

VegNet Vol. 13, No. 24. November 29, 2006  
Ohio State University Extension Vegetable Crops On  
the WEB at: <http://vegnet.osu.edu> experiencing  
problems receiving this fax, Call 614-292-3857

*In This Issue*

1. Upcoming Disease Workshops
2. News from IR4 Weed Control
3. Conference on Recruiting and Retaining Successful Employees

**Upcoming Disease Workshops**

Cucumber, pickle and pepper growers take notice. With the region-wide Downy Mildew outbreak in cucumbers last year and the ongoing problems with Phytophthora in vine crops and peppers, there are two workshops available this winter that will help you manage these important diseases. Plan on attending both workshops.

1. Vegetable Disease Management Workshop. Part of the Ohio Fruit and Vegetable Congress, Monday, Jan 15, 2007

This workshop is designed to focus on vegetable disease management, with a special emphasis on Downy Mildew, Bacterial disease management, Phytophthora and more.

**Program:**

1:30 PM Downy Mildew on Cucumbers: Fungicide Studies, Spore Trapping, and Recommendations. Dr. Mary Hausbeck, MSU, Dept. of Plant Pathology

This soilborne fungus is considered a top threat to production and long-term viability of cucurbitaceous (cucumber, pumpkin, squash, melon), solanaceous (tomato, pepper, eggplant) and most recently leguminous (lima, snap and wax beans) vegetables by growers and processors.

2:15 PM Bacterial Management in Peppers, Tomatoes, Cucurbits, and Crucifers. Dr. Sally Miller OSU Specialist for vegetable crop diseases. Dept of Plant Pathology, OSU, OARDC.

2:45 PM Phytophthora on Vine Crops; Current Research and Management Dr. Mary Hausbeck, MSU, Dept. of Plant Pathology  
Plant pathologists are reporting a significant increase in the occurrence of Phytophthora blight of vine crops, including cucumbers, pumpkins, and squash, in many vegetable-growing regions of the United States. This devastating disease, caused by a soilborne pathogen called Phytophthora capsici, often results in nearly total yield loss.

3:15 AM Phytophthora on Bell Peppers; Current Research and Management. Dr. Sally Miller. OARDC.

Phytophthora blight, caused by *Phytophthora capsici*, is a devastating disease on both bell and non-bell peppers. Phytophthora blight causes yield losses up to 100% in pepper fields. *P. capsici* has a broad host range, among which cucurbits, eggplants, and tomatoes are severely affected.

3:45 PM Plectosporium (White speck) Resistance Trial in Pumpkins. Dr. Lanny Rhodes, Dept of Plant Pathology, OSU,  
Plectosporium blight (White Speck) is known to cause damage to a wide variety of cucurbit crops in Europe and

Asia, but the strain present in the U.S. seems to primarily damage pumpkins, summer squash and zucchini. OSUs Lanny Rhodes will discuss an evaluation trial with pumpkin varieties from several other countries and relate how this trial may impact Ohio pumpkin production.

For 1 day or full congress registration information, contact: Tom Sachs – Executive Director Ohio Vegetable and Potato Growers Association, 280 North High St, P.O. Box 182383, Columbus OH 43218-2383, Ph: 614-246-8290, Fx: 614-246-8690, or Email: [tsachs@ofbf.org](mailto:tsachs@ofbf.org)

## 2. 2007 Phytophthora & Downy Mildew Workshop Planned

MICHIGAN STATE UNIVERSITY, Organizer: Dr. Mary Hausbeck

Department of Plant Pathology & Vegetable Area of Expertise Team

Vegetable growers are encouraged to attend a full-day workshop to be held at the Marriott at University Place in East Lansing, MI on January 24th, 2007. The workshop will focus on Phytophthora crown and fruit rot and downy mildew. Phytophthora affects cucumber, squash, pumpkin, pepper, melon, zucchini, tomato, eggplant, and snap bean. Downy mildew is a relatively new problem for growers of cucumber, squash, melon, and pumpkin in the Midwest.

Educators for this workshop include Dr. Mary Hausbeck and Dr. Amanda Gevens from Michigan State University, Dr. Gerald Holmes and Dr. Kelly Ivors from North Carolina State University, and Dr. Dan Egel from Purdue University. The workshop will feature a hands-on laboratory to illustrate key components of the pathogens and highlight control measures. The Marriott at University Place is located at 300 M.A.C. Avenue, East Lansing, MI 48823, Phone #:

(517)337-4440, Fax #: (517)337-5001. A block of rooms (\$119 per room) have been set aside for this meeting, the reservation code is PATPATA. Go to <http://marriott.com/property/propertypage/LANEA> for further information and directions for the Marriott. Please register using the accompanying registration form.

**Vegetable Disease Workshop: Registration Form  
2007 Downy Mildew & Phytophthora Workshop January 24,  
2007**

Name(s) \_\_\_\_\_

Business/Organization \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State/Zip Code \_\_\_\_\_

Phone \_\_\_\_\_

Enclosed is \$  (\$50/person) for people for the Phytophthora & Downy Mildew Workshop (\$75 after January 10). Fee includes lunch, snacks at break, and parking

Send registration form, with payment (check made out to: Michigan State University), to:

Phytophthora & Downy Mildew Workshop, c/o Norm Myers, Co. Ext. Dir., MSUE Oceana County, 210 Johnson Street, Hart, MI 49420

Questions about registration?

Call 231-873-2129 (Kathy Walicki) or 517-355-4576 (Sheila Linderman).

**DEADLINE FOR REGISTRATION IS WEDNESDAY, JANUARY 17, 2007**

## News from IR-4 By Doug Doohan

IR-4 is the national USDA funded project that facilitates the research needed to support registration of pesticides for specialty crop vegetables, fruits and ornamentals. For food crops, funds are allocated to pay for the field and laboratory studies needed to determine terminal residues of the pesticide of interest in the harvested portion of the plant. The Environmental Protection Agency (EPA) uses these data to establish tolerances ie the legal maximum allowed in the marketplace, based upon a 100 1000 times safety factor. Most established pesticide tolerances will permit a trace residue, usually measured in parts per million (ppm); however, its interesting that market basket surveys regularly show that 70% of domestically produced product contains zero detectable pesticide residue. Consider too, that modern analytical methods measure trace contaminants at concentrations far smaller that ppm.

Ohio stands to benefit in future years from food-residue projects that were prioritized during September at the 2006 IR-4 Food Use Workshop. Prioritization and conduct of a food-residue project does not ensure that registration will occur, many other obstacles must be overcome, but data required to establish tolerances is essential. Ohio was well represented at this Denver meeting by Bruce Burma and Rich Danhoff, in addition to several state specialists from OSU. Dont hesitate to pass on your thoughts about

future pest control needs to Bruce and Rich as well as university extension personnel. Several IR-4 herbicide food-used projects that may be critical for Ohio growers in the future include the following prioritized for 2007 (these are not legal uses at this time):

1. GoalTender (oxyfluorfen) for green onions. Your Ohio representatives to IR-4 have been working for several years with the registrant DowAgro Sciences persuading them to allow a food residue project on this critically needed herbicide. Finally, after reviewing two years of data from three replicated trials conducted at the OARDC Muck Crops Research Station, Dow was persuaded that GoalTender use on green onions was unlikely to represent an unacceptable liability to the company. Trials to characterize oxyfluorfen residues in harvested green onions will be conducted in 2007 in Maryland, Florida, California and Ohio (USDA staff). However, we have recently learned from Dow that the EPA has demanded that additional but unrelated research be conducted on oxyfluorfen before more tolerances will be granted. Seems like a case of one step forward and one step back; however, it seems that Dow is committed to resolving EPA's new concerns.
2. Prowl H2O (pendimethalin) for leaf lettuce and cantaloupe. We've evaluated Prowl for leaf and head lettuce in Ohio on our muck soils but have not yet

- accumulated enough data to be convinced that it is a good fit for our conditions. Nevertheless requests from other states where lettuce is primarily grown on mineral students enabled this project to be prioritized. Even if Prowl is not a good fit for lettuce on muck soils, by no means is all Ohio lettuce grown on muck. For cantaloupe, Prowl will be a lower cost alternative to presently registered herbicides.
3. Outlook (dimethenamid p) for cabbage. Outlook will provide an important alternative to Dual Magnum, providing better control of nutsedge and common purslane.
  4. Lorox (linuron) for cilantro/coriander and dill. Lorox has been labeled for parsley for several years and there has existed a great need to expand this use to other leafy green herbs. This need has been especially urgent in the case of cilantro as production of this herb has increased greatly in recent years. Again safety and performance studies conducted at the OARDC Muck Crops station were instrumental in convincing Dupont that Lorox could be used safely on these crops.
  5. Harmony GT (thifensulfuron-methyl) for tomato. Ohio research and the support of Dupont led the way to obtaining this priority A project. Harmony is already registered for tomato in Canada where it is sold as Pinnacle. Harmony will control several seedling broadleaf weeds, including biotypes tolerate Sencor,

- at relatively advanced stages of growth.
6. Reflex (fomesafen) for cantaloupe. Reflex is an older herbicide that has been used on soybean since the 1980s. Recently it received a federal label for snap beans and dry beans. It controls annual broadleaf weeds and should be a good alternative to currently available herbicides.

## Conference Focuses on Recruiting and Retaining Successful Employees

John Wargowsky, Mid American Ag and Hort Services, Inc. Agricultural and horticultural employers have the opportunity to attend a conference focused on the employee issues facing their businesses. The Mid American Ag and Hort Human Resource Conference will be held Jan. 15, 2007 at the Greater Columbus Convention Center in Ohio. It will cover topics such as advanced recruiting strategies, labor and immigration compliance issues update, worker safety and workforce development. Presentations and speakers include the following.

9:00–11:50 AM – Experienced Supervisor Hiring Workshop  
– Bernie Erven of Erven HR Services, LLC 10:30– 11:50 AM  
Whats New with Labor and Immigration Compliance? John  
Wargowsky, Executive Director, Mid American Ag and Hort  
Services, Inc. 12:00–1:30 PM Mid American Ag and Hort  
Services, Inc. Sixth Annual Meeting and Luncheon Mike



Adolph, President and John Wargowsky, Executive Director  
1:45–2:45 PM – Business Networking and Developing  
Career Ladders – Dave Boulay – Management Specialist,  
Ohio State University South Centers 3:00– 4:30 PM  
Developing a Safety Recipe John Wargowsky

The conference is being held by Mid American Ag and Hort Services (MAAHS) in conjunction with the Ohio Fruit and Vegetable Growers Congress, Ohio Direct Agricultural Marketing Conference and National Bramble Conference, which runs January 15 to 17. Members of MAAHS, Ohio Fruit Growers Society, Ohio Vegetable and Potato Growers Society, North American Bramble Growers Association and Ohio Direct Agricultural Marketing Association are entitled to member pricing for the combined conference. Member pricing starts as low as \$65 for members who register by January 4.

MAAHS is the labor organization for agricultural and horticultural businesses in Indiana, Kentucky and Ohio. MAAHS focuses on labor educational programming, labor compliance assistance to members and obtaining temporary foreign workers.

Those wanting to attend the human resource conference only should register with MAAHS at [www.midamservices.org](http://www.midamservices.org), [maahs@ofbf.org](mailto:maahs@ofbf.org) or 614-246-8286. To register for multiple days of the combined conference visit [www.ohiofruit.org](http://www.ohiofruit.org), call 614-246-8292 or e-mail [growohio@ofbf.org](mailto:growohio@ofbf.org), 614-246-8291 (OFBF voice)

614-246-8286 (MAAHS voice), 614-361-7849 (mobile)  
614-246-8686 (fax)[jwargows@ofbf.org](mailto:jwargows@ofbf.org)