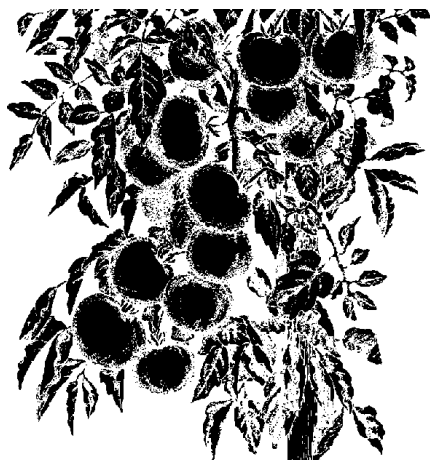


PLANT & PEST ADVISORY

FRUIT EDITION \$1.50

SEPTEMBER 7, 1999



Fruit IPM

Dean Polk, Fruit IPM Agent

Peach

✓ **Lesser Peachtree Borer and Peachtree Borer (LPTB and PTB):** There are two species of borers that commonly infest peach trees. The peachtree borer (sometimes also referred to as the greater peachtree borer) is found at the base of the tree from a few inches above ground to a few inches below ground. Larvae feed in the crown and near the base of the main roots. There is one generation per year. Adults have been flying since mid-June, and their emergence/flight is just about over. This means that egg laying and larval emergence from those eggs is also almost over. Most of the larvae from this year's flight are either in the tree, or have just entered. Therefore, insecticides should be applied for this pest from now through the next 10 days to two weeks. While larvae feed just under the bark, some will be just below ground level. For this reason it is important to use a high volume of spray mix, applied with a handgun. If applied in this manner during early September, Asana has been shown to work well. However, Lorsban 4E offers more flexibility if growers cannot adhere to early September or dilute handgun application methods. Lorsban may have an ability to penetrate deeper into larval tunnels to kill insect larvae.

The other borer, LPTB, has two generations per year. According to trap counts, we are just about at the end of the second generation flight. Most larvae from this insect have entered, or are in the process of entering Cytospora Canker wounds. Since the second flight is almost over, it also time to treat for this insect. Use the same methods and materials as suggested above for PTB. □

INSIDE

Fruit IPM.....	1
Late Season Fruit Pests	2
Fruit Variety Showcase and Tour	2

Late Season Fruit Pests

Peter W. Shearer, Ph.D., Tree Fruit Entomology

✓ Peach Borer Trunk Sprays:

Now is the time to get those trunk sprays on for **peach tree and lesser peach tree borer**. Lorsban 4EC is the best material for controlling borers in the trunk and scaffolds. Apply with a handgun and be sure to saturate the trunk and lower scaffold surfaces in addition to any obvious cankers. Asana is cheaper and less aromatic than Lorsban but not as effective. If borers are a problem, spray younger trees and problem blocks first. Consult the Rutgers' *1999 Tree Fruit Production Guide* for additional information on rates and timing.

✓ Apple Worms:

Most of the wormy apple fruit the last few years is a result of Oriental fruit moth (OFM) infestations. Apples in the Richwood-Aura Districts have had infestations in recent years. It is especially important to make sure the fruit is covered with insecticide during this 4th generation of OFM. Apples planted next to peach are especially at risk. Work conducted in my lab indicates that moths from some orchards have OP resistance. If you suspect control is lacking, switch to Lannate or pyrethroids (Asana, etc.). Consult the Rutgers' *1999 Tree Fruit Production Guide* for additional information on rates. □

The Annual Cream Ridge Fruit Variety Showcase and Tour

- Date:** Thursday, September 9, 1999
Time: Registration and Fruit Displays begin at 3:30 p.m. Tours start promptly at 4:00 p.m.
Place: Rutgers Fruit Research and Extension Center; 283 Route 539, Cream Ridge, NJ 08514
Audience: Commercial Tree and Small Fruit Growers, but all are invited as Rutgers Cooperative Extension provides information and educational programs without regard to sex, race, color, national origin, disability, or age.
Includes: Small and Tree Fruit Research Plot Tours
Fruit Variety Showcase and Discussion
Disease and Insect Diagnostics
Pesticide Recertification Credits
Commercial Trade Exhibits and Demonstrations
Dinner Provided

PROGRAM

Small/Tree Fruit Research Tour (4:00)

- Joseph Fiola - Small Fruit Breeding and Variety Testing
- Strawberry Plasticulture R & D
Robert Belding - Managing Orchard Soils
Ed Durner and
Tom Gianfagna - Ralex™ as a Thinning Agent for Peach
Norm Lalancette- Nectarine and Peach Bacterial Spot Control
- Sensitivity of Apple Cultivars to Abound™
Fungicide
Dean Polk - Mating Disruption for Peach Pests
George Hamilton- FQPA Update
Peter Shearer - Considerations for Tree Fruit Insect Pest
Management
Brad Majek - Fall Weed Control Considerations
Demonstration- Row Mulcher - Millcreek Manufacturing Co.
Welcome (5:45) - Dr. Peter Day, Interim Director of Research,
NJAES

Fruit Variety Showcase (6:00)

- Joe Goffreda - New Peach Selections from the NJAES
Win Cowgill - Variety Update for North Jersey
Jerry Frecon - Variety Update for South Jersey
Dinner (7:00) - Sausage & Peppers, Cheese Steaks, Salads, Ice
Cream with Peaches, and Refreshments (Chef Samulis and crew)

If you have any questions, comments, or suggestions, and to RSVP, please contact:

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283 Rt. 539, Cream Ridge, NJ 08514
609-758-7311, X10 (FAX: 609-758-7085)

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