

VegNet Vol. 8, No. 21, July 13, 2001

TSWV

Richard Riedel

We have found Tomato Spotted Wilt virus (TSWV) in several fields of processing tomatoes in NW OH. It looks like some fields will have 15 to 20% affected plants. Plants are stunted, with symptoms that may suggest contact with herbicides. Leaf veins are purplish and leaf blades tend to have a bronze cast to them. Ring spots on leaves and stems may be visible.

This virus is systemic. There isn't a lot the grower can do after infection--the virus is vectored by thrips.

Transplants produced in close proximity to ornamentals such as impatiens may show a high rate of infection in the field.

Ohio Fruit and Vegetable Young Grower Tour

John Wargowsky

The 2001 Ohio Fruit and Vegetable Young Grower Tour will be held Monday, Aug. 20 and includes retail, wholesale and auction marketing operations in addition to a wagon tour of fruit and vegetable research plots. This bus tour is designed for growers 40 years of age and younger and others are welcome if interested. Sponsors include Ohio Vegetable & Potato Growers Association, Ohio Fruit Growers Society, OSU Centers at Piketon, Groco Farms, Inc., Bayer Corporation, Farm Credit Services and UAP Great Lakes. Capacity will be limited to one bus. Registration begins at 8:00 a.m. at the Southern State Community College just north of Hillsboro. The bus will leave at 8:30 a.m. for the first stop. Stops include:

9:30 - 11:00 a.m.: Windmill Farm Market, Springboro ? Owners, Jeff and Molly Wentworth, and manager, Teresa Moore, will give us a tour of Windmill Farm Market located in the growing and prosperous area of Springboro, south of Dayton. Their market consists of greenhouses, strawberries, raspberries, vegetables, an animal petting area and a spectacular Fall Festival with numerous families and school groups attending this event. Healthy food, family entertainment and a comfortable atmosphere for children are important to Windmill Farm Market. Participants will learn important pointers on operating a market in an area of rapid growth and development.

11:45 a.m. - 2:30 p.m.: Groco Farms, Jamestown - Mark and Ron Guess (father and son) will give a tour of their 400- acre vegetable operation. The Guesses grow summer squash, cucumbers, bell peppers, cabbage, zucchini and eggplant for the wholesale market. Ron and Mark have recently designed and constructed three 84 foot wide self propelled harvest aids that have increased harvest efficiency on their bell pepper, cucumber and squash crops. Weather permitting, participants should

be able to view this machine in action as well as learn about their production practices. They will also review their produce packaging shed where semi loads of produce are brought into the shed and the produce is washed, graded, packed, cooled and shipped daily by the semi-load to markets throughout the United States. Participants will also learn about their labor management practices, including the use of migrant labor. Groco Farms will provide lunch for participants.

3:30 - 5:00 p.m.: Bainbridge Produce Auction, Bainbridge - To expand agriculture production and marketing opportunities for area farmers, farm families from the Bainbridge, Ohio area built the Bainbridge Produce Auction LLC to better serve produce sellers and buyers throughout the region. Working with Brad Bergefurd of the OSU Extension Enterprise Center in June of 1999, the Bainbridge Produce Auction facility was built by the area farmers. The Grand Opening of the Wholesale Produce Auction occurred in July 1999 and produce auctions were held every Monday, Wednesday and Friday throughout the past two growing seasons.

Products marketed through the Bainbridge Produce Auction include locally grown bedding plants, perennials, nursery stock, cut flowers, hanging baskets, and over 100 other types of produce from apples to zucchini. Wholesale produce auctions are held every Monday, Wednesday and Friday during the growing season, with hay, grain and straw sales held the first Friday of every month throughout the winter.

6:00 - Dark.: Hillsboro Field Night at Southern State Community College, Hillsboro ? This annual event features a wagon tour and review of numerous fruit and vegetable research plots. Researchers with The OSU Centers at Piketon, The Ohio State University and the Ohio Agricultural Research and Development Center will explain the research plots and answer grower questions about current season growing problems.

Reservations: Those wishing accommodations the night before or after the tour may consider the following hotels in Hillsboro: Days Inn (800) 665-4145, 103 Harry Sauner Rd; Paragon Inn (937) 393-4730, 883 W Main St.; or Greystone Motel (937) 393-1966, 8190 U.S. Rt. 50. Those wishing to attend should complete the registration form and include the \$15 per person registration fee no later than Friday, Aug. 10. Confirmations will be mailed to registrants. Contact the Ohio Fruit and Vegetable Growers office at 614-249-2424 or growohio@ofbf.org for more information. Complete information and registration form is also available at by clicking on "Upcoming Events."

Crop Reports
Hal Kneen

SOUTHEAST

The hustle and bustle of farm marketers, roadside vendors, harvesting and shipments are keeping area growers busy. Sweet corn (excellent ear length and clean of insects) and tomatoes are being harvested as fast as possible. Most tomato growers have picked off the first fruit and now are getting into the "normal" size fruit size. Sweet corn has benefited from low flight counts of damaging corn pests

such as european corn borer and corn earworm. Local growers use mainly Warrior and Larvin insecticides at rates recommended by Celeste Welty, State Entomologist in the Ohio Vegetable Guide. Frequency is modified due to temperature. Irrigation is playing a key role in better production yields. Natural rainfall has been scattered. Some areas received a two inch rain Saturday night and early Sunday this past week while other areas received less than a quarter inch. Fertigation, especially in tomatoes and peppers has increased locally. Melon crops continue to set fruit with earlier transplanted fields having muskmelons 6-8 inch size and watermelon at 10- 12 inch size. We are about ten to fourteen days later than normal. Pumpkins are just beginning to vine out. Additional nitrogen application has been applied.

MOTH TRAP REPORTS (~7/3 to 7/10)

C. Welty

corn earworm, pheromone trap

Meigs County (Racine): 1 (same as last week)

Highland County (Hillsboro): 0 (down from 1 last week)

Miami County (Troy): 0 (same as last week)

Franklin County (Columbus): 0 (same as last week)

Huron County (Celeryville): 0 (same as last week)

Sandusky County (Fremont-South): 2 (down from 4 last week)

Sandusky County (Fremont-West): 0 (down from 1 last week)

Wood County (Hoytville): 0 (same as last week)

European corn borer, pheromone trap

Meigs County (Racine): 1 (up from 0 last week)

Highland County (Hillsboro): 5 (up from 4 last week)

Miami County (Troy): 2 (same as last week)

Franklin County (Columbus): 0 (same as last week)

Huron County (Celeryville): 0 (same as 0 last week)

Sandusky County (Fremont-South): 0 (down from 8 last week)

Sandusky County (Fremont-West): 4 (down from 12 last week)

Wood County (Hoytville): 7 (down from 22 last week)

European corn borer, blacklight trap

Franklin County (Columbus): 1 (same as last week)

Sandusky County (Fremont-South): 0 (down from 3 last week)

fall armyworm, pheromone trap

Franklin County (Columbus): 4 (up from 0 last week)

Wood County (Hoytville): 0 (same as last week)

squash vine borer, pheromone trap

Clark County (S. Charleston; mean of 2 traps): 0.5 (down from 1.5 last week)

Franklin County (Columbus; mean of 3 traps): 5.7 (up from 2.7 last week)

variegated cutworm, pheromone trap

Franklin County (Columbus): 207 (up from 123 last week)

Huron County (Celeryville): 170 (up from 76 last week)

Wood County (Hoytville): 84 (down from 162 last week)
black cutworm, pheromone trap
Huron County (Celeryville): 19 (down from 31 last week)
Wood County (Hoytville): 17 (up from 12 last week)
true armyworm, pheromone trap
Wood County (Hoytville): 111 (down from 192 last week)
Note: full season trap records are posted at: <http://www.ag.ohio-state.edu/~ipm/traps/traps.htm> A link is provided from the VegNet homepage, just click on the Vegetable IPM button.

The 7 Day Outlook*

AKRON-CANTON

DAY DATE | SUN 15| MON 16| TUE 17| WED 18| THU 19| FRI 20|
TEMP
MIN/MAX | 57 81| 60 81| 61 84| 63 85| 65 86| 64 86|
WIND | 3 6| 4 6| 4 6| 5 7| 5 7| 5 8|
PREC.
PROB. 24 | 14 | 29 | 29 | 33 | 33 | 33 |

CLEVELAND

DAY DATE | SUN 15| MON 16| TUE 17| WED 18| THU 19| FRI 20|
TEMP
MIN/MAX | 57 78| 61 81| 61 83| 64 84| 65 85| 65 85|
WIND | 3 5| 4 6| 4 7| 5 7| 5 8| 5 8|
PREC.
PROB. 24 | 17 | 30 | 29 | 33 | 32 | 32 |

COLUMBUS

DAY DATE | SUN 15| MON 16| TUE 17| WED 18| THU 19| FRI 20|
TEMP
MIN/MAX | 58 86| 62 86| 64 86| 65 87| 68 89| 68 89|
WIND | 2 4| 2 4| 2 5| 3 5| 3 5| 3 6|
PREC.
PROB. 24 | 13 | 26 | 28 | 31 | 33 | 34 |

CINCINNATI

DAY DATE | SUN 15| MON 16| TUE 17| WED 18| THU 19| FRI 20|
TEMP
MIN/MAX | 58 81| 63 86| 68 89| 68 90| 69 89| 70 89|

WIND | 3 6| 3 7| 4 7| 5 7| 6 7| 6 8|
PREC.
PROB. 24 | 7 | 20 | 25 | 28 | 32 | 33 |

DAYTON

DAY DATE | SUN 15| MON 16| TUE 17| WED 18| THU 19| FRI 20|
TEMP
MIN/MAX | 56 86| 64 86| 66 87| 68 88| 69 91| 67 90|
WIND | 3 5| 3 5| 3 5| 4 6| 4 6| 4 6|
PREC.
PROB. 24 | 12 | 24 | 26 | 29 | 32 | 33 |

TOLEDO

DAY DATE | SUN 15| MON 16| TUE 17| WED 18| THU 19| FRI 20|
TEMP
MIN/MAX | 56 83| 60 82| 60 85| 64 86| 65 87| 64 85|
WIND | 2 6| 2 6| 3 7| 4 7| 5 8| 5 7|
PREC.
PROB. 24 | 21 | 31 | 28 | 31 | 31 | 31 |

YOUNGSTOWN

DAY DATE | SUN 15| MON 16| TUE 17| WED 18| THU 19| FRI 20|
TEMP
MIN/MAX | 52 79| 57 81| 57 83| 60 84| 61 85| 61 84|
WIND | 3 6| 3 5| 4 6| 4 6| 5 6| 5 6|
PREC.
PROB. 24 | 14 | 29 | 30 | 35 | 33 | 33 |

* 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

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

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.

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.

All educational programs and activities conducted by Ohio State University Extension are available to all potential clientele on a nondiscriminatory basis

without regard to race, color, creed, religion, sexual orientation, national origin, sex, age, handicap or Vietnam-era veteran status.