



Newsletter Extension

Fruit ICM News

Volume 7, No. 1
January 10, 2003

In This Issue:

[Calendar](#)

[Peach Orchard Management Extension Workshop at the Congress](#)

[Intrepid - New Pesticide for Grape Berry Moth](#)

[Cherry, Nectarine, Peach, Pear, Plum Web Sites](#)

[Monthly Climatological Data for December](#)

Calendar

Jan. 15-17, 2003: Ohio Fruit & Vegetable Growers Congress & Ohio Roadside Marketing Conference, Toledo SeaGate Convention Centre and Radisson Hotel. Contact Jennifer Hungerford at 614-249-2424

Jan. 27-29, 2003: Indiana Horticultural Congress; Adams Mark Hotel in Indianapolis.

Feb. 7-8, 2003: North American Bramble Growers' Association will meet in Leesburg Virginia. The meeting will be held at the Holiday Inn at the Historic Carradoc Hall. Contact Jason Murray, Commercial Horticulture Agent, for further information, at jamurray@vt.edu or 703-737-8978. You can view the program at <http://www.ento.vt.edu/Fruitfiles/NABGAProgram03.pdf>

February 9-11, 2003: Ohio Grape-Wine Short Course at Wyndham Dublin Hotel in Dublin. For registration information and other details call 800-227-6972 or go online to <http://www.ohiowines.org/>

Peach Orchard Management Extension Workshop at the Congress

Source: Dick Funt, OSU Extension Horticulturist via Candace Pollock, OSU News & Media Relations

Ohio growers seeking the scoop on developing and managing peach orchards may find the answers at an Ohio State University Extension workshop in January. The half-day workshop, to be held in conjunction with the 2003 Ohio Fruit and Vegetable Growers Congress in Toledo, Ohio, is dedicated to the financial and agricultural management of one of Ohio's fastest growing fruit industries. The workshop will take place from 9 a.m. to 12:45 p.m. on January 17 at the Toledo SeaGate Centre.

OSU Extension Small Fruit Specialist Dick Funt said the workshop, supported by Ohio State research,

will offer tips on how to establish a peach orchard and choose rootstock and cultivars and will provide the best tips on system management and how to get the most dollar for the fruit.

"The workshop is based on research we've compiled and is designed to show growers there is certain information and certain items they will need for long-term survival," said Funt. "If we look at all the principles and components of management, which route is most cost-effective? Which plan will be more profitable for growers?"

Funt said part of the workshop involves introducing an Ohio Fresh Market Peach Business Plan. The plan is a blueprint for identifying potential investment and agricultural materials needed to develop a peach orchard and maintain its profitability.

Along with information on orchard management and marketing strategies, the plan is designed to help growers establish themselves in the industry.

The 2003 Ohio Fruit and Vegetable Growers Congress will be held January 15-17. The annual conference and trade show is intended to educate and inform vegetable growers, marketers, consultants and others in the industry on the latest research, legislation, production and marketing of fruits and vegetables throughout the region and Canada.

For more information on the peach workshop, contact Dick Funt at 614-292-8327 or funt.1@osu.edu. For more information on the Ohio Fruit and Vegetable Growers Congress, log on to <http://www.ohiovegetables.org> or <http://www.ohiofruit.org>, or contact Jennifer Hungerford at 614-246-8292 or e-mail growohio@ofbf.org.

"Intrepid" A New Pesticide for Grape Berry Moth

Source: Roger Williams and Kevin McClure, Department of Entomology, OARDC, Wooster

2002 was the worst year on record for the damage caused by the Grape Berry Moth. Thus, it is with great interest that a new compound has just been released for this pest.

The EPA has recently approved the use of **Intrepid** for the control of Grape Berry Moth and several other related insects that attack the vine. However, there is great concern among researchers that Sevin is losing its effectiveness against GBM.

New York entomologists have determined that indeed the Grape Berry Moth is becoming resistant to Sevin, and we all fear that resistance may be developing to Danitol. So a warning: before you use Intrepid you need to plan to alternate spray materials or we will shortly lose all our weapons against Grape Berry Moth and other grape insects.

Researchers in Ohio and neighboring states have evaluated and confirmed that the efficacy of Intrepid against Grape Berry Moth is superior. It also exhibits a long residual on the grapevine.

Intrepid 2F (methoxyfenozide) insecticide is a product of Dow AgroSciences of Indianapolis. This product should provide a needed alternative to other products labeled for the Grape Berry Moth and help to limit pest resistance when alternated with other compounds. It is to be applied at initiation of egg hatch.

At the recent Grape Berry Moth Summit the researchers from all the states surrounding Lake Erie agreed

that it was most effective when used at the beginning of the 2nd generation and reapplied within 10-18 days to ensure complete coverage of fruits or foliage. There is a pre-harvest interval of 30 days. In other words, grapes are not to be harvested within 30 days of the last application. We are restricted to no more than 16 fl oz/acre/application or 48 fl oz/acre/season of Intrepid 2F.

Toxicity is as follows:

- Oral LD50 - mouse: >5000 mg/kg;
- Dermal LD50 - rat: >2000mg/kg;
- Inhalation LC50 - rat: 0.9 mg/ l for 4 hr.

The oral toxicity and the dermal toxicity are very favorable for mammals. However, the inhalation toxicity is a little high. Always use proper protection when handling and spraying all pesticides.



Grape berry moth.

More Tree Fruit Web Sites

In this issue we are including addresses specific to cherries, nectarines, peaches, pears, and plums. These are also available at <http://newfarm.osu.edu>. Click on "crops" and choose "tree fruit."

Cherry

Cherry Production - PA: <http://tfpg.cas.psu.edu/part1/part17a.htm>

Cherry Crop Profile - NY: <http://pestdata.ncsu.edu/cropprofiles/docs/nycherries.html>

Cherry (Tart) Crop Profile - PA: <http://pestdata.ncsu.edu/cropprofiles/docs/pacherries-tart.html>

Cherry Pest Management Guide - OR:
<http://eesc.orst.edu/agcomwebfile/edmat/html/em/em8329/em8329.html>

Cherry, Late Season, Central Axe 581 - BC:
http://www.agf.gov.bc.ca/busmgmt/budgets/budget_pdf/tree_fruits/cherries_summer_2001.pdf

Cherry, Sweet Establishment 574 - BC:
http://www.agf.gov.bc.ca/busmgmt/budgets/budget_pdf/tree_fruits/99chrest.pdf

Cherry, Sweet Full Production 574 - BC:

http://www.agf.gov.bc.ca/busmgmt/budgets/budget_pdf/tree_fruits/99chyfp.pdf

Growing Cherries - IN: <http://www.hort.purdue.edu/ext/HO-9.pdf>

Nectarine

Nectarine (& Peach) Cultivars - Ontario: <http://www.gov.on.ca/OMAFRA/english/crops/facts/02-033.htm>

Nectarine Fruit Profile - PA: <http://pestdata.ncsu.edu/cropprofiles/docs/panectarines.html>

Peach

Peach Budget - OH: <http://aede.osu.edu/People/Moore.301/fruit/index.htm>

Peach Crop Profile - MI: <http://pestdata.ncsu.edu/cropprofiles/docs/mipeaches.html>

Peach Crop Profile - PA: <http://pestdata.ncsu.edu/cropprofiles/docs/papeaches.html>

Peach (& Nectarine) Cultivars - Ontario: <http://www.gov.on.ca/OMAFRA/english/crops/facts/02-033.htm>

Peach, Dr. Des Layne's Peach Web Site - SC:
<http://virtual.clemson.edu/groups/hort/peach/peachhome.htm>

Peach Pest Management Guide - OR:
<http://eesc.orst.edu/agcomwebfile/edmat/html/em/em8419/em8419.html>

Peach Establishment, Mod Central Leader 311 - BC:
http://www.agf.gov.bc.ca/busmgmt/budgets/budget_pdf/tree_fruits/99pchest.pdf

Effects of Water Stress on Fruit Trees - VA: <http://www.hort.vt.edu/faculty/marini/Effects%20of%20water%20stress%20on%20Fruit%20Trees.doc>

How to Grow Big Peaches - NJ & VA: <http://www.rce.rutgers.edu/peach/orchard/bigpeaches.pdf>

Peach Full Production, Mod Central Leader 311 - BC:
http://www.agf.gov.bc.ca/busmgmt/budgets/budget_pdf/tree_fruits/peaches_summer2001.pdf

Peach Production - VA: <http://www.ento.vt.edu/Fruitfiles/VirginiaPeachSite.html#list>

Peach & Nectarine Cultivar Evaluations - SC: <http://virtual.clemson.edu/groups/hort/peach/Fruit%20Images/2000evaluations.htm>

Peach & Nectarine Production Economics - VA: <http://www.ext.vt.edu/pubs/treefruit/422-019/422-019.html>

Pear

Pear Crop Profile - MI: <http://pestdata.ncsu.edu/cropprofiles/docs/mipears.html>

Norwalk	3.95	2.77	43.55	35.64	35.2	37.4	23.7	22.9	29.5	30.1
Piketon	4.15	3.30	39.53	42.10	42.1	41.6	28.4	25.5	35.3	33.5
Toledo	2.67	2.64	29.10	33.21	35.8	36.0	22.8	22.3	29.3	29.1
Wooster	3.53	2.62	35.48	36.19	36.9	37.5	23.3	22.5	30.1	30.0
Youngstown	2.91	2.96	40.70	38.02	34.7	37.3	23.4	23.4	29.0	30.3

Temperatures in degrees F, Precipitation in inches

Record low set: Cleveland, December 4, 3F

Table Created by Ted W. Gastier, OSU Extension from National Weather Service, OARDC and local data

The Ohio Fruit ICM News is edited by:

Ted W. Gastier
 Extension Agent, Agriculture
 Tree Fruit Team Coordinator
 Ohio State University Extension Huron County
 180 Milan Avenue
 Norwalk, OH 44857
 Phone: (419)668-8210
 FAX: (419)663-4233
 E-mail: gastier.1@osu.edu

Information presented above and where trade names are used, they are supplied with the understanding that no discrimination is intended and no endorsement by Ohio State University Extension is implied. Although every attempt is made to produce information that is complete, timely, and accurate, the pesticide user bears responsibility of consulting the pesticide label and adhering to those directions.

Copyright © The Ohio State University 2003

All educational programs conducted by Ohio State University Extension are available to clientele on a nondiscriminatory basis without regard to race, color, creed, religion, sexual orientation, national origin, gender, age, disability or Vietnam-era veteran status.

Keith L. Smith, Associate Vice President for Ag. Adm. and Director, OSU Extension.

TDD No. 800-589-8292 (Ohio only) or 614-292-1868

| [Back](#) |