

Insecticide News:
C. Welty

Baythroid 2EC is now registered for use on potatoes. This is a pyrethroid made by Bayer Corp. It controls cutworms and potato leafhopper at a rate of 0.8 to 1.6 fl oz/A, and Colorado potato beetle, European corn borer, flea beetles, tarnished plant bug, and cabbage looper at a rate of 1.6 to 2.8 fl oz/A. The preharvest interval is 0 days and there is a limit of 6 applications per year and 16.8 oz/A per year.

Welcome to Dr. Joe Kovach, who joined the OSU faculty on 1 July as coordinator of the integrated pest management (IPM) program and the pesticide impact assessment program (PIAP). Joe has spent the past 13 years as coordinator of fruit IPM programs at Cornell University, where he concentrated on strawberries and apples. He is an Ohio native with a BA degree in zoology from Miami University and MS and PhD degrees in entomology from Clemson University. He is residing in Wooster with offices at both Wooster (Selby Hall) and Columbus (Extension Entomology Bldg.). At OSU, we have never had a position devoted exclusively to these interdisciplinary programs; the IPM program has been administered by the field crops extension entomologist, Hal Willson, and the PIAP program was run by Acie Waldron until his death in 1996 and by Hal Willson since then. Dr. Willson will continue as field crops entomologist.

Problem and Pest News
R. Precheur

More Hot and Dry Weather Expected.

The temperatures have returned to the 90's and rain chances are expected to be low over the next few days. Irrigation equipment and crews are wilting as fast as the crops. While evapotranspiration rates are probably exceeding one inch per week, it is probably not wise to try to make up for water deficits by applying more than 2 inches of water per week when growing a crop like tomatoes. Excess water applied all at one time can increase the incidence of cracking in tomatoes. Avoid overwatering in other crops like muskmelon, where too much water can also affect fruit quality. These are tough decisions for those using overhead irrigation since it may be many days before irrigation pipe can be brought back to fields needing water. It is easier to maintain more even soil moisture levels with trickle than overhead irrigation.

Virus In Pumpkins

The first reports of virus in pumpkins have come in from Hocking county. Plants infected early tend to have reduced fruit set and yield. With later infections, fruit set

tends to be normal but marketability of the fruit may be reduced depending on the severity of symptoms expressed in the fruit. We are evaluating some germplasm this year that has tolerance to certain viruses. Hopefully some of this material will be suitable for production in the near future.

Crop Reports

R. Becker, B. Bergefurd, T. Harker, H. Kneen

From Wayne County:

We seem to be between generations of corn borer at this point. What was a surprise yesterday was our scouts finding sweet corn with ear worm in it. Normally we do not have earworm problems till late August to early September. Flea beetles are hitting late plantings of sweet corn hard as well as doing moderate leaf damage to older stands. Early blight was found on tomatoes on Tuesday - only one leaf found, but it was early blight.

From 08 Jul, I did find powdery mildew on zucchini on Wednesday morning. I also noticed it on a weed called broadleaf plantain, which I can usually use as an indicator as to when I find it on pumpkins (usually a week later). We also have several pumpkin fields that had been hit hard by cucumber beetle now showing bacterial wilt. Female flowers are showing up in the pumpkins we are checking at about a ration of 1 part female to 2 parts male - much different than last year.

SouthWest

Had some rain late last week. Some late plantings of sweet corn and pumpkins are still going in the ground. Sweet corn, yellow squash, zucchini, cucumber, green beans and cabbage harvest continues. Some watermelons have begun to be harvested. There has been no European Corn Borers caught here at Hillsboro. We caught two corn ear worm moths early in the week.

You are invited to the grand opening day of the Bainbridge Wholesale Produce Auction 5 miles South on Route 41 from Bainbridge, just Off U.S. Route 50, 15 miles North of U.S. Route 32, Bainbridge, Ohio, Friday, July 16, 1999. Auction will begin at 11:00 am. Fresh produce locally grown includes: Beans, Beets, Broccoli, Cabbage, Cauliflower, Corn, Cucumbers, Eggplant, Gourds, Lettuce, Melons, Onions, Peppers, Pumpkins, Squash, and Tomatoes. Meet Brad Bergefurd, Extension Agent and the Bainbridge Produce Auction Committee. We will have these professionals at the auction to answer your questions concerning the auction and Horticulture.

For further information, please call the OSU Extension Enterprise Center. Contact: Brad Bergefurd or Melissa at 1- 800-860-7232

SouthWest

Tomato and sweet corn harvest continues. Muskmelon harvest has started and watermelon may start to come in next week. Conditions are still very dry. Crops look OK where irrigation has been applied but those without water are hurting. Some crops have been overwatered. Trap Counts: 2 ECB, 3 CEW.

Summer Vegetable Days
PROCESSING TOMATO AND VEGETABLE CROPS DAY
August 5, 1999 (Thursday) 3:00-5:30 p.m

Held in conjunction with the Ohio Vegetable and Potato Growers Assn.'s Young Grower Tour. Call 614-249-2424 for more information.

WHERE:

OARDC Vegetable Crops Branch,
1165 County Road 43,
Fremont, OH 43420.

(2 miles south of Fremont at the corner of State Route 53 and County Road 43 in Sandusky County).

PROGRAM:- Wagon tours of research plots Includes: Weed Control: Herbicide trials and research for tomatoes, peppers, pumpkins, and cabbage; Processing Tomatoes: What's new in high color, high lycopene, and disease resistant varieties; bacterial leaf spot management, tracking and controlling the elusive stink bug; potassium fertility and internal color problems for "peeler" tomatoes; Fresh Market Tomatoes: Integrated disease, weed, water,; fertility management. Sweet corn and cabbage germplasm evaluations.

Plant and Pest Diagnostic Clinic: Bring samples for free diagnosis.

INFORMATION:

Contact: Ken Scaife, Branch Manager, 419-332-5142,
fax: 419-332-5643

TOMCAST Report

J. Jasinski

DSV Hotline -1-800-228-2905

TOMCAST is a tomato disease forecasting network which many growers find aids in their timing of fungicide applications. As of July 15, the total TOMCAST DSV, are given for each station below:

The current stations and DSV counts as of July 15, 1999:

If you have further questions, please contact: J. Jasinski

at 937-454-5002 or

jasinski.4@osu.edu

The 7-10 Day Outlook*

Temperature:

From 15 Jul to 20 Jul, the mean surface temperature will be 70 to 80 degrees for all of OH.

From 20 Jul to 25 Jul, the mean surface temperature will be 70 to 80 degrees for all of OH.

Precipitation:

From 15 Jul to 20 Jul, expect about 0.5 inches for most of OH, less in the extreme northeast and slightly in the west, central counties of OH.

From 20 Jul to 25 Jul, expect about 1.0 inches or less for most of OH.

During these periods, most of the precipitation will come from thunderstorms and rainfall levels can vary widely in the affected areas.

[Editors Note: Long term precipitation forecasts (5 days or more) are much less accurate than short term (the next 4 to 5 days)..]

What's New At The VegNet Web Site

Visit "Problem Of The Week", See: Spider Mites On Pumpkin Leaves

The Washington/Meigs Vegetable Tour

If you didn't make the tour, take the virtual tour. The Washington-Meigs Annual Twilight Vegetable Tour was held June 23. at Witten Farms, Take the virtual tour and see sweet corn, tomatoes, melons and more.

"Problem Of The Week from July 1"

See:

Command Carryover Damage on Tomatoes

Bacterial Wilt in Melons

Drought Conditions

A New Section to VegNet

This week see our newest section: Vegetable Pest Trap Summary

Here you can review the trap counts of various pests from around the state.

You can get to it from the main homepage.

Impatiens Necrotic Spot on Pepper Transplants

1999 Ohio Vegetable Production Guide - Online. Visit: "The Library

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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