

Ohio Fruit ICM News

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Comments from the Editor

Hot and humid weather continues so don't forget the irrigation and watch for disease pressure building up. Across Ohio, Growing Degree Days are ranging from approximately 1700 at Kingsville to approximately 2500 GDD at Piketon

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 8/2/07 to 8/8/07
Redbanded leafroller: 48 (up from 20 last week)
Spotted tentiform leafminer: 113 (up from 98 last week)
San José scale (mean of 2): 0 (down from 0.5 last week)
Codling moth (mean of 3): 2.6 (down from 3 last week)
Lesser appleworm (mean of 2): 3.5 (up from 0.5 last week)
Tufted apple budmoth: 7 (up from 6 last week)
Oblique-banded leafroller: 3 (same as last week)
Variegated leafroller: 10 (up from 2 last week)
Apple maggot (mean of 3): 10 (down from 17.6 last week)

Ron Becker, August 10

Red mites and two spotted spider mites are being found in both peach and apple blocks. Numbers have dropped from what they were 2 weeks ago both because of miticides being applied in some blocks and heavy rains knocking them down in others. Brown rot has started showing up in one block of peaches. New scab lesions continue to be found on both leaves and fruit in apples.

Trap reports

Wayne:

Codling Moth - 3.9 (down from 6.1)

Oriental Fruit Moth - 8 (up from 0)

Lesser peachtree borer -3(up from 1

Peachtree borer - 4 (same as last week)

Apple Maggot (unbaited,sum of 3) - 0 (same as last week)

Holmes:

Codling Moth - 3.0 (down from 6.3)

Oriental Fruit Moth - 1.5(down from 4.0)

Lesser peachtree borer - 12 (up from 7)

Peachtree borer - 3 (down from 5)

Apple Maggot (unbaited, sum of 3) - 1.0 (down from 6.67)

Medina:

Codling Moth -.83 (down from 2.1)

Oriental Fruit Moth - 0 (same as last week)

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 week0)

Ron Becker August 3

Rains on July 27th and 28th washed many of the red mites and 2 spotted spider mites out of the fruit trees, though some are starting to become reinfested. When scouting the Holmes County orchards towards the end of the week, red ball traps indicated a large increase in apple maggot adults over last week, with several blocks going over threshold. The main problems found in peaches this week were Japanese beetles feeding on ripening fruit and the appearance of brown rot.

Wayne:

Codling Moth - 6.1 (up from 4.5)

Oriental Fruit Moth - 0 (down from 4)

Lesser peachtree borer -1 (down from 2

Peachtree borer - 4 (same as last week)

Apple maggot (unbaited, sum of 3) - 0 (same as last week)

Holmes:

Codling Moth - 6.3 (up from 2.1)

Oriental Fruit Moth - 4.0(up from 3.5)

Lesser peachtree borer - 7 (up from 1)

Peachtree borer - 5 (up from 2.0)

Apple maggot (unbaited, sum of 3) - 6.67 (up from .67)

Medina:

Codling Moth -2.1 (up from 1.16)
Oriental Fruit Moth - 0 (same as last week)
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 week0)

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) 8/06/07-8/07/07

Apples

Spotted tentiform leafminer 315 (up from 88.5)
San Jose Scale 39.6 (down from 52.5)
Redbanded leafroller 5.6 (up from 2.1)
Codling Moth (average of 3) 5.0 (down from 5.6)
Oriental Fruit Moth 8.2 (down from 15.1)
Apple Maggot (sum of 3) 9.6 (up from 9.2)

Peaches

Redbanded leafroller- 3.5 (up from 1.0)
Oriental Fruit Moth 2.5 (down from 19.3)
Lesser peachtree borer 10.0 (up from 2.7)
Peachtree borer 2.0 (down from 9.0)

Ted Gastier West District IPM Scout (Sandusky, Ottawa, Huron & Richland Co.) 8/06

Apples

Spotted tentiform leafminer 523 (down from 579)
San Jose Scale 50.0 (up from 0)
Redbanded leafroller 30.5 (up from 15.9)
Codling Moth (average of 3) 4.0 (up from 2.6)
Oriental Fruit Moth 4.7 (up from 4.5)
Lesser appleworm 19.6 (up from 11.7)
Apple Maggot (sum of 3) 0 (same as last week)

Peaches

Redbanded leafroller- 17.7 (up from 5.4)
Oriental Fruit Moth 4.4 (down from 5.9)
Lesser peachtree borer 7.1 (up from 4.0)
Peachtree borer 3.4 (down from 3.8)

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 subsides	2142-2422
American plum borer 2nd flight subsides	2184-2544
Spotted tentiform leafminer 3rd flight subsides	2246-2432

Food Safety in the Berry Patch by Sanja Ilic and Jeff LeJeune - Food Animal Health Research Program, Doug Doohan - OSU Dept of Horticulture & Crop Science

Pick-your-own berry operations are becoming increasingly popular, offering growers an additional market outlet and allowing folks of all ages to tour agricultural areas, experience life on the farm and enjoy fresh, locally grown fruit.

Strawberries, raspberries, blueberries, blackberries and other small fruits are also full of vitamins, fiber and compounds such as anthocyanins and ellagic acid—which several studies, including some by Ohio State University researchers, have found to be powerful cancer-fighters.

In spite of their multiple benefits, fresh fruits and vegetables have been recently linked to several cases of foodborne illnesses involving dangerous bacteria and parasites.

When families visit the berry patch for a fun u-pick experience, the last thing you want to have happen is for them to pick dangerous germs instead. To make that experience a safe one, food safety experts with Ohio State University Extension and the Ohio Agricultural Research and Development Center recommend customers follow some basic hygiene and

food-handling principles while at the farm, during the trip back home, and in their kitchen.

Simple Tips for Safe Harvesting and Enjoyment of Pick-Your-Own Berries

1. It may sound simple, but washing your hands and making sure the little ones do the same thing is one of the most effective ways to prevent food contamination.

Wash your hands:

When

- Before picking fruit.
- After every visit to the bathroom.
- After a break or meal.
- After hand-to-face contact (e.g., coughing, sneezing, blowing nose).
- After handling any materials other than the berries.

How

- Use proper hand-washing techniques.
- Wet hands, lather soap for 20 seconds (sing “Happy Birthday” twice).
- Scrub well (especially fingernails and knuckles); use fingernail brushes if available.
- Rinse.
- Dry hands and wrists with paper towel.

If there is no water?

- Use hand wipes to remove soil.
- Use hand sanitizer.

2. Use bathroom facilities while in the u-pick operation.
3. Do not pick berries that have fallen on the ground.
4. Place picked berries into clean containers.
5. Do not bring pets to the farm.
6. Remain in the designated picking area.
7. Dispose of garbage in trash bin provided.

After picking (during transportation)

When bringing the berries you picked home, it is important not to break the cold chain. Even though you may see un-refrigerated berries in the supermarket, fresh fruit has to be kept cold. Follow these tips: bring a cooler with ice packs with you, cool your berries as soon as possible, do not drive around with un-refrigerated berries for more than two hours.

At home (preparation)

Many case of foodborne illnesses result from mishandling food at home. The same applies to fresh fruit. Keep the following in mind upon returning from the berry patch: wash berries thoroughly before storing them in the refrigerator, always refrigerate berries, prevent cross-contamination of berries (and other fresh produce that will not be cooked) from potentially contaminated foods such as raw ground beef.

Nutrition facts

Remember, berries are a great choice to meet the recommended daily servings of fruits and vegetables and maintain good overall health. For example, a cup of sliced fresh strawberries (one serving, 166 grams), has 50 calories, one gram of protein, 11.65 grams of carbohydrates, 3.81 grams of dietary fiber, 23.24 grams of calcium, 0.63 mg of iron, 16.60 mg of magnesium, 31.54 mg of phosphorus, 44.82 mg of potassium, 1.16 mg of selenium, 94.12 mg of vitamin C, 29.38 mcg of folate, and 44.82 IU of vitamin A.

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

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.

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.

November 11-13, 2007-- Southeast Strawberry Expo, at the Sheraton Imperial Hotel, Research Triangle Park (Durham), North Carolina. New Grower workshop and farm tour on November 11; trade show and educational sessions on

November 12-13. For more information, email ncstrawberry@mindspring.com, call 919-542-3687, or visit www.ncstrawberry.com.

December 4-6, Great Lakes Fruit, Vegetable and Farm Market EXPO, DeVos Place, Grand Rapids, MI, for more information 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

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

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