

# VEGETABLE CROPS HOTLINE

A newsletter for commercial vegetable growers prepared by the Purdue University Cooperative Extension Service

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No. 501  
November 21, 2008

<<http://www.btny.purdue.edu/pubs/vegcrop>>

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**HOLES IN PUMPKIN FRUIT** - (Dan Egel) - Recently I have observed pumpkins with holes in them of varying sizes and shapes. Usually, I can isolate *Fusarium* spp. from such lesions. However, it is difficult to tell if the *Fusarium* spp. caused the lesions or were opportunistic on a wound. It is not unusual in such samples to also find symptoms of bacterial spot. I have been able to isolate bacteria and *Fusarium* spp. from the same lesion. It is possible that *Fusarium* spp. take advantage of lesions of bacterial spot. Regardless of the cause, I have listed below some possible management options for pumpkins for *Fusarium* fruit rot (Figure 1) and bacterial fruit spot (Figure 2).

- Crop rotations of 4 years or more.
- Practice fall tillage.
- Begin applications of fixed copper products to pumpkin vines when fruit are 'softball' size.
- Take care not to discard symptomatic pumpkin fruit into or near possible production fields.
- Consider planting pumpkins into killed cover crops such as rye or wheat.



**Figure 1:** *Fusarium* fruit rot of pumpkins results in soft lesions on fruit, which may cause crater-like holes in the fruit. (Photo by Dan Egel)



**Figure 2:** Bacterial spot of pumpkins causes pimple-like lesions on fruit; occasionally some lesions may be come secondarily infected resulting in unsightly holes. (Photo by Dan Egel)



**MANEB® FUNGICIDE CANCELLATION** - (Information) - The common name maneb is used for the active ingredient in both Maneb® and Manex® fungicides. The labeled uses for these fungicides include beans, brassica and leafy greens, sweet corn, cucurbits onions and fruiting vegetables such as peppers, tomatoes and potatoes. The registration of Maneb® will be canceled by the manufacturer, United Phosphorus, Inc., as of the end of 2008 on all crops. The product will be manufactured through the end of 2008. Growers will be able to use existing stock and purchase additional product as available. Manex®, produced by Dupont, will be available until the crops that are labeled for maneb only are labeled for mancozeb. The common name mancozeb is for the active ingredient in several fungicides including Dithane®, Gavel®, Manzate® and Penncozeb®. There is a petition pending at EPA to add several crops to mancozeb labels that had previously been served by Maneb®, such as lettuce and peppers.



# Indiana Vegetable Growers Association

## Membership Renewal/Application for 2009

### Benefits of IVGA Membership

- Midwest Vegetable Production Guide for Commercial Growers, 2009 edition (ID-56) (available Jan. 09)
- Vegetable Crops Hotline subscription
- Listing in IVGA Directory of Wholesale Vegetable Producers (optional)
- Your web site linked on [www.ivga.org](http://www.ivga.org)
- Corporate members only: free ad on [www.ivga.org](http://www.ivga.org)
- Networking with other vegetable growers

To renew or join, correct or fill out the form below and send in with your check payable to IVGA.

The information below will be printed in the membership directory that is sent to members only. It will also be used to mail you the Vegetable Crops Hotline, to fax or e-mail the Hotline Bulletin, and for IVGA correspondence. Please complete or correct if necessary. If you would like anything omitted from the directory, please indicate below.

Current membership expires 12/31/

First ..... Last .....

Company .....

Address 1 .....

Address 2 .....

City, State, Zip .....

tel. .... fax .....

e-mail .....

website .....

**ID-56 Delivery:** Please indicate whether you will pick up your copy of the ID-56 at one of the following meetings: IHC (Indiana Hort Congress 1/10-21/09), IVGS (Indiana Veg Growers' School 1/30/09), SW Int. Market Mtg. If you do not pick it up it will be mailed in March.

IHC  IVGS  SW  MAIL  OTHER

Would you like to receive free subscriptions to trade magazines that may be offered to IVGA members?

yes  no

Check here to OPT OUT of hard copy Vegetable Crops Hotline. If you check yes announcements will be sent by e-mail but no paper copy will be sent. OPT OUT  yes  no

### Membership Type

- Regular, \$35.00/year  
 Industry/Corporate, \$75.00/year

Make Check Payable to: Indiana Vegetable Growers' Association (IVGA)

Return to:  
 Indiana Vegetable Growers' Association  
 c/o L. Maynard, P.O. Box North Central  
 1401 U.S. Highway 421  
 Westville, IN 46391

### Office Use Only

Check no. ....	Date Rec'd. ....
Check Date .....	Rec'd. by .....

The Indiana Vegetable Growers' Association Directory of Wholesale Vegetable Producers will be updated for 2009. To be included, please review your information below and make any necessary changes or additions. The wholesale directory is available to anyone who requests it and will be posted on the web. Indicate quantity of each item: S=small quantities; X=wholesale quantities; T=semi truckload quantities. Indicate certified organic: O.

Contact information for Wholesale Directory, if different from elsewhere on this form:

contacts .....

phone1 ..... phone2 .....

fax ..... phone3 .....

business address .....

e-mail .....

website .....

asparagus	<input type="checkbox"/>	onions_bulb	<input type="checkbox"/>
beet	<input type="checkbox"/>	onions_green	<input type="checkbox"/>
blackberry_raspberry	<input type="checkbox"/>	peppers_bell	<input type="checkbox"/>
broccoli	<input type="checkbox"/>	peppers_hot	<input type="checkbox"/>
cabbage	<input type="checkbox"/>	potatoes	<input type="checkbox"/>
cantaloupe_watmelon	<input type="checkbox"/>	pumpkin	<input type="checkbox"/>
cauliflower	<input type="checkbox"/>	radishes	<input type="checkbox"/>
chrysanthemums	<input type="checkbox"/>	snap_bean	<input type="checkbox"/>
coliflor_mustard_swisschard	<input type="checkbox"/>	squash_summer	<input type="checkbox"/>
corn_stalks	<input type="checkbox"/>	squash_winter	<input type="checkbox"/>
corn_ornamental	<input type="checkbox"/>	strawberries	<input type="checkbox"/>
cucumber	<input type="checkbox"/>	sweet_corn_bicolor	<input type="checkbox"/>
eggplant	<input type="checkbox"/>	sweet_corn_yellow	<input type="checkbox"/>
garlic_ornamental	<input type="checkbox"/>	sweet_corn_white	<input type="checkbox"/>
herbs	<input type="checkbox"/>	tomato	<input type="checkbox"/>
other_crops	<input type="checkbox"/>	turkey	<input type="checkbox"/>
kale_1	<input type="checkbox"/>	watermelon	<input type="checkbox"/>
pumpkin_mini_2	<input type="checkbox"/>	daylilies_6	<input type="checkbox"/>
spinach_3	<input type="checkbox"/>	apples_7	<input type="checkbox"/>
straw_4	<input type="checkbox"/>	peaches_8	<input type="checkbox"/>
lettuce_5	<input type="checkbox"/>	tomatillo_9	<input type="checkbox"/>

**COUNTRY OF ORIGIN LABELING LAW - (Information) -** (This article appeared in the Summer 2008 issue of *Off The Vine* of the National Watermelon Association.) Effective September 30, 2008, the law relating to country of origin labeling (that includes fruits and vegetables) will take effect. The farm bill includes the COOL law which provides this required information on each product, or if not possible (i.e. berries, etc.), on the packaging and/or signage (if the crop is sold loosely).

Every watermelon that is sold at retail should have the country of origin printed on the label that is applied to retail-sold melons.

Domestically grown crops are allowed to use state's marketing programs (i.e., "California Grown", "Go Texan", "Fresh from Florida", etc.) in lieu of "Product from the USA".

All imported crops must be labeled and/or identified to the retailer as "Product of Mexico", "Product of Honduras", etc.

Recordkeeping is the responsibility of each retailer, and must be kept for one year. One major change to the COOL law is that retailers do NOT have to keep records at each individual store. The law provides for penalties for both suppliers and retailers found in violation of the law of up to \$1,000 per violation.

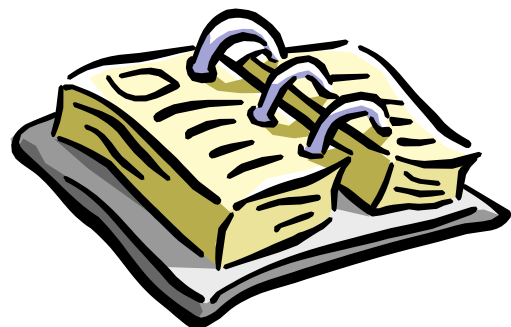
Food service establishments such as restaurants, lunchrooms, cafeterias, food stands, bars, lounges, and similar enterprises are exempt from the mandatory country of origin labeling requirements.

USDA plans to conduct education and outreach activities during the six months following the rule's effective date to help the industry comply with the law.

Copies of the interim final rule and additional information can be found at <[www.ams.usda.gov/COOL](http://www.ams.usda.gov/COOL)>.



**NOVA® FUNGICIDE TO BECOME RALLY® - (Information) -** Nova® and Rally® fungicides, active ingredient myclobutanil, are labeled on asparagus, cucurbits, snap beans and tomatoes for powdery mildew and rust diseases. In the past, growers have had both fungicides available to them. However, there will no longer be any Nova® fungicide; the name has been changed to Rally®. Since the active ingredient hasn't changed, disease management will not be affected.



## Meetings and Events

**ENERGY WORKSHOPS - (USDA Rural Development) -** Learn about the Rural Energy for America Program (REAP), (formerly Rural Energy/Energy Efficiency Program, Section 9006).

- Save energy and money by installing a renewable energy system.
- Renewable energy systems such as, wind turbines, solar panels, geothermal or biomass are eligible.
- Apply for a government grant or loan guarantee to make your project more feasible.
- Energy efficiency improvement projects such as, grain dryers, irrigation systems, refrigeration units, lighting, or the installation of new electric motors or heating, ventilation and cooling systems are eligible.

**Dates, times, and locations of workshops are:**

- o Tuesday, December 2, 2008, 9:30am - Noon, Orange County REMC, 7133 N. State Road 337, Orleans, IN 47452
- o Tuesday, December 16, 2008, 9:30am - Noon, Kosciusck REMC, 370 S. 250 East, Warsaw, IN 46582
- o Wednesday, December 17, 2008, 1:00pm - 3:30pm, Marion County Extension Office, 6640 Intech Boulevard, Suite 120, Indianapolis, IN 46278

The workshops are free, but reservations are necessary, please contact Sharon Ellison at (574) 753-4705 ext. 16 or at [sharon.ellison@in.usda.gov](mailto:sharon.ellison@in.usda.gov) to reserve your spot today!



**VEGETABLE VARIETY SHOWCASE -** December 4, 2008, vegetable growers in Indiana will have the opportunity to learn more about the technical side of growing produce and at the same time have the opportunity to earn PARP credit for a meeting.

Presentations can be viewed at the Southwest Purdue Agricultural Center in Vincennes, 7:00pm EST; the Pinney-Purdue Agricultural Center in Wanatah, 6:00pm CST; and in West Lafayette at Pfendler Hall on the Purdue University campus, 7:00pm EST. This program will also be available via the Internet and may be viewed at various other sites around the state. Ask your County Educator or call Dan Egel at 812-886-0198.



**IN HORTICULTURAL CONGRESS AND TRADE SHOW -** January 19-21, 2009, Adam's Mark Hotel, Indianapolis, IN <[www.hortcongress.org](http://www.hortcongress.org)>.

For information, contact  
Tammy Goodale, Phone - (765) 494-1296  
Fax - (765) 494-0391; Email - [tgoodale@purdue.edu](mailto:tgoodale@purdue.edu).



**ILLIANA VEGETABLE GROWERS' SCHOOL** - January 6, 2009, 8:00am - 4:00pm (CST), Teibel's Restaurant, 1175 US 41, US 30 & US 41, Schererville, IN 46375. Sponsored by Purdue Extension and University of Illinois Extension.

This program offers information and networking opportunities to commercial vegetable farmers and market gardeners.

**Continuing Education:**

- Individuals who hold a valid Indiana Private Pesticide Applicator License may receive credit towards recertification by attending the morning session and paying a \$10 fee.
- Certified Crop Advisor CEU's anticipated.
- Continuing Certification Hours (CCH's) for Indiana Commercial Pesticide Applicators anticipated.

Registration is \$25.00 per person.

For information regarding registration contact: Nikky Witkowski, (219) 755-3240, [nikky@purdue.edu](mailto:nikky@purdue.edu).

For information regarding the program, contact: Liz Maynard, (219) 785-5673, [emaynard@purdue.edu](mailto:emaynard@purdue.edu).



**January 21-22, 2009. Midwest Organic Production and Marketing Conference and Trade Show** - Adam's Mark Hotel, Indianapolis, Indiana. <<http://orgconf.sustainability.uiuc.edu>>. Contact: Jim True, [jtrue@purdue.edu](mailto:jtrue@purdue.edu).



**INDIANA VEGETABLE GROWER ASSOCIATION (IVGA) NEWS** - (*Announcement*) - Don't forget to renew your IVGA membership for 2009. A renewal form is included in this newsletter. IVGA membership includes a copy of the updated Midwest Vegetable Production Guide for Commercial Growers (ID-56) and a subscription to the Vegetable Crops Hotline. You may pick up your copy of the ID-56 at the Illiana Vegetable Growers' School, the Indiana Horticultural Congress, the SW Melon Meeting, and other meetings around the state.

The Annual Meeting of the IVGA is scheduled for 4:15 p.m., Tuesday, January 20, 2009 at the Adams Mark Hotel, in the conference room reserved for the Fresh Market Vegetable Program of the Indiana Horticultural Congress. The agenda will include election of officers and board members. Hope to see many members there!

It is the policy of the Purdue University Cooperative Extension Service that all persons have equal opportunity and access to its educational programs, services, activities, and facilities without regard to race, religion, color, sex, age, national origin or ancestry, marital status, parental status, sexual orientation, disability or status as a veteran. Purdue is an Affirmative Action Institution. This material may be available in alternative formats. 1-888-EXT-INFO <<http://www.ces.purdue.edu/marketing>> Disclaimer: Reference to products in this publication is not intended to be an endorsement to the exclusion of others which may have similar uses. Any person using products listed in this publication assumes full responsibility for their use in accordance with current directions of the manufacturer.

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