

Vegetable Disease Update
R. M. Riedel

Angular Leaf Spot has been confirmed on pumpkins in both northern and southern OH. For a description of symptoms see VegNet #19 or the VegNet website. This problem is widespread and also being reported in IL, IN and other midwest states. Early Blight on tomatoes is really cooking in some fresh market tomato plots. Be sure to follow control recommendations in the OH Vegetable Production Guide and the rate of DSV accumulation if you live near a TOMCAST reporting station (see the TOMCAST DSV report below).

Septoria Leaf Spot on Tomato. This is about the time to go looking for Septoria on tomato. Older leaves are the first to show symptoms which appear as small, dark watersoaked spots. These later enlarge to form circular spots, 3 mm in diameter, having black or brown borders with gray centers peppered with tiny black specks. See the TOMCAST section of the VegNet website for pictures and a more detailed discussion.

Veg Insects
C. Welty

Potato leafhopper:

Leafhopper activity has been high for the past few weeks. In addition to the usual hosts of potato and snap beans, there are reports of leafhopper injury to cucumbers and strawberries, and possibly tomatoes. Typical symptoms are hopperburn (when edges of leaves turn yellow then brown) and leaf cupping. Pyrethroid insecticides work well for controlling this pest in adult and nymph stages. Pyrethroids include Pounce, Ambush, Asana, Baythroid, Warrior, Scout X-tra, and Brigade; check the labels to be sure which is registered for specific crops. Carbaryl (Sevin) usually works well against this pest, but may be less effective against large numbers of adult leafhoppers than against more moderately sized populations.

European corn borer:

During the next two weeks, pepper and sweet corn growers should be on the lookout for emergence of the second generation of European corn borer. Few adults (moths) are active now, as we are between generations. At Fremont, the first flight began on 29 May, peaked on 18 June, and has been low since 30 June. The lull between generations usually is 3 to 4 weeks. New moths usually begin emerging and laying eggs in late July. A critical time for control of young larvae is early to mid-August.

Variegated cutworm:

Our pheromone trapping study in Columbus is showing consistently higher catches in standard unitraps, which are yellow, white, and green, than in all-green unitraps or in standard sticky cardboard traps. In tomato research fields in Columbus, an average of 5 moths were caught in standard unitraps last week, which is down from 20 the previous week. Also in standard unitraps, last week in Hillsboro the average catch was 7, and in 2 fields near Gibsonburg (Sandusky County) average catches were 1 and 1.

Corn earworm:

Pheromone trap catch was 0 last week in Greene County. Traps were just set up at Fremont and Columbus. Anyone who is trapping is encouraged to send weekly trap reports to be included in VegNet.

TOMCAST and BLITECAST Update
DSV Hotline 800-228-2905
Jim Jasinski

TOMCAST DSV, BLITECAST SV, Report.

As of July 22, information concerning TOMCAST DSV, BLITECAST SV, and rainfall for the previous 7 days will be given in that order for each station below:

Ohio Freshmarket:

Claridon-46, 43, 0.33"

Hillsboro-66, 65, 0.0"

Racine-95, 62, 0.0"

Ohio Processing:

Fremont-72, 37*, 0.33"

Tipp City- 74, 38*, 0.08"

Napoleon- 94 DSV as of July 17

Pandora- 85 DSV as of July 17

Indiana Processing:

Hobbs- 74, 44, 0.35"

Kokomo- 68, 32, 2.76"

LaCrosse- 55 DSV as of July 14, 37, .61"

Union City- 72, 23, 0.21"

Michigan Processing:

Constantine- 55, 15, 0.27"

Petersburg- 64, 49, 0.73"

* Stations currently under a Late Blight warning. If fields have not been treated in previous 7-10 days, scout for the presence of the fungus and treat if necessary.

To this date, Late Blight has not been detected in OH, IN, or MI. It has been found in Wisconsin recently. The field in Adams county emerged on May 27. Eighteen SV's were surpassed on June 6. Late Blight appeared 14 days later on June 19.

Insect Trap Reports

Tipp City, OH -

1 Variegated Cutworm Moths captured in pheromone traps as of July 23.

Petersburg, MI Monroe County,(P. Marks),
European corn borer pheromone traps, 3 traps,

July 15: 0, 0, 2;

July 8: 2, 0, 1;

July 1: 3, 22, 11;

June 24: 89, 127, 78;

June 17: 53, 62, 52

Variegated cutworm pheromone

July 15: 9;

July 8: 6;

July 1 5;

June 24: 2;

June 17: 4

Information concerning TOMCAST DSV and BLITECAST SV can be found on DTN & FarmDayta networks under both the Ag and Produce sections

Crop Reports

B. Bergefurd and R. Overmyer

SouthWest.

Sweet corn harvest is in full swing with growers concerned with rumors in the marketplace that large harvests are being made, therefore prices have been somewhat lower than at the same time in past seasons. Yields have been average for most varieties with troubled areas being in the low lying areas of fields where Nitrogen leaching occurred due to heavy spring rains.

Harvest of Summer Squash, cabbage, cucumbers, Kale and Collards continue. Melons are netted and first harvest should be made within the next 10 days to 2 weeks, weather dependent. Prices for these products continue to be average with good demand. Several large chain stores in Ohio are beginning to run ads targeting Ohio grown items such as cabbage, beans and squash.

Harvest of green beans and half runner beans is in full swing. Prices for both types remains average to above average with good demand in the marketplace Growers have been spending the past 7 to 10 days moving Irrigation Guns and pipes around the clock since most areas have received little or no rain the past 15 days.

Downy mildew has been spotted on muskmelon plants. Angular leaf spot has been diagnosed in a pumpkin field. Tomato fruit have reached the mature green stage and some are showing color.

Potato Beetle pressure still remains in tomato crops. Cucumber beetle pressure in pumpkins and melons has diminished.

Remember to mark your calendars for the OSU Extension Enterprise Center Annual Horticulture Field Night, Monday August 18, 6:00 p.m. to Dusk, at Southern State Community College, Route 62 North of Hillsboro (Highland County).

Come and view over 15 field trials, including Pumpkin variety trials, Fresh Market Tomato trials, Trickle irrigation and fertigation on pumpkins, Tomato IPM trials and Colored Pepper trials to name a few.

Also a Manufacturer of mechanical Pepper harvesters from Pennsylvania will be demonstrating one of their machines so growers can see how it can be used to harvest Bell Peppers. Questions regarding the field night, give Brad Bergefurd a call @ 1-800-860-7232. HOPE TO SEE YOU THERE

North Central

Pickling cucumber harvest began this week. The first deliveries were on Monday. It is expected to be a good first picking. There was a lot of female flowers on the first set. Fruitworms were found on a field of processing tomatoes. The crop is progressing well. No serious problems are being reported at this time.

What's New At The VegNet Web Site

In Problem Of The Week, see:

Bacterial Wilt in Pumpkins.

Foliar Bacterial Diseases On Pumpkin leaves

Tour of Vegetable Production in the OHIO River Valley

The Washingtín/Meigs County Vegetable Tour

Piketon Horticultural Field Day

Cuke beetle damage in: "Problem Of The Week"

Visit: "The Talk Between The Rows"

More On TOMCAST and Early Blight Visit TOMCAST

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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