

VegNet Vol. 9, No. 15, July 10, 2002

### Notes from the Clinic: Phytophthora blight in Pepper

N. Taylor

A specimen of pepper infected with Phytophthora blight was received in the Clinic this week. Symptoms on the plants included the typical water-soaked, dark brown stem lesions on the lower stem which extended upward several inches. A complete description of this problem is provided in HYG- 3116, Phytophthora Blight of Pepper and Cucurbits, on the Web at: <http://ohioline.osu.edu/hyg-fact/3000/3116.html> Recommendations for management of this disease can be found in Bull. 672, 2002 Ohio Vegetable Production Guide, on the Web at <http://ohioline.osu.edu/b672/index.html> Both of these publications can be obtained at your local Ohio State University Extension Office.

### Pumpkin Field Day, August 7th, 4-6 PM

J. Jasinski

Whether you are an experienced or new grower, everyone is welcome to attend the Pumpkin Field Day at the Western Branch Research Station in South Charleston, August 7th, 4-6 PM. At the field day will be OSU researchers Mac Riedel, Bob Precheur, Celeste Welty, Jim Jasinski, and Andy Wyenandt to talk about their work at the station and help answer any questions you might have. The field day will be informal but will cover many topics including the use of Sandea and Strategy herbicides in pumpkins, fungicide and variety plot work, giant pumpkin production, the use of Admire, perimeter trap crops, and Kairomone traps to reduce cucumber beetles, and cover crops used in pumpkin production.

There are nearly 8 acres of pumpkin research at the farm. This is one of the greatest concentrations of pumpkin research in the State; don't miss your chance to see it all! Directions to the Western Branch: The Western Branch is located on the south side of S. R. 41, between I-70 and the town of South Charleston. For more details, please contact Jim Jasinski, 937-454-5002 or email: [jasinski.4@osu.edu](mailto:jasinski.4@osu.edu).

### Insect Trap Report

Celeste Welty

The pest highlights during the past week are that corn earworm moths are now active at some sites, and European corn borer moth activity continues to decline as typical for the period between generations.

Cooperators report that the number of European corn borer moths caught in pheromone traps during the past week were 2 moths in Meigs County (up from 0 the previous week), 0 in Montgomery County (same as previous week), 1 in Miami County (same as previous week), 0 in Franklin County (down from 15), 5 in Sandusky County south (down from 12), and 3 in Wood County (down from 9). The number of European corn borer moths in blacklight traps in the past week was 0 in Franklin County (down from 8), and 8 at Wood County (down from 56).

In pheromone traps for corn earworm in the past week, cooperators reported 10 moths in Meigs County (down from 14), 4 in Montgomery County (down from 10), 8 in Miami County (up from 1), 3 in Franklin County (up from 1), 0 in Sandusky County (same as last week), and 0 in Wood County (same as last week). Any farms with fresh-silking sweet corn should beware of whether or not this pest is present in the area. If corn earworm moths are present during silking, specific guidelines for spray intervals are found in the sweet corn chapter of the 2002 Ohio Veg Production Guide.

Squash vine borer moths continue to emerge and they will be seeking squash or pumpkin stems on which to lay eggs. In pheromone traps for squash vine borer, cooperators reported 16 in Franklin County (Grandview; up from 13), 3.0 in Franklin County (OSU campus; mean of 2 traps), and 3 in Wood County (up from 0). Variegated cutworm moths are still active. Pheromone traps for this pest this week caught 48 moths in Franklin County (up from 13), 24 moths in Huron County (down from 38), and 5 moths in Wood County (up from 0). Black cutworm traps caught 0 moths in Huron County (down from 3) and 5 moths in Wood County (up from 0). Trap reports are now posted on the web and can be accessed via the VegNet site, within the Vegetable IPM section.

## Crop Reports

Hal Kneen

### SOUTHEAST:

Widely scattered thunderstorms have rolled in the region this past week. On July 4th evening between 1-2 1/2 inches of rainfall was registered. Rainfall occurred again Saturday evening and Tuesday evening from 1/4 -2 inches each time. Sweet corn growers welcomed the rain, tomato growers with irrigation would prefer drier weather.

Sweet corn and tomato crop are being harvested with the first shipments of tomatoes hitting the wholesale market this week. Muskmelons are sizing up rapidly (softball size to almost saleable) and watermelon are setting fruit. Peppers are enlarging and should be ready by the end of next week.

Late season tomatoes finished transplanting and are beginning to be trellised. Third and fourth trellises are being strung on first plantings. Tomatoes are growing fast and furiously, need disease spraying on a short interval due to ideal weather conditions.

Plowing up old cabbage fields as cabbage harvest is just about over.

The 7 Day Outlook\*  
By Robert Precheur

Warm and dry for the next few days.  
Cooler, less humid weather is expected into the weekend. A trough enters the region this weekend and increases rain chances. Slightly warmer next week and relatively dry.. One meteorologist says we have already seen the highest temperatures for this summer.

AKRON-CANTON

DAY DATE | FRI 12| SAT 13| SUN 14| MON 15| TUE 16| WED 17|  
TEMP  
MIN/MAX | 55 77| 57 77| 62 84| 65 87| 68 87| 66 89|  
WIND | 5 6| 5 6| 5 6| 5 7| 5 8| 5 8|  
PREC.  
PROB. 24| 8 | 31 | 32 | 33 | 31 | 34 |

CLEVELAND

DAY DATE | FRI 12| SAT 13| SUN 14| MON 15| TUE 16| WED 17|  
TEMP  
MIN/MAX | 54 76| 57 77| 60 83| 64 86| 66 87| 67 87|  
WIND | 4 6| 4 7| 4 7| 4 8| 5 8| 6 8|  
PREC.  
PROB. 24| 6 | 27 | 29 | 31 | 31 | 34 |

COLUMBUS

DAY DATE | FRI 12| SAT 13| SUN 14| MON 15| TUE 16| WED 17|  
TEMP  
MIN/MAX | 59 80| 59 79| 62 84| 65 89| 68 90| 69 91|  
WIND | 3 5| 3 5| 2 5| 2 5| 3 6| 3 6|  
PREC.  
PROB. 24| 20 | 38 | 34 | 35 | 31 | 35 |

CINCINNATI

DAY DATE | FRI 12| SAT 13| SUN 14| MON 15| TUE 16| WED 17|  
TEMP  
MIN/MAX | 61 78| 61 80| 65 86| 67 88| 71 88| 69 87|  
WIND | 6 7| 6 7| 5 7| 4 7| 5 8| 6 8|  
PREC.  
PROB. 24| 39 | 44 | 34 | 36 | 31 | 35 |

DAYTON

DAY DATE | FRI 12| SAT 13| SUN 14| MON 15| TUE 16| WED 17|

TEMP

MIN/MAX | 58 78| 59 80| 63 85| 67 89| 69 90| 69 91|

WIND | 4 5| 4 5| 3 5| 3 6| 4 7| 5 7|

PREC.

PROB. 24| 26 | 36 | 31 | 34 | 31 | 35 |

TOLEDO

DAY DATE | FRI 12| SAT 13| SUN 14| MON 15| TUE 16| WED 17|

TEMP

MIN/MAX | 52 76| 55 79| 59 84| 64 87| 67 88| 66 87|

WIND | 4 6| 4 6| 3 6| 3 7| 5 8| 6 8|

PREC.

PROB. 24| 7 | 21 | 25 | 30 | 30 | 33 |

YOUNGSTOWN

DAY DATE | FRI 12| SAT 13| SUN 14| MON 15| TUE 16| WED 17|

TEMP

MIN/MAX | 49 76| 54 78| 59 83| 61 87| 63 87| 64 87|

WIND | 4 5| 4 6| 4 6| 4 6| 5 7| 5 7|

PREC.

PROB. 24| 5 | 30 | 32 | 32 | 31 | 34 |

\* LEGEND:

TEMP MIN/MAX - forecasted minimum and maximum temperature for time periods midnight to noon and noon to midnight.

WIND - MEAN WIND SPEED (KTS) FOR TIME PERIODS midnight to noon and noon to midnight.

PREC. PROB. 24 - probability of precipitation for the 24 hour period.

What's New At The VegNet Web Site

Slide Presentations

Pepper Variety Slides 2001 | HTML Slide Show

Pumpkin Variety Slides 2001 | HTML Slide Show

Go to the VegNet homepage.

### 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. In coming weeks, we will have presentations on cover crops for disease control and pumpkin fungicide use. Check back often.

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 ]

### Online Edition of the 2001 Ohio Vegetable Production Guide - Now Available

#### Sweet Corn Disease Resistance Ratings

The following are summarized lists of Dr. Pataky's work at the Univ. of IL on disease reactions of sweet corn. In these summaries, all experimental and processing varieties have been removed and only named varieties which were rated for common rust or MDM are included. The first list are those named varieties rated for common rust. The second list are only those named varieties rated for Maize Dwarf Mosaic virus (MDM).For a complete report, E-mail: Bob Precheur:

[precheur.1@osu.edu](mailto:precheur.1@osu.edu)

Common Rust of Sweet Corn

MDM of Sweet Corn

Do You Know Us?

Find out what we've been up to. The OSU Vegetable Team Report is available in PDF file format for downloading from the VegNet homepage.

Sources of Pheromone Traps Used in Vegetable Pest Management.

Do you need to find traps, lures or suppliers, click on the Vegetable IPM button on the left side of the homepage, then click on the 'Sources' document in the Vegetable IPM section.

IR-4 News

Also in the Vegetable IPM section, you can link to the IR-4 website. Read the results of the 2000 food use workshop, monthly and quarterly newsletters. Find out the latest on pesticide registrations for minor crops. Learn about biopesticides plus much more. Click on the Vegetable IPM button on the VegNet homepage and then click on the IR4 link in the Vegetable IPM section.

[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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