

VegNet Vol. 10, No. 2, February 25, 2003

2003 Ohio Vegetable Production Guide - Now Available!

The new 2003 edition of the Ohio Vegetable Production Guide is now available and includes: a new cabbage chapter, tables on efficacy of insecticides for every major vegetable crop, the latest pesticide updates, variety updates, new information on ICM, and selection and timing of pumpkin fungicides.

The bulletin is available through your local extension office or through:

Janis Cripe,

Publications Office,

2021 Coffey Rd.

Columbus, OH 43210,

at 614-292-1607,

or email: cripe@postoffice.ag.ohio-state.edu

The base price is \$9.75 to which you must add taxes and postage. Ask for Bulletin # 672.

For those with internet access, you can use the:

Online Edition of the 2003 Ohio Vegetable Production Guide

Making Ohio Foods Safer Through Safety Workshop

REYNOLDSBURG, Ohio Assisting Ohio's commercial fruit and vegetable growers to improve the safety and marketability of the food they produce will be the focus of an Ohio Fruit and Vegetable Food Safety Workshop.

The workshop, sponsored by Ohio State University Extension, Mid American Ag and Hort Services and the Center for Innovative Food Technology, will be held March 6-7 at the Ohio Department of Agriculture Bromfield Building in Reynoldsburg, Ohio.

The workshop fee of \$12 includes lunch and materials for one day. Registrations are requested by Feb. 28, 2003.

The March 6 program is directed toward Extension educators, crop consultants and other professionals who work with commercial fruit and vegetable growers, while the March 7 program is geared toward fruit and vegetable growers, packers and shippers. The two-day workshop is part of the Ohio Specialty Crop Food Safety Initiative, designed to increase the awareness and adoption of Good Agricultural Practices, increase ratings on third-party audit inspections and increase U.S. producer buyer recognition of Ohio's high standards of food safety and good agricultural practices.

Topics will include microbiology and food-borne illnesses, testing protocols, pre-plant and production agricultural practices, harvest and post-harvest agricultural practices, worker hygiene and sanitation, third party food safety audits and obtaining additional educational materials.

Speakers include Dave Beck, vice president for Center for Innovative Food Technology; Betsy Bihn, project coordinator for Good Agricultural Practices Program; Mary Donnell, Ohio State Extension agent and Ohio collaborator for the Good Agricultural Practices Program; Shari Plimpton, a consultant for the Center for Innovative Food Technology; Hua Wang of The Ohio State University; and John Wargowsky, executive director of Mid American Ag and Hort Services. This initiative is financed in part or totally through a grant from the Ohio Department of Agriculture, the State of Ohio and the United States Department of Agriculture under the provisions of the Specialty Crop Grant. For more information on the workshop, contact John Wargowsky at (614) 246-8286 or labor@ofbf.org or visit <http://www.midamservices.org> and click on "projects." The registration form is available at this web site.

More 2002 Research Reports Now Available R. Precheur

The following 2002 research results are now available from the author. As we are made aware of other research reports, we will let you know of their availability.

Midwestern Vegetable Variety Report for 2002 - Now Available!

This year's edition contains cultivar information on: broccoli, cabbage, carrot, cucumber (slicing), muskmelon, onion, pepper, pumpkin, summer squash, sweet corn, tomato, watermelon, and the influence of drip irrigation and six water duration periods on yield and quality of cucumber, eggplant, pepper, tomato and zucchini. The sweet corn section contains the annual report of Reactions of sweet corn hybrids to prevalent diseases by.

The cost of the publication is: \$15.00 (\$13.00 plus \$2.00 postage). Make checks payable to: The Ohio State University. You can obtain a copy by contacting:

Bob Precheur,

2001 Fyffe Ct.,

Columbus, OH 43210,

Phone: 614-292-3857,

Fax: 614-292-3505

or email: precheur.1@osu.edu

Hard Copies of the following Reports are available from the author:

Vegetable Disease Management Research Results, 2002, Pl. Pathology Series No.

118; by Sally Miller et al., For a hard copy, contact:

Sally Miller,

227 Selby Hall

OARDC, Wooster, OH 44691;

PH: 330-263-3678;

email Sally Miller miller.769@osu.edu

Insect Control Evaluation Summary for OH Vegetable Crops, 2002; by Casey Hoy and Mike Dunlap;

For a hard copy, contact:

Casey Hoy,

203B Thorne Hall,
OARDC, Wooster, OH 44691;
PH: 330-263-3611;
email Casey Hoy hoy.1@osu.edu
Vegetable Research Results, 2002; by Mark Bennett et al.;

For a hard copy, contact:

Mark Bennett,
2021 Coffey Rd.,
Columbus, OH 43210;
PH: 614-292-3863;
email Mark Bennett bennett.18@osu.edu
Weed Management in Vegetable Crops, Research Results - 2002;
by Douglas J. Doohan, Joel Felix and Tim Koch;

For a hard copy, contact:

Douglas Doohan;
217 Williams Hall;
1680 Madison Ave.;
Wooster, OH 44691;
330-202-3593;
Fax 330-263-3887;
email: doohan.1@osu.edu

On the WEB

In addition to the reports mentioned last time, the following reports are also currently available at the VegNet website:

<http://vegnet.osu.edu>

Cabbage Variety Trial, 2002; by Dr. Matt Kleinhenz; PDF file.

Cabbage Yield Prediction Table, 2002; by Dr. Matt Kleinhenz; PDF file.

New Cultivar Evaluations, 2002 (Speciality tomato, pepper eggplant, squash and gourd) by Elaine Grassbaugh et al., Plus Pictures

Potato Variety and Processing Quality Trial, 2002; by Dr. Matt Kleinhenz; PDF file.

Potato Variety and Cooking Trial, 2002; by Dr. Matt Kleinhenz; PDF file.

Insect Management Update for Vegetable & Fruit Crops, 2002/2003

Celeste Welty

New products:

Cruiser 5FS (thiamethoxam): commercial seed treatment for sweet corn, for systemic control of corn flea beetle; made by Syngenta, registered October 2002.

Entrust 80WP (spinosad; same A.I. as in SpinTor): new formulation that meets requirements of national organic program; made by Dow AgroSciences, registered August 2002.

Assail (acetamiprid), a neonicotinoid from Aventis/Bayer/Cerexagri. 70WP registered March 2002 for apple, pear to control aphids, leafminer, leafhoppers, codling moth, and psylla; and for tomato, pepper, eggplant, leafy veg., cole crops,

collards, kale, mustard greens for aphid, whitefly, Colorado potato beetle control; 70WSP for grapes for leafhopper control (May '02).

Acramite 50WS (bifenazate), for spider mite control on apple, pear, plum, peach, grape, strawberry; made by Uniroyal/Crompton, registered February 2002.

Courier Insect Growth Regulator 70WP (buprofezin), for use on lettuce, tomato, cucumber, melons, pumpkin, squash to control immature whiteflies; & Applaud 70WP Insect Growth Regulator (buprofezin), for use on grapes to control leafhopper nymphs, also whiteflies, mealybugs, scales; made by Nichino America, registered January 2002.

Registration expanded to additional crops:

Esteem 35WP (pyriproxyfen), an insect growth regulator made by Valent, for scale and caterpillar control, new for stone fruit; registered November 2002.

Intrepid 2F (methoxyfenozide), an insect growth regulator made by Dow, for caterpillar control, new for grapes, sweet corn, pepper, tomato, eggplant, cole crops, greens, leaf lettuce & other leafy veg.; registered on supplemental labels, September 2002. An improved version of Confirm (tebufenozide), registered since 1999 for cole crops, pepper, tomato, eggplant.

SpinTor 2SC (spinosad), new for brambles, grapes, radish, turnip, carrot, herbs (Sept. 2002); blueberries, beets (Jan. 2002); strawberries (Sept. 2001); asparagus (July 2001); for control of caterpillars, dipteran leafminers, thrips, asparagus beetle; made by Dow.

Baythroid 2EC (cyfluthrin), a pyrethroid made by Bayer; new for cole crops and mustard greens, leaf and head lettuce, dry and southern peas; registered September 2002.

Avaunt 30DG (indoxacarb) for caterpillar control, new for Chinese cabbage (napa), potato, eggplant; made by DuPont, registered July 2002.

Capture 2EC (bifenthrin), a pyrethroid made by FMC; new for caneberries (raspberries) for caterpillar and root weevil control; registered May 2002.

Fulfill 50WDG (pymetrozine) for aphid and whitefly control, new for cole crops, collards and other leafy brassica greens, leaf lettuce and other leafy vegetables; made by Syngenta, registered March 2002.

Mustang 1.5EW (zeta-cypermethrin), a pyrethroid made by FMC, for beetle and caterpillar control, new for tomato, pepper, eggplant, beans, peas; registered January 2002.

Surround (kaolin), new for bean, pea, potato, beet, radish, cole crops, collards, mustard greens, lettuce and other leafy vegetables; made by Englehard; registered March 2002. OMRI listed for organic farms.

Provado 1.6F & Admire 2F (imidacloprid), new for beans for aphid and whitefly control; made by Bayer; registered June 2001.

Agri-Mek 0.15EC (abamectin), new for grapes for mite control; made by Syngenta, registered March 2001.

Modified uses:

Fulfill 50WDG (pymetrozine): pre-harvest interval shortened from 14 days to 0 days for cucurbits, tomato, pepper, eggplant.

Discontinued uses:

Guthion (azinphosmethyl): cancelled on beans, broccoli, cabbage, cauliflower, celery, cukes, eggplant, melons, onions, peppers, spinach, tomatoes (Sept. 2002).
Actara (thiamethoxam): to be cancelled on tomato, eggplant, cucurbits in USA; & apple in OH.

Di-Syston 15G (disulfoton): cancelled on tomato; still ok for cole crops, pepper, potato.

Monitor (methamidophos): cancelled on cole crops, now for use only on potato, fresh tomato.

Discontinued products:

methoxychlor: tolerance revoked October 2002; products suspended from manufacture and sale since June 2000.

Late Winter and Early Spring Outlook

As the days get longer and brighter, growers begin to get more anxious but be patient. The outlook for March and early April is for more cold weather and lots of storminess. The active southern jet will continue to collide with cold arctic air pushing into the northeast

What's New At The VegNet Web Site

Problem Of The Week

A pictorial comparison of Squash Vine borer damage and Bacterial Wilt in pumpkins. While the symptoms are similar, there are some key differences.

Check it out. Click on the 'Problem of the Week' button of the left side.

Highlights From the Pumpkin and Muck Crops Field Days

Couldn't make it to Celeryville on July 25th or forgot about The Pumpkin Field Day on August 7th, then take a look at just a few of the highlights from these two field days.

Click on the 'Talk Between The Rows' button on the VegNet homepage.

2001 Slide Presentations

Pepper Variety Slides 2001 | HTML Slide Show

Pumpkin Variety Slides 2001 | HTML Slide Show

Go to the Library Section under Research Reports.

VegNet Vegetable Schools

A series of slide presentations are now available in order to update you on the latest pumpkin and sweet corn research. We begin with 6 pumpkin topics in Pumpkins 101 and have 10 slide presentations available in Sweet Corn 101. In sweet corn.

Powerpoint presentations and html online slide shows are available now. Go to the VegNet homepage.

Pumpkins 101

The use of trap crops and Admire for cucumber beetle control and New varieties for 2001. We have presentations on cover crops for disease control and pumpkin fungicide use.

Perimeter Trap Cropping. Online html slide show | Perimeter Trap Cropping. PPT, 7 Mbytes

See also the Research Results section on the home page for text version of the report.

Pumpkin Variety Slides 2001 | HTML Slide Show

Sweet Corn 101

Presently only Powerpoint presentations available. Coming Soon: Online HTML slide shows. Check back often Nine topics including:

Aspects of Variety Selection based on Disease Control [ppt 40 KB]

Internet Link To "Reactions of Sweet Corn Hybrids to Prevalent Diseases" Dr. Jerald Pataky www.sweetcorn.uiuc.edu

Producing Early Sweet Corn [ppt 3.5 Mbytes]

Managing Weeds in Sweet Corn [ppt, 9 Mbytes]

Sweet Corn Herbicides & Variety Sensitivity. [ppt 2Mbytes]

Sweet Corn Development and Critical Periods for Irrigation Management [ppt 1.6 Mbytes]

Flea Beetle Management in Sweet Corn [ppt 510 KB]

How To Keep Worms Out of Sweet Corn Ears [ppt 8.3 Mbytes]

Role of Bt Transgenic Hybrids in Sweet Corn Pest Management. [ppt 21.2 Mbytes]

Bt Sweet Corn Efficacy in OH, 1999-2000 [ppt, 208 KB]

[Return to Vegetable Crops Homepage | Ohio State University Extension](#)

We appreciate very much the financial support for this series of vegetable reports which we have received from the board of growers responsible for the Ohio Vegetable and Small Fruit research and Development Program. This is an example of use of Funds from the "Assessment Program".

Where trade names are used, 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 the responsibility of consulting the pesticide label and adhering to those directions.

Issued in furtherance of Cooperative Extension work, Acts of May 8 and June 30, 1914, in cooperation with the U.S. Department of Agriculture, Keith L. Smith, Director, Ohio State University Extension.

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