

VegNet Vol. 10, No. 1, January 7, 2003

Vegetable Calendar - January

Jan 9 Greenhouse Meeting, Toledo Area Flower and Vegetable Growers Association, Monclova Community Center, Toledo, Ohio.

Contact: Norm Moll 419-213-4253 or .

Jan 9 (begins at 9 a.m.) - 10 (begins at 8 a.m.) - Muck Crop School, Moose Lodge, Willard,

Contact: Gary Bauer, 419-627-7631, bauer.3@osu.edu

Jan. 15-17 Ohio Fruit & Vegetable Growers Congress, Ohio Roadside Marketing Conference and Ohio Christmas Tree Association Winter Meeting, SeaGate Convention Center, Toledo. For complete convention details on the program, directions and pre-registration

Contact: Jennifer Hungerford, 614-249-2424,

<http://www.ohiovegetables.org>

Come visit the OSU Vegetable Team in the Trade Show at Booth 713. Pick up research reports, purchase new publications or just to chat about new production ideas.

Jan.16-17 Greenhouse Food Production Short Course in conjunction with the Ohio Fruit & Vegetable Growers Congress, SeaGate Convention Center, Toledo.

Contact: Jennifer Hungerford, 614-249-2424,

<http://www.ohiovegetables.org>

2002 Research Reports Now Available

R. Precheur

The first of the 2002 research results are now available at the VegNet website. As we are made aware of other research reports, we will let you know of their availability.

The following reports are currently available at the VegNet website:

<http://vegnet.osu.edu>

Green Pepper Cultivar Evaluation, 2002

by Dr. Robert J. Precheur, Plus Pictures

Pumpkin Reserch Results, 2002

Pictures and Powdery Mildew Ratings

by Bob Precheur

BiColor Sweet Corn 2002

by Bob Precheur, Tables plus some pictures.

2002 Sweet Corn Disease Resistance Ratings

The following are latest reports from Dr. Jerald Pataky's work at the Univ. of IL on reactions of sweet corn to common diseases. They include the disease nursery report (text file in MS Word) and the disease nursery table (MS Excel).

2002 Disease Nursery Table  
2002 Disease Nursery Report

New Book on Pepper Diseases  
N. J. Taylor

There is a new disease compendium on pepper diseases out from the American Phthopathological Society (APS). It will cost \$49.00, plus shipping. For details and ordering information, visit their website:  
<http://www.shopapspress.org/comofpepdis.html>

Glyphosate-resistant Crops and Weeds

From: P A N U P S Pesticide Action Network Updates Service and Joe Kovach, OSU IPM Program

Global plantings of genetically engineered crops have increased this year by 10.5% to 136.2 million acres (55.1 million hectares). In the U.S., Roundup Ready soybeans (soybeans engineered to be resistant to glyphosate), are the most widely planted genetically engineered crop; plantings increased 9.9% to 60.2 million acres in 2002. Plantings of Bt cotton (cotton engineered to produce an insecticide), however, declined in the U.S. (from 0.5 million acres to 0.4 million) and China (from 2.2 million acres to 1.9 million).

One problem is the growing number of cases of glyphosate-resistant weeds. In the past few years, cases of resistance have been documented around the world. In 1996, resistant Rigid Ryegrass was found in one part of Australia; then in 1997, it was discovered in New South Wales. Cases of resistant Rigid Ryegrass have also been documented in California (2-5 sites) in 1998, and in South Africa (11-50 sites) in 2001.

In 1997, Goosegrass resistant to glyphosate was found in multiple orchards in Malaysia. Glyphosate-resistant Italian Ryegrass was discovered in orchards in Chile in 2001. Weed scientists there estimate that up to 500 acres may be infested.

In 2000, cases of resistant Horseweed (also known as Maretail) began appearing in soybean fields in the United States. Resistance has been documented in Delaware, Indiana, Maryland, New Jersey, Ohio and Tennessee. In Tennessee, resistant Horseweed was also found in cotton. Scientists estimate that from 100,000 to one million acres are infested with resistant Horseweed, primarily in Tennessee and Delaware.

A white paper was recently released by one corporation examining the impact of glyphosate-resistant weeds on land value. The paper concludes that specific weed resistance can reduce a farm's rentable value by 17%, and that the greatest weed-resistance concern is glyphosate tolerance in Roundup Ready crops.

Sources:

Agrow: World Crop Protection News, November 29, 2002.

"Glyphosate-Resistant Weeds: Will They Decrease Land Value?", Syngenta,

[http://www.ecast.protusfax.com/redirector.asp?URL=http://www.syngentacropprotection-us.com/Resources/Prod/Touchdown/Land\\_Values.pdf&BID=45925538&EID=4491](http://www.ecast.protusfax.com/redirector.asp?URL=http://www.syngentacropprotection-us.com/Resources/Prod/Touchdown/Land_Values.pdf&BID=45925538&EID=4491).

Monsanto press releases, December 18, 2002.

International Survey of Herbicide Resistant Weeds,  
<http://www.weedscience.org/>.

Associated Press, December 18, 2002. St. Louis Dispatch, December 19, 2002.

#### 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](http://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.

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