

Ohio Fruit ICM News

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Comments from the Editor

I encourage you to check out this weather radio recall notice. If you don't have a weather radio, consider it a wise investment for you and your operation. They are inexpensive enough and better safe than sorry as they say.

Plasticulture strawberries are mostly planted other than our late planting date treatment here at Piketon. We are still picking primocane blackberries and red raspberries. Our trial of the new primocane black raspberry did not show as much promise this year as we had hoped initially. The planting suffered with verticillium wilt a disease caused by a soil-borne fungus. We hope to get more plants and try a different location. I will let you know what other researchers have observed in the future.

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 9/06/07 to 9/12/07

Redbanded leafroller:	12 (down from 17 last week)
Spotted tentiform leafminer:	17 (down from 132 last week)
San José scale (mean of 2):	5 (down from 9.5 last week)
Codling moth (mean of 3):	0 (same as last week)
Lesser appleworm (mean of 2):	0 (down from 2.5 last week)
Tufted apple budmoth:	2 (up from 1 last week)
Oblique-banded leafroller:	4 (same as last week)
Variegated leafroller:	4 (down from 6 last week)
Apple maggot (mean of 3):	3 (down from 4 last week)

Weather Radios Recalled by Oregon Scientific Due to Failure to Receive National Weather Service Alerts

WASHINGTON, D.C. - The U.S. Consumer Product Safety Commission, in cooperation with the firm named below, today announced a voluntary recall of the following consumer product. Consumers should stop using recalled products immediately unless otherwise instructed.

Name of Product: Oregon Scientific Weather Radios

Manufacturer: Oregon Scientific Inc., of Tualatin, Ore.

Hazard: The radios could fail to receive National Weather Service alert signals in certain areas of the country. In the event of severe weather, this failure could put a consumer's life and property at risk.

Description: This recall involves the following Weather Radios and Weather Stations:

NAME	MODEL
All Hazards Portable Weather Alert Radio	WR103NX
Portable Public Alert Radio	WR108
Public Alert Weather Station	WRB308
John Deere Public Alert Weather Station	WRB308J

No other models are included in this recall.

Sold at: Retail stores nationwide, including some electronics and sporting goods stores, online retailers and in catalogs from December 2005 through June 2007 for between \$30 and \$150.

Manufactured in: China

Remedy: Consumers should not rely on the recalled weather radios to receive emergency information. Consumers should contact Oregon Scientific for instructions on returning the radio to receive a free replacement.

Consumer Contact: For additional information, contact Oregon Scientific at (800) 203-4921 between 8 a.m. and 5 p.m. PT Monday through Friday or visit the firm's Web site at www2.oregonscientific.com

Apple Harvest Update Southeast Michigan by Bob Tritten District Extension Fruit Educator

APPLE HARVEST SUMMARY

Apple varieties across southeast Michigan are not ripening in their normal sequence this year, and most growers have “gone slow” on harvest over the last week as they had been waiting for several varieties to ripen. With cool temperatures late last week and over the weekend, fruit color has improved dramatically over the last week. Many areas of southeast Michigan received a light to scattered frost on Sunday morning (9/16).

Honeycrisp were picked for the final time across the region early this week. Jonathan are ready for harvest at this time. The next group of varieties that will be maturing will be Empire and Jonagold, which are nearly ready for harvest, but not quite there yet. In last week’s report I said from a preliminary sample that it appeared that Golden’s would be harvested behind Red Delicious this year, however in testing done this week it indeed appears that Golden’s will be ready before Red Delicious. Even though the predicted harvest date for Red Delicious is today for Flint (9/19) and 9/22 for Deerfield, I don’t feel that they are ready for harvest at this time. I continue to sample Crispin, and they are not ready for harvest at this time either. I did a “first time” sample of Idared, Northern Spy and Fuji. Even though the sample size for Fuji is limited to one sample, I was very surprised at how far long this variety is. Remember that there is quite a spread in maturity on individual trees this year, due to the fact that much of our fruit this season is born on one year old wood. Thus, you will have a few fruit that are very ripe that were born on two year older wood. However the fruit growing on one year old wood will be less mature.

Variety	Color (Range)	Firmness (Range)	Starch (Range)	Brix
Empire	82% (69-88%)	16.0 lbs (14.3-16.8)	3.4 (2.0-5.0)	11.8%
Cortland	86% (61-99%)	15.4 lbs (14.7-16.7)	2.7 (1.1-4.5)	12.8%
Jonagold	57% (36-77%)	15.7 lbs (15.2-16.1)	3.6 (2.3-4.8)	13.2%
Jonathan	76% (54-98%)	14.8 lbs (14.1-15.4)	5.2 (4.9-5.5)	13.3%
Golden Delicious	5% (0-11%)	17.4 lbs (15.9-19.3)	2.7 (2.0-3.4)	14.3%
Crispin	6% (3-18%)	18.8 lbs (16.2-20.2)	1.7 (1.4-2.0)	12.1%
Red Delicious	94% (79-100%)	16.3 lbs (14.7-18.0)	2.1 (1.0-3.3)	11.5%
Idared	69% (36-92%)	15.4 lbs (14.8-16.2)	1.3 (1.0-1.9)	11.7%
Northern Spy	35% (6-63%)	19.6 lbs (19.3-19.8)	2.1 (1.1-3.0)	11.2%
Fuji	56% (29-85%)	17.0 lbs (14.7-18.4)	3.0 (2.0-4.0)	11.4%

INDIVIDUAL VARIETY RESULTS

Empire were sampled for the third week of the season, and all indications are that the variety is moving along slowly this year. There are producing a bit more internal ethylene than last week, and the color has improved greatly from 70% last week to 82% this week. The firmness has dropped from 17.1 lbs last week to 16.0 lbs this week and the starch index has moved from 2.5 last week to 3.4 this week. The brix has remained

about the same at 11.8%. All these indices point to the fact that while Empire are moving along toward harvest, that they are not quite ready yet. I would say that growers could be spot picking on earlier sites right now, and begin harvest in earnest on Empire late this week or over the weekend.

Cortland were sampled for the third time this season, with most samples being the Redcort strain. Internal ethylene levels have jumped to 57% showing greater than 0.2 parts per million (ppm), and color has moved from 67% last week to 86% this week. The pressure has dropped from 16.1 lbs last week to 15.4 lbs this week, with a starch removal index moving from 1.2 last week to 2.7 this week. The brix has remained about the same at 12.8%. While many growers are offering Cortland for pick-your-own sales, they are not quite ready for harvest at this time, based on the starch removal of 2.7.

Jonagold were sampled for the third week this season with 35% of the fruit is showing high internal ethylene levels, this is up from none last week. The color has improved dramatically from 41% last week to 57% this week. The pressure has dropped from 22.3 lbs last week to 15.7 lbs this week. This is a dramatic drop in pressure. I'm not quite certain why it has dropped so much. Starch removal has moved from 2.3 last week to 3.6 this week, with a brix of 15.2%. All these figures indicate that Jonagold are nearly ready for harvest, in fact maybe just a bit ahead of Empire.

Jonathan were sampled for the third time this season, with a bit smaller sample due to the fact that many blocks have been harvested. The color has improved from 60% last week to 76% this week. The pressure on Jonathan has also dropped from 15.6 lbs last week to 14.8 lbs this week. Starch removal is up from 4.1 last week to 5.2 this week. All these figures indicate that Jonathan are indeed ready for harvest at this time. This is another example of the order of harvest being different this year than in most years.

Golden Delicious were sampled for the second time of the season, with a much more extensive sample being taken. Color has improved a bit, and the pressure has dropped from 18.0 lbs last week to 17.4 lbs this week. The starch removal has moved from 1.3 last week to 2.7 this week, with a brix of 14.3%. These figures indicate that Golden Delicious are not quite ready for harvest at this time, I believe that early next week they will be ready.

Crispin were sampled for the second time of the season. They are starting to show internal ethylene production, and the color still remains poor at 6%. Pressure has dropped from 22.0 lbs last week to 18.8 lbs this week. Starch removal is about the same at 1.7. Crispin seem to be moving along quite slowly this year and are not ready for harvest at this time.

Red Delicious were sampled very extensively this week, and for the second time of the season. Red Delicious have colored a great deal over the last week, with 94% color, up from 75% last week. The background color has remained about the same at 2.4, with fruit firmness also remaining about the same at 16.3 lbs. The starch removal has also not changed much from last week and remains at 2.1. Brix is also unchanged at 11.5%. Red

Delicious appear to be maturing very slowly this season, and are not ready for harvest at this time.

Idared were sampled for the first time of the season. They are showing 17% internal ethylene levels with a color at 69%. The pressure is a surprisingly low at 15.4 lbs, the starch removal of 1.3. The brix tested at 11.7%. Idareds are not ready for harvest at this time, however I wanted to get an “early read” on the maturity of this variety.

Northern Spy were sampled for the first time this week. They show a surprisingly high level of internal ethylene production, at 50% greater than 0.2 ppm. The color is mediocre at 35%. The pressure is a surprisingly low 19.6 lbs, with a starch removal of 2.1. While Northern Spy are not ready for harvest at this time, I would say that they are ahead of Idared at this time and are most likely 10 days or so away from harvest.

Fuji were sampled for the first time this season, as I wanted to get an “early look” at their maturity. The color is fairly good at 56%, the pressure was a surprisingly low at 17.0 lbs, and was very surprised to see starch index of 3.0, and a brix of 11.4%. Fuji are not ready for harvest at this time, however they do bear watching very closely throughout the next week. They may be ready for harvest fairly quickly here, with more details to follow next week.

Table 1. 2007 predicted peak harvest dates.

Full bloom date				Predicted harvest date			
Station	McIntosh	Jons	Reds	McIntosh	Jons	Reds	Observer
SWMREC	4-30	5-2	5-2	8-27	9-15	9-21	Shane
Deerfield	5-5	5-6	5-8	9-1	9-15	9-22	Tritten
Flint	5-5	5-5	5-7	9-3	9-12	9-19	Tritten
Peach Ridge	5-5	5-7	5-8	9-1	9-19	9-26	Schwallier
Ludington	5-9	5-11	5-10	9-14	9-21	9-27	Danilovich
NWMHRS	5-11	5-11	5-11	9-9	9-18	9-24	Rothwell

If you have any questions regarding this Apple Maturity Harvest Update, don't hesitate to email me (tritten@msu.edu) or call (810-732-2177). If you would like this information sent to you via email instead of fax, please let me know and that can be accomplished very quickly. This same harvest information is also available on the SE Michigan Fruit Pest Management Code-A-Phone (810-732-1005).

Project Researchers – Dr. Randy Beaudry MSU Horticulture Department, and Bob Tritten. This report and project is made possible by the support of our sponsors which include Gerber Products Company, Michigan Apple Shippers Association, Valent USA, MSU Project GREEN, Michigan Apple Research Committee, Michigan State Horticultural Society, Michigan Agricultural Experiment Station, and Michigan State University Extension. The growers cooperating by supplying apples on a weekly basis in Southeast Michigan include AlMar Orchards in Flushing, Erwin Orchards in South Lyon, Hy's Cider Mill in Romeo, Spicer Orchards in Hartland, Westview Orchards in Romeo, and several others.

Southern Ohio Vegetable and Small Fruit Update 9/10-9/17/07 by Brad Bergefurd, OSU South Centers Extension Educator

The cooler weekend temperatures were a welcome relief with temperatures north of I 70 dipping into the mid to lower thirties and mid to lower 40's south of I 70, though I have heard no reports of any frost damage to crops. However, the high temperatures and drought conditions are back again for southern Ohio growing regions today with very dry conditions and highs in the lower 90's.

Pumpkin harvest is in full swing. Some growers are reporting that, due to most all corn fields totally dried down now and corn harvest in southern Ohio going on since Labor day weekend, corn rootworm beetle adults have left the corn fields and are invading the green foliage in pumpkin fields and causing feeding injury to foliage and fruit, warranting insecticide applications. Corn rootworm beetles at first glance may look like cucumber beetles however upon closer observation one will notice less distinct stripes and a mottled pale to green or yellow coloration depending on species. For more information and pictures of the corn rootworm beetle adults see the OSU fact sheet <http://ohioline.osu.edu/ent-fact/0016.html>. Fungicides treatments continue in all vine crops to stay ahead of Powdery Mildew and Downy Mildew disease pressure, which seems to have weakened some the past 2 weeks. Harvest of sweet corn, ornamental corn, cabbage, tomatoes, bell and hot peppers, watermelon, cantaloupe, beans, summer squash, and cucumbers continues. Digging of potatoes and sweet potatoes continues with good size and quality being reported.

Growers are pulling tomato stakes and twine, picking up plastic mulch, main lines and trickle tape and beginning to chisel and plow fields and working ground and planting cover crops. Due to the high market price for wheat currently, wheat seed for cover crop is in very short supply and is very hard to find. Some annual rye seed carried over from last year is available from some sources.

The increased temperatures is a welcome for growers who recently planted plasticulture strawberries in the past 10 days even though with the dry weather and lack of rainfall, trickle irrigation is a must. Growers should keep an eye out for spider mites in strawberry crops especially in the drought stricken areas that have received little if any rainfall the past 3 months. For more information on spider mites in berry crops visit http://ohioline.osu.edu/b861/pdf/ch02_42-46.pdf . Harvest of fall red raspberries continues in full swing with good demand. Some growers are reporting finding orange rust in wild brambles so remain on the lookout for this disease in black raspberry and blackberry plantings, the disease does not infect red raspberries. For more information and control measures for Orange rust in bramble crops visit Dr. Mike Ellis web site <http://www.oardc.ohio-state.edu/fruitpathology/> and visit <http://ohioline.osu.edu/hyg-fact/3000/3010.html> . There are still some growers telling me they have a few extra strawberry plug plants available for planting or replanting give me a call for more information and availability.

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

September 27, Farmer Rancher Grant Workshop, Columbus and Wooster. For more information contact OSU Extension educator Mike Hogan at (330) 627-4310, or hogan.1@osu.edu, or OSU Extension educator Alan Sundermeier at (419) 354-9050, or sundermeier.5@osu.edu.

September 27, Southeast Ohio Tree Care Conference, Athens OH. For more information see this issue or contact Ann Bonner at (740)589-9910

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 3, Midwest Apple Improvement Association Annual Meeting. Dawes Arboretum, Newark, OH. For more information contact Mitch Lynd at (740) 967-5355.

November 11-13, 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 3, USDA NC-SARE Farmer & Rancher Grant proposals deadline

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.

Jan 29-31, North American Bramble Growers Association Conference, Hershey Lodge and Convention Center, Hershey PA. For more information.

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