

Scab on Gourds
R. M. Riedel

This disease is most serious on cucumbers but can also affect pumpkins and gourds. The disease was found in a gourd patch in eastern OH this past week and vine crop growers should keep an eye out for it. Symptoms resemble angular leaf spot in that circular to angular, brownish, watersoaked spots with yellow margins appear on the leaves. Young tissue when attacked, becomes watersoaked and quickly dies. Watersoaked spots appear on young fruit which develop into crater-like depressions as the fruit grows. Later the infected area becomes an irregular, corky, tan scab. For pictures of fruit symptoms, see: Problem Of The Week at the VegNet website.

Veg Insects
Celeste Welty

Corn earworm (= tomato fruitworm) has finally arrived! Most trap locations have reported nothing but zero catches of moths in pheromone traps so far this season, but traps at several sites began catching moths on 15 August. Weekly trap catches were 32 moths in Celeryville (as of 8/19), 8 in Columbus (as of 8/19), 4 in Xenia (as of 8/15), zero in Fremont (as of 8/15), and zero in Hillsboro and Gibsonburg (as of 8/13). If silking sweet corn was being sprayed with insecticide on a 5-7 day schedule to control European corn borer, the schedule needs to be intensified once corn earworm moths are active in large numbers. As summarized on p. 135 of the 1997 Ohio Veg. Production Guide, the best spray interval depends on temperature and the moth population density. With the cool temperature currently prevailing, treatment should be every 5 days where trap catch is 6-90 moths per week, or every 4 days where trap catch is >90 moths per week. If temperatures go above 80F, then the schedule should change to every 3 to 4 days.

European corn borer:

The second generation of moths continues to be active for the third week. About 50-70 corn borer moths per night were caught last week in our blacklight trap at Fremont. Peppers and sweet corn continue to need protective insecticide sprays as long as moths are active and laying eggs. Sprays target young larvae before they bore into plants. In blacklight traps sponsored by Elf Atochem, corn borer moth catches for the past week were 824 in Allen County, 150 in Erie Co., 299 in Henry Co., 165 in Van Wert Co., and 230 in Wood Co.

Variegated cutworm:

Fewer moths have been caught in the pst week. The catch of moths in standard unitraps last week was 12 in Columbus, 1 in Hillsboro, 3 and 2 in Gibsonburg, 6 in Fremont. Tomato fields should continue to be scouted once per week for cutworm damage to fruit.

Other pests:

There was an increase in stink bug damage on tomato fruit last week in both northern and southern Ohio; damage is golden blotches or cloudy spots on fruit.

Grasshopper nymphs are abundant in tomato and other crops in northern, western, and southern Ohio; they usually are content to chew on leaves of weeds, but they can chew shallow patches on the surface of green tomato fruit.

Pale-striped flea beetle is abundant in Hillsboro on weeds, pumpkins, and other crops.

Squash bug eggs are commonly found on undersides of pumpkin leaves. Bean leaf beetle is damaging only to beans but is being found in tomatoes and other crops; it is reddish brown with 4 square spots on its back, and about the size of a cucumber beetle.

Corn leaf aphid is extremely heavy on sweet corn and is also being found on tomato, where up to 20 winged aphids per tomato fruit have been seen.

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

TOMCAST DSV, BLITECAST SV, Report.

As of August 19, 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-70, 60, 3.0"

Hillsboro-102, 84, 1.74"

Racine-95 DSV as of July 18

Ohio Processing:

Fremont-116, 56*, 2.45"

Tipp City- 113, 51, 2.03"

Napoleon- 144 DSV as of August 18

Pandora- 134 DSV as of August 18

Indiana Processing:

Hobbs- 109, 59*, 1.83"

Kokomo- 105, 57*, 2.78"

LaCrosse- 117, 80, 2.1"

Union City- 107, 24, 2.42"

Michigan Processing:

Constantine- 85, 30, 4.33"

Petersburg- 101, 75*, 2.97"

* 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.

** Stations within 1 or 2 severity values away from Late Blight Warning.

To this date, Late Blight has not been detected in OH, IN, or MI.

Insect Trap Reports

Tipp City, OH - 6 Variegated Cutworm Moths captured in sticky trap and 2 in unitrap as of August 13.

Meigs, County, OH For the period 5 Aug. To 12 Aug. 18; ECB: 18; VCW: 1; CEW: 2.

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

August 11: 1, 7, 11

August 4: 0, 0, 0;

July 28: 0, 0, 0;

July 22: 0, 0, 0;

July 15: 0: 0, 2;

July 8: 2, 0, 1;

July 1: 3, 22, 11.

Variegated cutworm pheromone,

August 11: 12

August 4: 10;

July 28: 6;

July 22: 7;

July 15: 9;

July 8: 6;

July 1 5. 4

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

Crop Reports

Brad Bergefurd, Ron Overmyer

North Central

The recent rains gave a boost to the tomato and pickling cucumber crop. Non-irrigated pickles were starting to lose production. The cool weather is slowing the harvest down. There is still two to three weeks left in the season. Most growers should have a very good to excellent year. There are some spot labor shortages. Tomato size should be enhanced by the recent rains. Ethrel has been applied to some fields. The Heinz Haul trailers are being dispersed to field locations. Harvest is expected to begin next week. Bacterial speck and spot continues to be reported. Processing cabbage harvest was halted due to the rains. The early crop is good.

There are some leaf disease problems occurring in pumpkins. Samples have been sent to OSU for identification.

South West

Harvest of fresh market Peppers, Sweet Corn, Summer Squash, Cabbage, Tomatoes, Melons, Kale, Beans and Half Runner Beans continues.

Many growers have experienced severe cracking on melons and tomatoes from the heavy rains, over 4 inches in some areas the past week. Prior to this many areas were experiencing VERY dry conditions with little or no rain for upwards to 4 weeks in some spots. Then the heavy rains caused a rapid uptake of water by the plants causing the fruit to crack and burst. The heavy rains have also made it difficult for mechanical harvest of beans and sweet corn and also to apply fungicides and insecticides.

Blossom End Rot calls continue to come in from growers on pepper and tomato fruit, due to the plants stress due to lack of water when these fruit were being set. A gap in the harvest / supply of Sweet Corn , Beans and Half Runner beans may occur on or around the Labor Day Weekend according to some growers.

Bacterial wilt is and continues to show up on melon and pumpkin plantings.

Pumpkin fruit set looks good on the areas crops and with the rains at this stage of fruit enlargement, fruit size should be average to above average.

The first harvest for Red Processing Peppers should occur within the next 7 - 10 days.

The Enterprise Center Annual Horticulture Field Night in Hillsboro was well attended by about 100 growers, researchers, Extension Personnel and Industry Representatives.

For those that could not attend the Field Night feel free to call Brad at 614-289-3727 to schedule a visit to the field trials or to request results from this years or past years trials.

What's New At The VegNet Web Site

Horticulture Field Night At The Enterprise Center, Hillsboro, OH

Take The Mini Tour.

For tours and info, Call: Brad Bergefurd at: 1-800-628-7722 for details.

Highlights From Muck Crops Day

My Pumpkins Are Bigger Than Yours - Week 5

A weekly peek at our pumpkin patch. Check out our vine growth, fruit set, fruit size and more. Get a look at problems we are facing or just enjoy how much our pumpkins have grown. Also, each week, we offer some timely growing tips. Check It Out at the VegNet website!

In Problem Of The Week, see:

Scab on Gourds

Powdery Mildew-Pumpkins and

Septoria Leaf Spot on Tomatoes.

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".

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