

Septoria Leaf Spot on Tomatoes
R. Riedel

Septoria Leaf Spot is developing rapidly now on lower leaves of process and fresh market tomatoes. Weather conditions in the last couple of weeks has been perfect for disease development. This fungal disease will only affect leaves. But if defoliation is more than 50% before the fruit sizes it can cause significant loss. Strobiluron fungicides are very effective for control of this disease. Chlorothanolin fungicides, for example Bravo, which are commonly used in rotation with Strobiluron fungicides is less effective. See page 241 of the 2003 OH Vegetable Production Guide for recommended materials (hard copy or online edition). For pictures to help in diagnosis of this disease, go to the following link: [Click Here](#)
One picture shows the difference between early blight and septoria lesions on tomato leaves.

Sweet corn insect pests
Celeste Welty

Corn earworm activity this week again ranges from none at some sites to moderate levels at other sites. Sweet corn in the silking stage should be treated with insecticide if corn earworm moths are active. The suggested interval between sprays ranges from 2 days to 7 days, depending on pest pressure and temperature. A detailed table of spray intervals is shown in the sweet corn chapter of the Ohio Veg Production Guide. The number of corn earworm moths caught in pheromone traps during the past week were 0 in Meigs County, 6 in Washington County, 0 in Franklin County, 1 in Clark County, 1 in Miami County, 0 in Wayne County, 0 in Sandusky County, and 0 in Wood County. In areas such as Washington County that currently have moderate levels of corn earworm moths (3.5 to 7 moths per week trapped), a 4- or 5-day spray schedule is needed during silking: 5-day if daily high temperatures are below 80 F or 4-day if temps are above 80 F. Activity of European corn borer moths remains low, as is typical during July when this pest is between generations. The number of European corn borer moths caught in pheromone traps during the past week were: 1 in Meigs County, 2 in Washington County, 1 in Franklin County, 1 in Clark County, 1 in Miami County, 0 in Wayne County, and 0 in Sandusky County. Blacklight traps at Columbus, Fremont, and Hoytville show similar trends of negligible activity of European corn borer moths. Fall armyworm moths remain active in Franklin County (13 moths) and Huron County (17 moths). Presence of moths in traps means that sweet corn should be scouted once per week for evidence

of fall armyworm larvae in whorls or tassels. Fall armyworm should be treated if at least 15% of whorls are infested. In areas such as northern Ohio that currently have no corn earworm moths and negligible European corn borer moths, sweet corn in the silk stage does not require insecticide spray, unless Japanese beetles or rootworm beetles are clipping silks.

Vegetable Crops Day,
Wednesday, August 6, 2003

FREMONT, Ohio- Vegetable growers can learn more about research that may expand their pesticide arsenal at the Vegetable Crops Field Day on Wednesday, August 6. The event will be held at The Ohio State University's Ohio Agricultural Research and Development Center's (OARDC) Vegetable Crop Branch.

There are two parts to the field day.

Part 1 consists of a walking tour of various vegetable fields in the Fremont area from 1:00 to 3:00 PM. The tour originates from the Vegetable Crops branch, 1165 County Rd. 43 in Fremont. This will provide an opportunity for discussion with OSU research and extension faculty.

Part 2 of the field day will begin at 3:30 p.m. with a wagon tour stopping at projects throughout the branch. Projects on this year's tour include: tomato breeding, drip irrigation and potassium injection effects on processing tomatoes, cabbage variety trials, vegetable weed control, herbicide carryover affects on vegetable crops, and tomato fungicide controls.

Also on the schedule will be a project on IR-4 minor use crop label studies. Minor crops are those crops grown on less than 300,000 acres. This group includes most fruits and vegetables.

Admission to both events is free, and a dinner will be served at 6 p.m.

Vegetable Crops Field Day is sponsored by OARDC and Ohio State University Extension. OARDC's Vegetable Crop Branch is located at 1165 Country Road 43, just off of State Highway 53.

For more information contact Mark Koenig, 419-334-6340 or Matt Hofelich, 419-332-5142.

Pumpkin Production Guide

This new publication was published in June 2003 by the Natural Resource, Agriculture and Engineering Service a consortium of 14 land grant universities dedicated to increasing the public availability of research based information.

This publication, written mostly by authors in the northeast states, covers both the basics of pumpkin production and some new research areas. The book is made up of 12 chapters: History and Biology; Soil and nutrient management; Varieties; Cultural practices; Flowering, pollination and fruit set; Weed management; Disease

management; Insect and mite management; Wildlife management; Harvest and postharvest handling; Economics of pumpkin production; and Marketing. The price is \$39.00 for a single copy plus \$6.00 for shipping and handling. There is a discount for bulk orders.

To order or for more information, contact:

NRAES, Cooperative Extension;

PO Box 4557,

Ithaca, NY 14852-4557;

phone 607-255-7654;

fax: 607-254-8770;

email: nraes@cornell.edu

Web site: www.nraes.org

The 7 Day Outlook

R. Precheur

July 23, 2003; On Wednesday, A FLOOD WATCH CONTINUES FOR THE NORTHEASTERN COUNTIES WHERE LOCALLY HEAVY RAIN HAS OCCURRED BOTH MONDAY AND TUESDAY.

THE UPPER LEVEL LOW WILL FINALLY MOVE EAST OF THE STATE THURSDAY WITH HIGH PRESSURE BUILDING IN FROM THE WEST. THE HIGH WILL BRING DRY WEATHER THURSDAY AFTERNOON THROUGH SATURDAY MORNING. ANOTHER COLD FRONT WILL DROP SOUTHEAST INTO OHIO BY SATURDAY EVENING BRINGING MORE SHOWERS AND THUNDERSTORMS BACK INTO THE STATE. THE FRONT WILL STALL IN THE STATE PROVIDING A CONTINUING CHANCE FOR SHOWERS AND STORMS FOR PARTS OF THE STATE THROUGH TUESDAY.

Akron Canton

Day/Date | FRI 25| SAT 26| SUN 27| MON 28| TUE 29| WED 30

Temp Min Max| 64 76| 68 75| 66 72| 64 71| 65 72| 66 73

POP 24 hrs | 13| 34| 37| 25| 33| 38

Cincinnati-

Day/Date | FRI 25| SAT 26| SUN 27| MON 28| TUE 29| WED 30

Temp Min Max| 65 83| 69 81| 70 78| 66 77| 68 79| 70 78

POP 24 hrs | 7| 23| 28| 24| 32| 25

Cleveland

Day/Date | FRI 25| SAT 26| SUN 27| MON 28| TUE 29| WED 30

Temp Min Max| 67 79| 70 76| 67 74| 66 73| 67 75| 67 74

POP 24 hrs | 13| 38| 33| 24| 32| 38

Columbus

Day/Date | FRI 25| SAT 26| SUN 27| MON 28| TUE 29| WED 30

Temp Min Max| 67 82| 70 79| 69 77| 66 77| 68 77| 68 77
POP 24 hrs | 12| 29| 37| 25| 35| 35

Dayton

Day/Date | FRI 25| SAT 26| SUN 27| MON 28| TUE 29| WED 30
Temp Min Max| 66 80| 69 79| 67 76| 65 74| 66 76| 67 77
POP 24 hrs | 11| 29| 32| 24| 34| 31

Findlay

Day/Date | FRI 25| SAT 26| SUN 27| MON 28| TUE 29| WED 30
Temp Min Max| 65 80| 68 77| 65 74| 64 74| 65 75| 66 73
POP 24 hrs | 7| 33| 28| 19| 29| 31

Mansfield

Day/Date | FRI 25| SAT 26| SUN 27| MON 28| TUE 29| WED 30
Temp Min Max| 65 78| 69 75| 65 72| 64 71| 65 72| 66 72
POP 24 hrs | 14| 37| 39| 29| 39| 43

Toledo

Day/Date | FRI 25| SAT 26| SUN 27| MON 28| TUE 29| WED 30
Temp Min Max| 65 80| 69 77| 65 76| 65 76| 66 76| 65 75
POP 24 hrs | 7| 39| 27| 20| 30| 33

Wilmington

Day/Date | FRI 25| SAT 26| SUN 27| MON 28| TUE 29| WED 30
Temp Min Max| 64 78| 69 78| 68 75| 64 74| 66 76| 67 75
POP 24 hrs | 11| 27| 32| 26| 35| 30

Zanesville

Day/Date | FRI 25| SAT 26| SUN 27| MON 28| TUE 29| WED 30
Temp Min Max| 63 80| 67 80| 67 76| 63 75| 65 75| 65 77
POP 24 hrs | 10| 26| 34| 23| 32| 32

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.

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