



**VegNet Vol. 7, No. 22, August 3, 2000**

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## **Update on Diseases: Powdery Mildew on Pumpkins and Other Vine Crops**

**Precheur, Riedel and Becker**

**Powdery mildew has been found in pumpkins in several locations around the state including: Columbus, Sandusky County and in most early plantings in Wayne county. According to Mac Riedel, Plant Pathology, the last week of July and the first week of August is usually when we first spot this fungal disease. If you haven't already begun your powdery mildew control program, you should start within the next few days. Dr. Riedel suggests for the first spray use Quadris. For the second spray, use Bravo plus Nova @ 5 oz or Benlate at 1 lb. For spray 3, repeat with Quadris. Spray 4, same as #2. Continue alternating the spray program as with sprays # 1 and 2. Quadris can be used for 6 applications per season.**

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## **Insect News**

**Celeste Welty**

### **Corn earworm:**

**Counts of corn earworm moths during the past week in pheromone traps were: 5 at Meigs County, 3 at Highland County, 11 at Clark County, 24 at Franklin county, 2 at Sandusky County, 0 at Wayne County.**

### **European corn borer:**

The count of European corn borer moths during the past week in a blacklight trap at Fremont (Sandusky County) was 208 (148 females and 60 males), which is up sharply from 9 the previous week; moth catch started going up on 26 July. The counts of European corn borer moths during the past week in pheromone traps were: 12 at Meigs County, 20 at Highland County, 6 at Clark County, 5 at Franklin County, 22 at Sandusky County, 5 at Wayne County. This is a critical period for pepper growers to spray for corn borer control, also in sweet corn plantings that are in the fresh-silk stage.



## Vegetable Field Days

**Vegetable Plots to be included in The OSU Organic Food and Farming Education and Research (OFFER) Field Day Friday August 4, 2000**

Various aspects of organic vegetable production are on display and under study in two projects being conducted at the OARDC in Wooster in 2000. Variety selection and nutrient, disease, and weed management techniques are being displayed and tested in plots containing fresh market tomatoes, sweet corn, and specialty-type potatoes. Researchers hope to establish full-scale projects so that they may help farmers overcome obstacles associated with organic vegetable crop production, including selection of suitable varieties and nutrient and pest management. Contact Matt Kleinhenz for details and directions to this field day. phone: 330.263.3810, Email: kleinhenz.1@osu.edu

**Sweet corn twilight tour, When: Thursday, August 10th, from 6-8 P.M.**

**Where: Begins at Fulton Farm's Retail Market, on S. R. 202 (Old Troy Pike) between S. R. 571 and S. R. 41. Featuring: Ohio State University Specialist's discussing weed and insect control strategies for sweet corn, including Liberty Link sweet corn (Attribute) stacked with the Bt trait. Weed and insect Integrated Pest Management strategies may also be discussed for strawberries and pumpkins.**

**Waterman Farm Open House and Pumpkin Workshop, Columbus, Thursday, August 10, from 4 - 8 PM.**

The farm in Columbus is north of Lane Ave off Kenny Rd. State specialist's Drs. Mac Riedel (plant pathology), Celeste Welty (entomology), and Bob Precheur (horticulture) will be on hand to give informal presentations and answer any questions visitors may have. For more information and details, contact Celeste Welty at 614-292-2803 or welty.1@osu.edu

**Pumpkin field day, Tuesday, August 15th OARDC Western Branch**

The Pumpkin field day held at the OARDC Western Branch, from 6:00 to 8:00 pm. The Western Branch is located on S.R. 41 south of I-70. We will be show casing our trap crop and cucumber beetle threshold research trials to the growers of Southwest Ohio.

State specialist's Drs. Mac Riedel (plant pathology), Celeste Welty (entomology), and Bob Precheur (horticulture) are scheduled to be on hand to give informal presentations and answer any questions visitors may have. Visitors will be encouraged to walk around and inspect the plots.



## Crop Reports

## Hal Kneen and Ron Becker

### SouthEast:

Tomato prices have rebounded higher as supply has been reduced and demand continues until locally grown northern tomatoes come in. I continue to speak to people throughout the state who haven't had their first Ohio Grown Tomato and did not realize that they were ready. Marketing Ohio Grown Tomatoes needs to be re-emphasized to grower, wholesale brokers and farm marketers. Perhaps Ohio Department of Agriculture & Ohio Farm Bureau can get involved.

Early blight continues to raise havoc with growers who are not keeping up with spraying fungicides. Weather- extreme thunderstorms, have not helped matters as high winds blow sand and bring hail that injure plants leaving them more susceptible to disease infection.

Cantaloupes are being harvested, with locals liking the taste of Superstar and a new variety Eclipse. Growers continue to have problems with Superstar splitting after heavy rains, Eclipse doesn't seem to be as susceptible to splitting.

Watermelons for local farm markets are just beginning to be harvested and are excellent tasting.

Sweet corn continues to be harvested with some shortages developing as a result of delayed mid-spring plantings due to spring rains.

### Wayne County

As reported above, powdery mildew is now on most of the earl and mid season planted pumpkin and other vine crops. Growers are now spraying for spider mites since they are on the increase in such crops as watermelon, muskmelon and eggplant. Squash bug eggs are hatching and numbers are high. The Fremont area also reports large numbers of young squash bugs and they are more troublesome than normal. Cuke beetle numbers are starting to increase again.



## TomCast Report

K. Scaife

At Fremont,. The total DSV's as of 1 Aug are 68. Last week, 27 July: 59 DSV's. .



## What's New At The VegNet Web Site

### ● Pumpkin Production Chart

Originally available only in the print version of the 2000 Ohio Vegetable Production Guide, this WEB version can be found in "The Pumpkin Patch" The chart is a quick guide and timeline to key factors necessary for a successful pumpkin crop.

### ● Another NEW! VegWeb Fact Sheet.

Table on Susceptibility of sweet corn hybrids to Stewart's Bacterial Wilt as rated by Jerald Pataky (Univ. of Illinois). Adapted by Dr. Celeste Welty, Extension Entomology, OSU Columbus. This table was published in last week's VegNet Newsletter. A WEB edition is now available from the VegNet homepage. More information on Stewart's wilt and its history in Ohio will be available soon.

### ● Vegetable Faculty WEB Pages.

Dr Matt Kleinhenz has recently posted his faculty webpage. At the site you can find his research projects, results and review his presentations made this past winter. A link from VegNet will be provided soon. To visit Matt's homepage, go to:

<http://www.oardc.ohio-state.edu/kleinhenz/>

### ● From Dr. Brent Rowell, Univ of KY, email: [browell@ca.uky.edu](mailto:browell@ca.uky.edu)

Our new KY Vegetable Recommendations book is on the web now. A print version is also available. The introductory section on marketing might be of interest to southern OH tobacco growers.

<http://www.ca.uky.edu/agc/pubs/id/id36/id36.htm>

The marketing section is also available as a separate publication.

<http://www.ca.uky.edu/agc/pubs/id/id134/id134.htm>

### ● [Visit: "The Library, Online Edition of the 2000 OH Vegetable Production Guide, NOW AVAILABLE."](#)

The OH Vegetables Production Guide ranks #22 in top downloads from OSU Extension Ohionline with over 1,000 downloads. Most of the new features are available in the online edition including the New Insecticide Efficacy tables. The new Pumpkin Production Chart is not there but I hope to have it posted soon in "The Pumpkin Patch" section of the VegNet website.

### ● NEW! VegWeb Fact Sheets.

This new feature offers some valuable information on certain aspects of vegetable production that you can print out directly in your home or office. The first two are by Dr. Mac Riedel, OSU Plant Pathology, and are available from the VegNet homepage.

- **Fungicides Labeled for Pumpkins**  
Confused by the many new fungicides now available for pumpkins. Check out this fact sheet to see how to use these fungicides.
- **Fungicide Activity For Control of Tomato Diseases** Which fungicide is best for a particular tomato disease.

[Available from the Vegetable Crops Homepage, Click Here!](#)

● **The 1999 Pumpkin Review and Slide Show.**

Yield Data plus pictures of pumpkin cultivars from this year's trials. Also, see pumpkin varieties rated for powdery mildew resistance. There are many new and interesting pumpkin varieties in all size categories.

[Visit: 'The Pumpkin Patch' for pictures and yield data.](#)

● **The 1999 Green Pepper Evaluation and Slide Show.**

[Yield Data Slide Show](#) From The Muck Crops Branch at Celeryville,

● **From The Enterprise Center**

- **Comparison of Disease Control on Fresh Tomatoes using TOMCAST and SKYBIT to Time Fungicide Applications.**
- **Evaluation of WaterMelon Cultivars for Southern Ohio, 1999**
- **1999 Ornamental Corn Evaluation**
- **Evaluation of Eastern Style Muskmelons for Southern Ohio, 1999**

[Link To Research Summaries From The Enterprise Center at Piketon.](#)



[University Extension](#)

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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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