

European corn borer alert
C. Welty

Pepper growers should be aware that in northern Ohio we are seeing the start of a third generation of European corn borer. There was a sharp increase in the number of European corn borer moths caught in blacklight and pheromone traps starting last Saturday (7 Sept.) with high numbers on tuesday (10 Sept.). This trend has been seen in Hoytville, Fremont, and Celeryville. With the arrival of a cold front in mid-week, moth catch numbers were low the past 2 days. We should assume that egg laying could have been heavy throughout this week on peppers. With the current hot days and cool nights, the eggs will probably take about 5 days to hatch. Although acephate (Orthene) is the most effective insecticide to control this pest, most growers used their two allowed applications of Orthene to control the second generation. Other insecticides that can be used are spinosad (SpinTor) which has a 1-day preharvest interval, or the pyrethroids Pounce (3-day PHI), Baythroid (7-day PHI), Capture (7-day PHI); or Confirm (7-day PHI). During peak egg hatch, SpinTor should be used on a 5-day schedule rather than the 7-day schedule used for other insecticides. The possibility of a 24C label to allow for additional Orthene applications is being explored with EPA and ODA but is not looking likely for approval at this point.

Sunscald on Pumpkins
Bob Precheur

The recent spell of very hot weather with at least 5 days in the mid to upper 90's have caused more problems for pumpkin growers. The intense heat and bright sunshine has damaged or scalded the surface of mature fruit. Pumpkins without irrigation and certain varieties seem more susceptible. The affected areas start as small dark red patches on the surface. Soon these areas become sunken and start to soften. The soft areas of the fruit are susceptible to secondary infections and eventually the fruit collapse. For a review of these symptoms, go to the VegNet website and click on: "Problem of the Week". If hot temperatures and bright sunshine persist or return, remove fruit to a location where you can provide adequate storage conditions. These include: dry conditions with good air circulation and cool air.

The September heat spell probably caused temperatures on the surface of the fruit to exceed 100 degrees. Respiration rates rapidly rise at this elevated temperature causing rapid breakdown of the fruit. The return to much cooler weather should help the current situation. The ideal storage conditions for pumpkins are warm and dry with temperatures 55 to 60 degrees and a relative humidity about 50%.

The 7 Day Outlook*
By Robert Precheur

AKRON-CANTON

DAY DATE | SAT 14| SUN 15| MON 16| TUE 17| WED 18| THU 19| FRI 20|
NORMAL

TEMP MIN/MAX | 58 79| 59 64| 47 64| 49 71| 52 73| 54 74| 52 71| 53 73
WIND | 6 9| 7 9| 6 7| 5 6| 5 8| 7 9| 7 9| 5 8
PREC. PROB. 24| 66 | 88 | 13 | 10 | 27 | 41 | 39 | 34

CLEVELAND

DAY DATE | SAT 14| SUN 15| MON 16| TUE 17| WED 18| THU 19| FRI 20|
NORMAL

TEMP MIN/MAX | 58 80| 61 64| 47 66| 51 71| 53 74| 55 74| 53 71| 54 73
WIND | 5 9| 7 8| 5 7| 5 7| 5 8| 6 10| 7 9| 6 8
PREC. PROB. 24| 60 | 85 | 10 | 10 | 27 | 42 | 40 | 36

COLUMBUS

DAY DATE | SAT 14| SUN 15| MON 16| TUE 17| WED 18| THU 19| FRI 20|
NORMAL

TEMP MIN/MAX | 61 77| 62 68| 50 70| 51 74| 54 77| 56 76| 56 74| 54 76
WIND | 3 6| 4 6| 4 5| 2 5| 3 6| 4 7| 4 7| 4 6
PREC. PROB. 24| 80 | 88 | 16 | 12 | 29 | 41 | 38 | 27

CINCINNATI

DAY DATE | SAT 14| SUN 15| MON 16| TUE 17| WED 18| THU 19| FRI 20|
NORMAL

TEMP MIN/MAX | 63 79| 62 68| 50 69| 52 73| 55 75| 58 76| 56 74| 56 77
WIND | 6 8| 7 7| 6 6| 4 6| 5 7| 6 8| 6 8| 5 7
PREC. PROB. 24| 85 | 85 | 19 | 14 | 31 | 40 | 38 | 27

DAYTON

DAY DATE | SAT 14| SUN 15| MON 16| TUE 17| WED 18| THU 19| FRI 20|
NORMAL

TEMP MIN/MAX | 61 79| 60 66| 47 67| 50 74| 53 75| 56 75| 53 73| 54 76
WIND | 5 7| 6 7| 4 5| 4 6| 5 7| 6 8| 6 8| 5 7
PREC. PROB. 24| 79 | 84 | 14 | 12 | 29 | 41 | 39 | 27

TOLEDO

DAY DATE | SAT 14| SUN 15| MON 16| TUE 17| WED 18| THU 19| FRI 20|
NORMAL

TEMP MIN/MAX | 59 76| 57 65| 42 68| 48 72| 51 75| 53 74| 52 71| 51 74

WIND | 4 8| 7 9| 6 8| 3 5| 4 8| 6 9| 7 8| 5 7
PREC. PROB. 24| 59 | 78 | 7 | 11 | 28 | 42 | 39 | 32

YOUNGSTOWN

DAY DATE | SAT 14| SUN 15| MON 16| TUE 17| WED 18| THU 19| FRI 20|

NORMAL

TEMP MIN/MAX | 55 80| 59 64| 44 64| 48 71| 50 74| 52 74| 52 71| 51 72

WIND | 5 8| 6 8| 5 6| 4 6| 4 7| 5 8| 7 8| 5 7

PREC. PROB. 24| 58 | 89 | 13 | 10 | 27 | 41 | 40 | 36

* 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.

NORMAL - The normals for Tuesday, September 17.

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](#)

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