

BACTERIAL WILT on Pumpkins plus
Foliar Bacterial Diseases on Pumpkin Leaves
R. M. Riedel

1. Where there was a Furadan application failure or where no at-planting insecticide was applied, pumpkin plants not protected were attacked by cucumber beetles. Now, about 3 weeks later, we are already finding bacterial wilt in certain pumpkin varieties. Growers who left squash, muskmelons or other vine crops unprotected from cucumber beetle attack may already have bacterial wilt symptoms in their fields.

2. We are also seeing foliar bacterial diseases showing up on pumpkin leaves. While we are still getting the proper identification of these bacteria, we do have typical symptoms to show you of both the Bacterial wilt, mentioned before and the bacterial foliar diseases at the VegNet website. See: "Problem of the Week". Stay tuned for the final identification of the foliar disorders.

Bacterial Wilt on Pumpkins. Symptoms:

First symptoms appear as dull green wilted areas on the leaf. A closer view of the leaf shows a dark olive green color between main leaf veins. This area rapidly becomes necrotic, (turns dark brown), with some yellowing is seen around the dead areas. Also, a distinct necrosis and chlorosis, (yellowing), develops around the leaf margins before the entire plant collapses and dies. Young pumpkin plants normally loose vigor, wilt and die about 2 weeks after the initial signs of infection. Plants showing symptoms at a later stage usually have some portions of the vines showing complete collapse.

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

TOMCAST DSV, BLITECAST SV, Report.

As of July 8, 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-34, 40, 1.33"

Hillsboro-51, 56, 0.96"

Racine-83, 50, 0.64" (Current DSV due to correction in temperature)

Ohio Processing:

Fremont-56, 31, 0.35"

Tipp City- 55, 33**, 0.1"

Napoleon- 64 DSV as of June 29

Pandora- 53 DSV as of June 29

Indiana Processing:

Hobbs- 50, 35**, 0.0"

Kokomo- 45, 22, 0.07"

LaCrosse- 39 DSV as of June 30

Union City- 54, 22, 0.37"

Michigan Processing:

Constantine- 34, 11, 0.24"

Petersburg- 48, 43, 0.05"

* 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 under 3 Severity Values away from Late Blight rning.

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 -

3 Variegated Cutworm Moths captured in pheromone traps as of July 8.

Petersburg, MI Monroe County,(P. Marks),

European corn borer pheromone traps, 3 traps,

July 8: 2, 0, 1;

July 1: 3, 22, 11;

June 24: 89, 127, 78;

June 17: 53, 62, 52

Variegated cutworm pheromone

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

H. Kneen

Southeast

Meigs County Report

Sweet corn continues to be harvested, Temptation and some of the early numbered varieties. Some corn has been irrigated due to scattered rainfall. European Corn Borer flight is even lower this week, only 2 captured in the helio-trap. No Corn earworm trapped.

Tomatoes continue to grow. Some early varieties have scattered fruit that are red: Sunbrite, Sunstart, PikRed. Early blight found in several fields, especially where

fungicides sprays were not sprayed or inadequately sprayed. Buckeye rot found in a field of continuous tomatoes, grower starting to agree that perhaps he needs to rotate fields and improve drainage conditions.

Half-runner beans , beets, cucumbers, squash, potatoes are all being picked for local markets. Peas and cabbage are just about complete.

Muskmelons are able the size of softballs.

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

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