 Peachtree borer - 0 (same as last week)

Holmes:

Codling moth - 2.2 (up from 1.7)
 Oriental Fruit Moth - 5 (up from 3)
 Lesser peachtree borer - 15.5 (up from 11)
 Peachtree borer - 0 (same as last week)

Medina:

Codling moth - 1.6 (down from 2.8)
 Oriental Fruit Moth - 0 (same as last week)
 Lesser peachtree borer - 0 (down from last week)
 Peachtree borer - 0 (same as last week)

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

Growing Degree Day Ranges Base Temp.50F (Normal +/- Std Dev)

Peachtree borer 1st catch	439-841
Obliquebanded leafroller 1st catch	479-605
Spotted tentiform leafminer 2nd flight begins	560-740
Obliquebanded leafroller 1st flight peak	565-827
Lesser appleworm 1st flight subsides	570-920
Pear psylla 2nd brood nymphs hatch	584-750

San Jose scale 1st generation crawlers present	619-757
Obliquebanded leafroller summer larvae hatch	625-957
American plum borer 1st flight subsides	698-1032
Apple maggot first catch	750-1034
Redbanded leafroller 2nd flight begins	770-1070
Greater Peach tree borer adult emergence	775
Oriental fruit moth 2nd flight begins	784-1020
Codling moth 1st flight subsides	808-1252
Pandemis leafroller flight subsides	861-1053
Spotted tentiform leafminer 2nd flight peak	861-1217
Lesser appleworm 2nd flight begins	889-1305
Comstock mealybug 1st flight peak	931-1143
Redbanded leafroller 2nd flight peak	965-1353
San Jose scale 2nd flight begins	1013-1309
American plum borer 2nd flight begins	1020-1232
American plum borer 2nd flight peak	1310-1676
Spotted tentiform leafminer 2nd flight subsides	1328-1672
Codling moth 2nd flight peak	1337-1977
Rose-of-Sharon first bloom	1347
San Jose scale 2nd flight peak	1432-1790
Apple maggot flight peak	1455-1763

Insuring the Eradication of Plum Pox Virus in Southwest Michigan by Bill Shane and Mira Danilovich, Michigan State Univ. (Source: Purdue Facts for Fancy Fruit 07-05)

In July 2006, plum pox virus (PPV) was detected in a single plum tree sampled at the MSU Southwest Michigan Research and Extension Center (SWMREC) in Benton Harbor, Michigan. PPV is a serious disease of stone fruit that can cause significant yield and quality loss. PPV has been the most significant disease of stone fruit in Europe for many decades and was detected for the first time in Pennsylvania in 1999, Ontario in 2000 and in New York and Michigan in 2006. The Michigan Department of Agriculture (MDA) has worked very intensively since that time to test the Prunus trees at risk at this and other Michigan locations. After testing more than 50,000 samples in late summer, no new “positives” were found in Michigan.

Under order of the Michigan Department of Agriculture and with the guidance of the United State Department of Agriculture, SWMREC is eradicating all peach, plum, nectarine and apricot trees (approximately 13,000 trees) within 500 meters of the block that once contained the PPV contaminated plum tree. Plum pox virus strain D, the type

detected at SWMREC, will not infect cherry, but can infect several other *Prunus* species such as dwarf flowering almond (*P. glandulosa*), black thorn (*P. spinosa*), and Japanese flowering cherry (*Prunus serrulata*), among others. The 500 meter eradication order issued by the MDA is similar to action taken in Pennsylvania to deal with a much larger plum pox virus contamination problem. Because plum pox virus is a disease that is slow to show symptoms, the extensive eradication zone around a detection site is necessary to eliminate the possibility of latent infections. The 500 meter eradication zone is part of a larger quarantine zone of approximately a two-mile radius and a larger nursery stock regulated area of 7.15 mile (11.5 km) radius around the positive plum pox virus site.

The quarantine will be cancelled when sampling of all susceptible fruit bearing and ornamental trees in the quarantine zone is negative for plum pox virus for three consecutive years. In the interim, much of the activity of the MSU peach breeding program, including establishment of new nurseries, will be moved to the MSU Trevor Nichols Research Complex near Fennville, Michigan.

As of June 4, 2007, 18 acres of peaches, nectarines, plums and apricots have been uprooted at SWMREC, ending with the eventual removal of all 24 acres of these fruit types. With the help of a Project GREEN grant and support of the Michigan Peach Sponsors, high value peach selections from the MSU peach breeding program have been sent to the North Region Special Project 5 (NRSP5) virus-testing facility of Washington State University in Prosser, WA. The extensive testing at Prosser with ELISA, PCR and indicator species will insure that these peach lines are clean.

Area Affected by Rainfall Deficits Expanding Across the Middle Ohio Valley (Source: NWS hydrologic outlook, June 12, 2007)

Areas already affected by well below normal rainfall since Spring continue to receive very little rainfall. Most of southern Ohio, northern Kentucky, and southeast Indiana have continued the pattern of below normal rainfall. While some isolated areas have received near normal to slightly above normal rainfall, most of the region has received 50% or less, with nearly half the region receiving less than 25% of normal rainfall.

A precipitation deficit which had begun over northeast Kentucky during the late Winter has worsened and expanded into much of southern Ohio and Southeast Indiana.

Since May 1st, much of far southern Ohio had only received tenth to a quarter inch of rainfall, or just about 10-35% of normal rainfall. For the past 60 days, much of southern Ohio portions of northern Kentucky has only received about 30-40% of normal rainfall

The estimation is that much of the region that is south of interstate 70 is running from 4-6 inches below normal with much of far southern Ohio and northern Kentucky running from 7-8 inches below normal rainfall since March 1. It is estimated that southern Ohio, northern Kentucky, and southeast Indiana are running at or below 30% of normal soil moisture. At this point in time it is still too early to determine agricultural impacts, but soil moisture and streamflow levels continue to decline.

For additional information please refer to the drought monitor website:
www.drought.unl.edu/monitor/monitor.htm.

Maurus Brown at the South Centers

Maurus Brown, Assistant Professor, Ohio State University, has accepted a position as Small Fruit Crops Specialist at OSU South Centers. This new appointment at Piketon was effective June 1. Maurus was previously an Extension Educator in Richland County for over seven years providing Agriculture and Natural Resources and Community Development programs, specializing in fruit crop production. His prior position was Extension Associate for viticulture based at the OARDC in Wooster. Maurus is a native of Illinois. He earned both his Masters and PhD at the University of Arkansas before starting his career with OSU ten years ago. Maurus will lead an integrated program of applied research and Extension focused on the development of the small fruit industry across the state, which will include cultivar evaluations, production practices and economics, consumer education, agri-tourism and marketing. Maurus can be reached by phone at 740-289-2071, Ext. 123 or email at brown.989@cfaes.osu.edu

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

June 17-19, IFTA Summer Tour, Part 2, Apples, Rootstocks, Intensive Systems, Yakima, Washington. For more information see the International Tree Fruit Association website ifruittree.org, or email pheasant@ifruittree.org.

June 21, Indiana Farm Sustainability Tours- Urban Fringe Marketing, Hancock County, Ind. (317) 462-1113

June 28, OSU Extension Honey Bee Field Day, OARDC - Wooster. 3:00-8:00, Fisher Auditorium. For more information please contact: Sherry Ferrell 330-263-3684 or by email at ferrel.6@osu.edu

July 7, Viticultural Field Day, University of Kentucky Horticultural Research Farm, Lexington. 10:00 a.m. - 5:00 p.m. Registration \$25 for KVS members; \$50 non KVS members, includes lunch and KVS wine glass. Contact Kate Edwards 859-527-6635.

July 10, Western Research Station Agronomy Field Day, South Charleston, Ohio. (937) 484-1526

July 12, Sweet cherry variety showcase, International Plant Management sweet cherry test block at Fruit Acres Farms, owners Annette and Randy Bjorge, in Coloma, Michigan at 4:30 pm. For more information, call International Plant Management at 800-424-2765

July 14 -- Kentucky Nut Growers Association Summer Grafting Meeting, Don Compton's Farm, 387 W. Short St, Marengo, IN 47140; 812-365- 2278.

July 19, Crop, Soil, and Water Field Night, OSU South Centers, Piketon. For more information contact Dr. Rafiq Islam, 740-289-2071.

July 24, Farm Focus Field Day 2007, 8 a.m to 3 p.m Van Wert, Ohio. Rain date if needed- Thursday, July 26, 2007. Topics include GPS guidance and autosteering demonstrations, One pass fall tillage equipment demonstrations, OSU Entomology specialists covering corn rootworm scouting and root rating, plus other pests! There will be no charge for admission. For more information phone (419) 238-1214.

July 26, Beekeeping Workshop, OSU South Centers, Piketon. 3:00-8:00. More information to follow.

August 9, OSU South Centers Horticulture Field Night.

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.

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 or email 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.

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

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

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