



# Newsletter Extension

## Fruit ICM News

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July 27, 2000

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## Calendar

**August 3: OVPGA & Ohio Fruit Growers Society Young Grower Tour**, in northeast Ohio, 8:30 a.m. to 7:30 p.m. This bus tour provides a broad variety of fruit and vegetable operations that use different marketing strategies. Tour is designed for growers 40 years of age and younger, and others are welcome if interested. Contact John Wargowsky at (614) 249-2424 or [jwargows@ofbf.org](mailto:jwargows@ofbf.org) for more information.

**August 4 - 20: The Ohio State Fair**, Columbus, OH

## Plum Pox Virus Update

*Source: Penn State College of Agricultural Science* [http://sharka.cas.psu.edu/update\\_pda\\_july7.htm](http://sharka.cas.psu.edu/update_pda_july7.htm)

Sampling of commercial stone fruit trees continued this week (July 3) in Adams, Cumberland and York counties of PA. Ten teams of PDA and temporary duty USDA personnel collected leaf tissue at more than 101 orchard blocks according to the hierarchical method outlined by the Plum Pox Virus National Surveillance Program. Personnel also visited 62 homeowner properties. Of those 62 properties, 18 had *Prunus* spp. present from which samples were collected.

Sampling is now complete of all susceptible *Prunus* nursery stock propagated and grown at four PA nurseries (in Adams, York, and Lancaster Counties) at a level of one leaf per 8 trees, bulking 8 leaves

per lab sample. In addition to stone fruit budwood sources, mother trees of ornamental Prunus grown by a nursery in Franklin County, the county to the immediate west of Adams County have also been sampled.

Laboratory testing always lags behind field sample collection. Samples are processed in the order in which they are received in the laboratory. Since crews are working in many blocks at several grower locations on any given day, individual block results are processed over a period of several days.

Of orchard samples processed by the laboratory at the PA Department of Agriculture this week, 3 tested positive for plum pox virus. All the positives were from within S. Middleton Township, Cumberland Co. of the quarantine area. No new blocks were confirmed positive during this reporting period; the number of blocks with positives remains at 37 so far this season. Laboratory testing from all Erie County samples have been completed and are negative.

During this reporting period 224 fruit tree nursery samples from PA nurseries were processed by the PDA Virology Laboratory in Harrisburg. All of these samples were negative. In addition, sampling of all budwood source trees identified by our PA stone fruit nurseries is complete, and all have tested negative for PPV. All budwood source trees are in commercial orchards that have been sampled in the commercial orchard PPV surveys as well, so there will be a double-check that they are taken from uninfected areas. Of course, no budwood source trees are from within the quarantine area.

Field sampling is 98% complete in Adams, Cumberland and Erie counties. Next week field survey crews will continue sampling of commercial stone fruit orchards in York and Lancaster counties and begin sampling in Franklin county. Scouting of homeowner properties in the quarantine area as well as at ornamental nurseries will also continue.

A note about suspending sampling during hot weather. As trees become stressed from heat or drought, it becomes more difficult to detect plum pox. The recommendation of Dr. Laurene Levy, USDA-APHIS-PPQ, is that sampling should cease when daily high temperatures over 30C (85F) are reached for an extended period of time. Because of the ample rain experienced this year, along with cool nights and breaks in daily temperatures, sampling is continuing. As a precaution, the PA PPV program is returning regularly to resample known positive trees that have not yet been removed. Positive results have been identified from these samples every week so far, usually twice a week. So we are confident that at least some positives would be detected in our survey, which makes it worthwhile to continue.

Additional PPV information from the Pennsylvania Department of Agriculture is available at:

[http://www.state.pa.us/PA\\_Exec/Agriculture/plum\\_pox/index.html](http://www.state.pa.us/PA_Exec/Agriculture/plum_pox/index.html)

## **Permanent Labor Certification, H-2A**

*Source:* <http://workforcesecurity.doleta.gov/foreign/dflc.asp#h2a>

An alien seeking to immigrate to the United States on the basis of employment must obtain an offer of permanent full-time employment from an employer in the United States. The alien cannot be admitted as a permanent resident unless, among other things, the employer obtains a labor certification from the Department that qualified U.S. workers are not available for the employment offered to the alien, and that the wages and working conditions offered will not adversely affect those of similarly employed U.S.

workers.

Several classifications exist under present law; H-1B Speciality (Professional) Workers, H-2B

Temporary Nonagricultural Workers, D-1 Crewmembers (Longshore) Workers, and H-2A Temporary Labor Certification/Agricultural.

The H-2A program establishes a means for agricultural employers who anticipate a shortage of domestic workers to bring nonimmigrant aliens to the U.S. to perform agricultural labor or services of a temporary or seasonal nature. Before the INS can approve an employer's petition for such workers, the employer must file an application with the Department stating that there are not sufficient workers who are able, willing, qualified, and available, and that the employment of aliens will not adversely affect the wages and working conditions of similarly employed U.S. workers. The statute and Departmental regulations provide for numerous worker protections and employer requirements with respect to wages and working conditions that do not apply to nonagricultural programs. The Department's Employment Standards Administration (ESA) has responsibility for enforcing provisions of worker contracts.

Additional information concerning the following is available at the above (*source*) website:

How to file  
What to file  
Where to file  
Adverse Effect Wage  
Program Regulations

Agricultural producers in various states have urged federal reform of H-2A through H.R. 4548 and S. 1814, the AgJOBS bill. Contact John Wargowsky, Ohio Farm Bureau Director of Business Services , (614) 249-3056 <jwargows@ofbf.org > or the National Council of Agricultural Employers, (202) 728-0300 for more information.

Additional reading is available at these sites:

<http://www.goodfruit.com/archive/May15-97/and5.html>

[http://www2.state.ga.us/Legis/1997\\_98/leg/fulltext/hr547.html](http://www2.state.ga.us/Legis/1997_98/leg/fulltext/hr547.html)

## **Fruit Observations**

**Insect Key**

AM: Apple maggot  
 CM: Codling moth  
 DWB: Dogwood borer  
 LPTB: Lesser peachtree borer  
 OBLR: Oblique banded leafroller  
 OFM: Oriental fruit moth  
 PC: Plum curculio  
 PTB: Peachtree borer  
 RBLR: Redbanded leafroller  
 SJS: San Jose scale  
 STLM: Spotted tentiform leafminer  
 TABM: Tufted apple budmoth  
 VLR: Variegated leafroller

**Site: Waterman Lab, Columbus (7/20-7/26)***Source: Dr. Celeste Welty, OSU Extension Entomologist**Traps used: STLM=wing traps, SJS=Pherocon-V, Others=Multiplier-1® traps***Apple**

RBLR: 15 (up from 6)  
 STLM: 622 (down from 636)  
 DWB: 2 (up from 1.5)  
 SJS: 0 (unchanged)  
 CM: 7.4 (down from 14.3)  
 OBLR: 1 (up from 0)  
 TABM: 2 (up from 0)  
 VLR: 0 (down from 1)  
 AM: 1 (up from 0)

**Peach**

OFM: 15 (down from 17)  
 LPTB: 2.5 (up from 2.0)  
 PTB: 6.5 (down from 7.5)

**Site: East District; Erie & Lorain Counties (7/19-7/25)***Source: Jim Mutchler, IPM Scout**Traps Used: STLM=wing traps, SJS=Pherocon-V, Others=Multiplier® traps***Apple**

RBLR: 0.1 (down from 0.4)  
 CM: 1.5 (down from 1.6)  
 SJS: 5.1 (down from 54.6)  
 AM: 0.4 (up from 0.1)

**Peach**

OFM: 6.7 (down from 11.3)  
 RBLR: 0.3 (down from 1.0)  
 LPTB: 6.3 (down from 7.3)  
 PTB: 12.0 (up from 10.7)

**Other pests:** blister spot, green apple aphid, Japanese beetle, fire blight, scab**Beneficials at work:** lacewing eggs, larvae, & adults, orange maggots, lady beetles, *Stethorus punctum*

**Site: West District; Huron, Ottawa, & Sandusky (7/19-7/25)**

Source: Gene Horner, IPM Scout

Traps Used: STLM=wing traps, SJS=Pherocon-V, Others=Multiplier® traps

**Apple**

RBLR: 0.3 (down from 0.8)

SJS: 1.2 (down from 8.2)

CM: 0.3 (down from 0.4)

AM: 0 (unchanged)

PC: 0 (unchanged)

OBLR: 1.0 (up from 0)

**Peach**

OFM: 3.0 (down from 8.8)

RBLR: 0.3 (up from 0)

LPTB: 15.3 (up from 12)

PTB: 0.3 (down from 3.3)

**Other pests:** green apple aphid, potato leafhopper, Japanese beetle

**Beneficials at work:** Green lacewing eggs & adults, banded thrips, lady beetles, brown lacewing adults

**Site: Wayne County (7/20-7/27)**

Source: Ron Becker, Extension Program Assistant

Traps used: STLM=Wing traps, PC=Circle trunk trap, Others=Multiplier® traps

	Apple			
	North	South	East	West
RBLR:	1.3	3.0	1	1.5
STLM:	970	75	68	344
CM:	1.6	6.3	1.3	19.7
AM:	0.4	0.7	0	0

	Peach		
	North	South	West
OFM:	0	50	51
LPTB:	0	6	0
PTB:	0	3	4.5

Heavy codling moth pressures in West, apple maggot flies in baited traps, blister spot is found in all orchards. Transparent harvest is completed with Jersey Macs and Williams Pride now being harvested. Red Haven harvest is nearly completed. Nectarines are also being harvested. European red mite, two-spotted spider mite, white apple leafhopper, and potato leafhopper are found in low numbers with Japanese beetle damage to leaves and fruit is being found sporadically.

**Northern Ohio Apple Scab Activity - SkyBit Product**

SkyBit based on observations: July 3, 4 10, 11, 14-17, 19, 20, 22; possible infection & damage

**Based on Forecasts: July 29-31; possible infection & damage**

### North Central Ohio Spectrum Technologies Orchard Monitors for Apple Scab

Spectrum Technologies Monitors and Software\* Observations: July 4, 11, 15, 16; Medium Infection (Software\* based on Modified Mills Chart)

## Northern Ohio Fire Blight Activity - SkyBit Product

SkyBit based observations: July 3, 4, 9-11, 14-17, 19-21; possible infection and damage

**Based on Forecasts: July 29-31, Aug 1-5; possible infection & damage**

## Northern Ohio Sooty Blotch - SkyBit Product

SkyBit based observations: July 4-26; possible infection and damage

**Based on Forecasts: July 27-31, Aug 1-5; possible infection & damage**

## Degree Day Accumulations for Selected Ohio Sites January 1, 2000 to date indicated

Location	Actual DD Accumulations July 26, 2000		Forecasted Degree Day Accumulations August 2, 2000			
	Base 43° F	Base 50° F	Base 43° F	Normal	Base 50° F	Normal
Akron - Canton	2321	1468	2533	2537	1627	1704
Cincinnati	2875	1938	3119	3215	2130	2254
Cleveland	2338	1501	2541	2481	1660	1665
Columbus	2823	1901	3048	2814	2074	1930
Dayton	2753	1834	2983	2881	2011	1997
Mansfield	2337	1494	2548	2513	1653	1687
Norwalk	2428	1582	2638	2472	1740	1669
Toledo	2436	1571	2647	2470	1730	1668
Wooster	2440	1568	2642	2402	1718	1585
Youngstown	2233	1385	2432	2343	1532	1542

### Phenology

Coming Events	Range of Degree Day Accumulations	
	Base 43° F	Base 50° F
Codling moth 2 <sup>nd</sup> flight peak	1587-3103	1061-2212
Redbanded leafroller 2 <sup>nd</sup> flight subsides	1927-3045	1291-2160
Spotted tentiform leafminer 3 <sup>rd</sup> flight begins	2215-2783	1558-2123
Peachtree borer flight subsiding	2230-3255	1497-2309
Oriental fruit moth 3 <sup>rd</sup> flight peak	2389-3267	1712-2326

*Thanks to Scaffolds Fruit Journal (Art Agnello)*

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