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Beet Armyworm Infesting Ohio Peppers

C. Welty

The beet armyworm, a well known pest of vegetables in the southern USA, has shown up in Meigs and Greene County, Ohio. The worms in Greene County this week were abundant, feeding on leaves and in fruit, and were not killed by Pounce or Orthene. This pest has also been present in Meigs County peppers and tomatoes for the past several weeks.

Beet armyworm larvae are green and vary in striping pattern but most have some dark stripes down the side. When fully grown, they are 25-30 mm, or just over one inch long.

In addition to peppers, beet armyworm can infest alfalfa, beans, beets, cole crops, corn, lettuce, onion, potatoes, peas, and tomatoes. Beet armyworm is much disliked by growers because it is difficult to control by the insecticides commonly used on commercial vegetables.

For control of beet armyworm on peppers, Confirm (tebufenozide) and SpinTor (spinosad) are superior to other products. Confirm works well on worms of all sizes; it has a 7-day PHI. SpinTor is excellent against small larvae but only good against large larvae; it has a 1-day PHI. B.T. products provide fair control, and only products made from the aizawai strains are recommended; Agree, XenTari, Ketch are aizawai products. Lannate, Baythroid and other pyrethroids are poor. In Kentucky, the number of treatments needed has ranged from 1 to 4. Beware that Confirm and SpinTor are considerably more expensive than Orthene, Pounce, and other materials.

The key to good control is early identification. Growers should scout the peppers for early signs of leaf damage to the upper most buds. They will attack the youngest leaves, window paning from the upper surface, and some light webbing on the emerging leaves. They attack hot peppers as well as bell peppers. We are grateful to Ric Bessin, Extension Entomologist in Kentucky, for this information on

control and scouting.

Refer to the Univ. of KY factsheet (URL address below) for pictures of the worm and damage to a pepper plant.

[http://www.uky.edu/Agriculture/Entomology/entfacts/veg/ef308 .htm](http://www.uky.edu/Agriculture/Entomology/entfacts/veg/ef308.htm)



The 7 Day Outlook*

By Robert Precheur

Very cold air will arrive in OH next weekend, the coldest blast so far this season. When this cold air meets up with warm, moist airflow from the south and the leftovers of Isidore, substantial amounts of rain may occur. Vegetable growers should pay close attention to weather forecasts, late next week because if the storm tracks west of the Appalachians, there could be an interruption in field operations for a few days.

AKRON-CANTON

DAY DATE	SAT 21	SUN 22	MON 23	TUE 24	WED 25	THU 26
TEMP						
MIN/MAX	60 72	53 69	47 61	43 63	45 65	45 65
WIND	9 9	6 8	7 9	7 9	7 8	7 9
PREC.						
PROB. 24	67	66	51	42	37	38

CLEVELAND

DAY DATE	SAT 21	SUN 22	MON 23	TUE 24	WED 25	THU 26
TEMP						
MIN/MAX	62 72	54 68	49 61	44 63	46 65	47 66
WIND	9 9	6 9	7 9	6 10	6 9	7 9
PREC.						
PROB. 24	69	64	50	43	37	38

COLUMBUS

DAY DATE	SAT 21	SUN 22	MON 23	TUE 24	WED 25	THU 26
TEMP						
MIN/MAX	61 74	56 71	47 64	44 66	47 69	47 68
WIND	5 6	4 6	5 7	5 7	4 6	4 7
PREC.						
PROB. 24	69	63	45	40	36	37

CINCINNATI

DAY DATE	SAT 21	SUN 22	MON 23	TUE 24	WED 25	THU 26
TEMP						
MIN/MAX	60 73	54 67	48 63	45 63	48 68	49 68
WIND	6 7	5 8	7 9	6 8	5 7	6 7

PREC.

PROB. 24	66	60	38	36	35	35
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DAYTON

DAY DATE	SAT 21	SUN 22	MON 23	TUE 24	WED 25	THU 26
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TEMP

MIN/MAX	59 72	52 67	45 62	43 64	45 67	46 67
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WIND	7 7	4 7	6 8	6 8	5 7	6 8
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PREC.

PROB. 24	68	59	40	38	35	36
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TOLEDO

DAY DATE	SAT 21	SUN 22	MON 23	TUE 24	WED 25	THU 26
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TEMP

MIN/MAX	58 70	50 67	42 60	40 62	43 66	43 66
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WIND	8 9	4 10	6 11	6 9	6 9	7 9
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PREC.

PROB. 24	69	56	42	41	34	35
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YOUNGSTOWN

DAY DATE	SAT 21	SUN 22	MON 23	TUE 24	WED 25	THU 26
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NORMAL

TEMP

MIN/MAX	61 72	53 70	46 62	43 64	44 65	45 66
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49 70

WIND	8 8	6 8	6 9	7 9	6 8	7 9
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6 8

PREC.

PROB. 24	66	67	54	44	38	39
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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.



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".

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