

scaffolds

Update on Pest Management
and Crop Development

F R U I T J O U R N A L

September 25, 1995

VOLUME 4

Geneva, NY

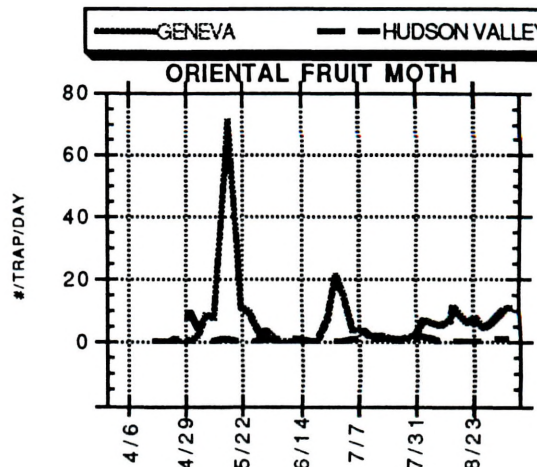
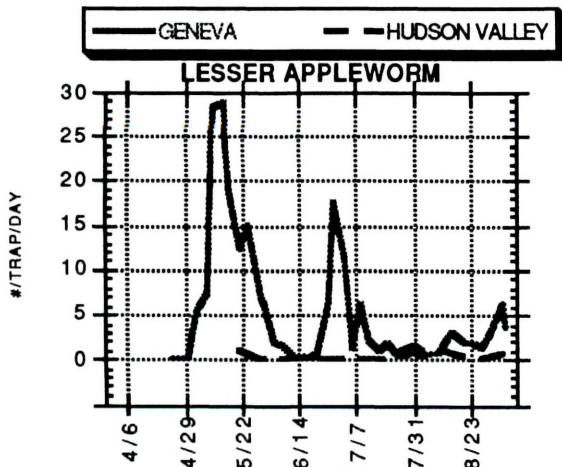
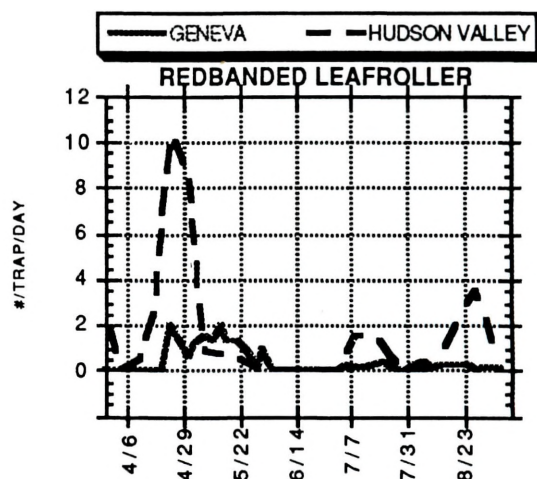
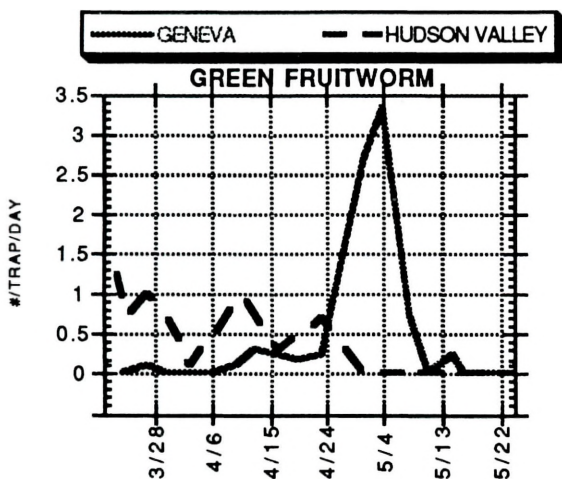
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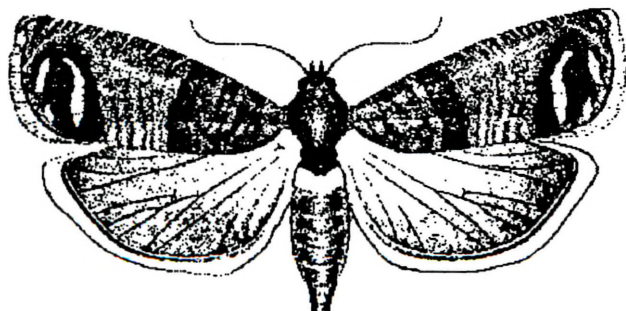
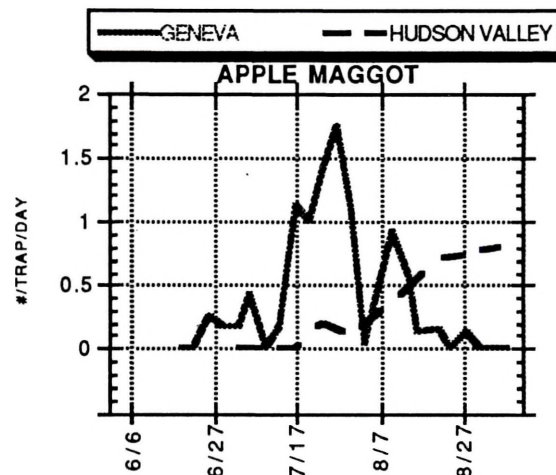
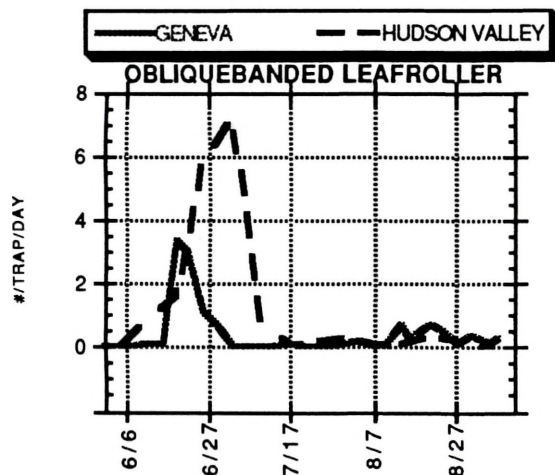
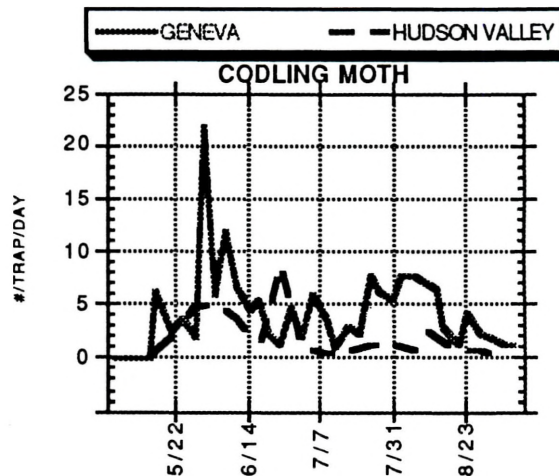
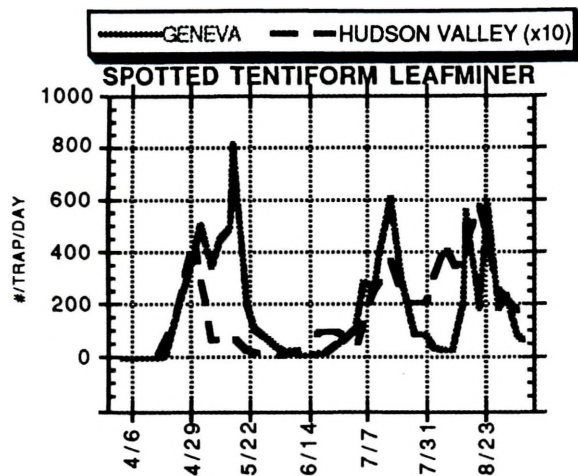
FINAL REPORT
(Art Agnello &
Dave Kain)

❖❖ With this issue, Scaffolds ceases publication for the season; we anticipate starting up again next March. In February, we'll be sending out response cards to all current subscribers to set up next year's mailing list. Our thanks to all of you who have sent comments, sugges-



tions and articles our way, a practice we hope you'll continue. As a wrap-up, we thought it would be a good idea to provide a summary of the year's pheromone trapping results. Graphs on pages 1 and 2 combine Geneva and Hudson Valley trap catches of insects monitored in both places. Graphs showing catches of insects monitored only in Geneva are shown on page 3, and only in Highland on page 4. An Index of this year's Scaffolds (Vol. 4) is included on pages 5-7. ❖❖





scaffolds

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scaffolds FRUIT JOURNAL

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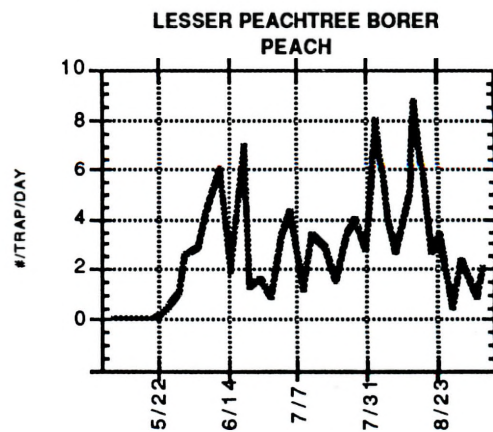
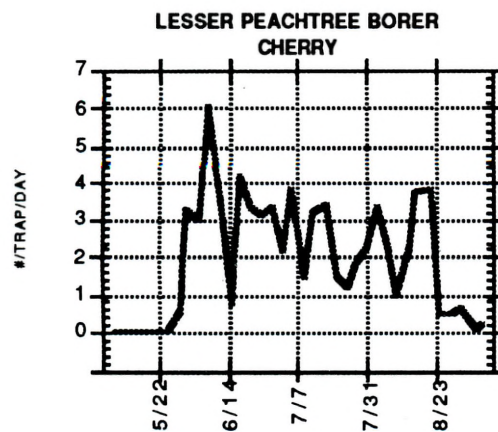
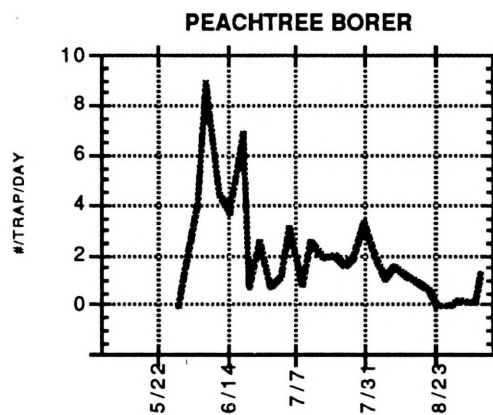
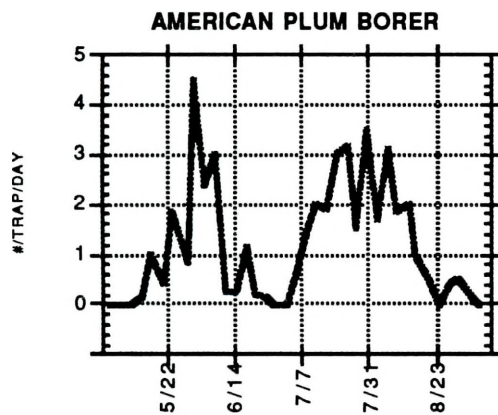
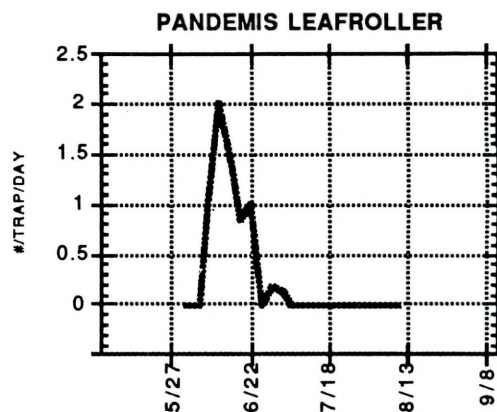
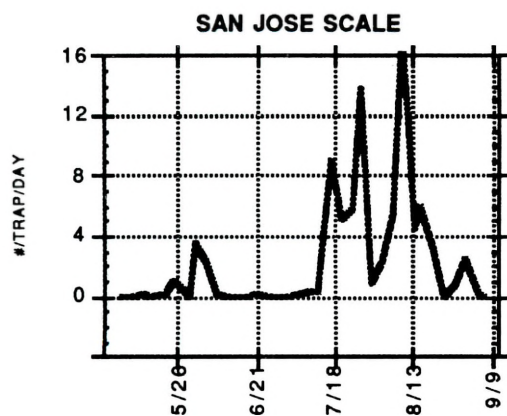
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Editors: A. Agnello, D. Kain

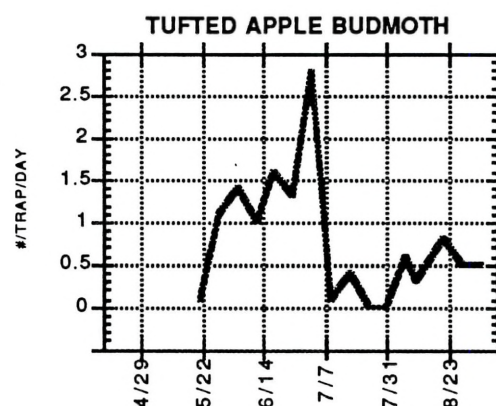
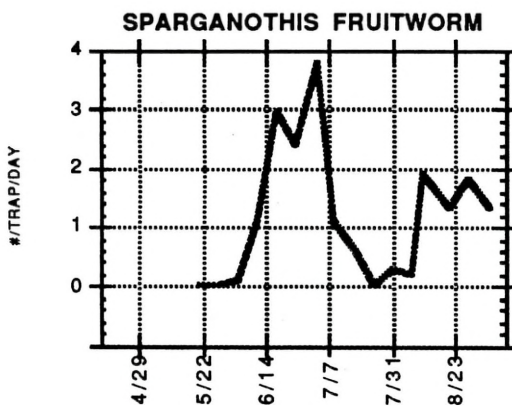
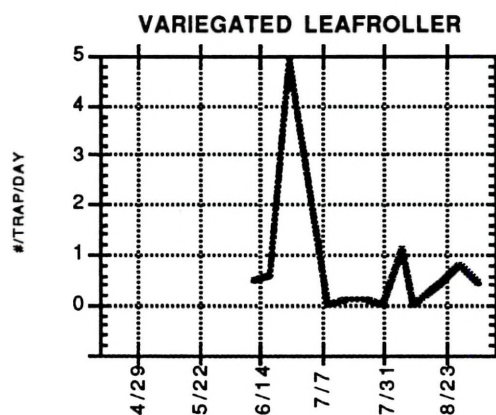
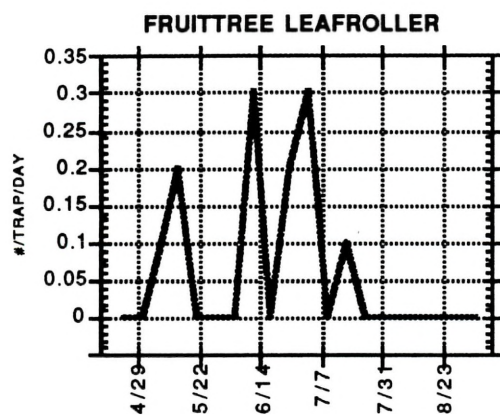
This newsletter available on CENET, on the Tree Fruit News bulletin board under FRUIT and on the World Wide Web at:

<http://www.nysaes.cornell.edu/ent/scaffolds/>

GENEVA



HIGHLAND



SCAFFOLDS Fruit Journal

Index, Volume 4, 1995

March 20

GENERAL New year of Scaffolds Intro
REFERENCES - List of fruit information sources

DEGREE DAYS - Information for determining degree day values with out a computer, including lookup charts. Includes information on sources of weather data.

CHEM NEWS Apollo labelled for control of mites in apples. Provado labelled for control of insects including aphids, leafhoppers and spotted tentiform leafminer in apples. Agri-Mek Section 18 for 1995 submitted.

UPCOMING PEST EVENTS

March 27

DISEASES Apple scab ascospore discharge discussion and multi-season data.

INSECTS Early season use of oil and other strategies to control Pear psylla, European red mite and San Jose scale Status of honey bee colonies available for pollination.

CHEM NEWS Provado update. Agri-Mek Section 18 granted.

ANNOUNCEMENT Scaffolds availability on World Wide Web.

PEST FOCUS Pear psylla and green fruitworm active.

PHENOLOGIES Geneva, Highland

INSECT TRAP CATCHES

UPCOMING PEST EVENTS

April 3

BIOLOGICAL CONTROL Transferring the predator mite, *Typhlodromus pyri*, between orchards.

DISEASES Winter damage in young trees.

INSECTS Considerations for use of Provado.

CHEM NEWS Details of Agri-Mek Section 18 restrictions.

PEST FOCUS Highland

PHENOLOGIES Geneva, Highland

INSECT TRAP CATCHES Geneva, Highland

UPCOMING PEST EVENTS

April 10

GENERAL Pesticides and pH of spray water.

FIELD NOTES New phone #'s for Hudson Valley Lab. Apple scab disease update.

ERRATUM Corrections to predator mite article (4/3).

PHENOLOGIES Geneva, Highland

INSECT TRAP CATCHES Geneva, Highland

UPCOMING PEST EVENTS

April 17

INSECTS Rosy apple aphid

DISEASES Factors affecting Streptomycin activity against fire blight and blister spot.

CHEM NEWS Update on fruit fungicide registrations. (Nova, Aliette, Procure, Indar).

ADDENDUM EPA registration numbers of tree fruit fungicides and bacteriacides omitted from Recommends.

FIELD NOTES Hudson Valley Lab field report on apple scab.

PEST FOCUS Orleans Co., Highland

PHENOLOGIES Geneva, Highland

INSECT TRAP CATCHES Geneva, Highland

UPCOMING PEST EVENTS

April 24

INSECTS Pear thrips. Pink control strategy for tarnished plant bug, spotted tentiform leafminer, leafrollers, mites, plum curculio.

ERRATUM Correction to Vydate 2L rate given in Recommends.

FIELD NOTES Highland report on apple scab maturity

PEST FOCUS Geneva, Highland

PHENOLOGIES Geneva, Highland

INSECT TRAP CATCHES Geneva, Highland

UPCOMING PEST EVENTS

May 1

INSECTS Pear rust mite, pear leaf midge

FIELD NOTES Hudson Valley apple scab ascospore maturity data

DISEASES Control of brown rot of stone fruits.

PEST FOCUS Orleans Co., Geneva, Highland

PHENOLOGIES Geneva, Highland

INSECT TRAP CATCHES Geneva, Highland

UPCOMING PEST EVENTS

May 8

INSECTS Managing honey bee colonies for maximum flight. Mirid bugs in apples.

FIELD NOTES Hudson Valley apple scab update, fire blight, rust.

DISEASES Terramycin uses in New York State.

PEST FOCUS Geneva

PHENOLOGIES Geneva, Highland

INSECT TRAP CATCHES Geneva, Highland

UPCOMING PEST EVENTS

May 15

INSECTS Petal fall - Control strategies for mites, white apple leafhopper, plum curculio, green fruitworm and European apple sawfly. Peach silver mite.

FIELD NOTES Hudson Valley apple scab update.

GENERAL INFO New predator mite fact sheet available.

PEST FOCUS Geneva, Highland

PHENOLOGIES Geneva, Highland

INSECT TRAP CATCHES Geneva, Highland

UPCOMING PEST EVENTS

May 22

INSECTS Green peach aphid, lesser peachtree borer, codling moth, American plum borer. Pear psylla.

DISEASES Control options for apple scab and black rot.

PEST FOCUS Geneva, Highland

PHENOLOGIES Geneva, Highland

INSECT TRAP CATCHES Geneva, Highland

UPCOMING PEST EVENTS

May 30

DISEASES Apple scab, scarf skin.

INSECTS Obliquebanded leafroller, San Jose scale, pear psylla and cherry fruit fly - field reports and control suggestions.

Progression of Events: Comparison of pest events this season to last season and the calculated "Normal" (0-700 DD base 43°F).

GENERAL INFO Reentry intervals and Cornell Recommends.

PHENOLOGIES Geneva

INSECT TRAP CATCHES Geneva, Highland

UPCOMING PEST EVENTS

June 5

INSECTS Obliquebanded leafroller: Guidelines for monitoring and control. Leaf-feeding lepidoptera and *Polydrusus* weevil. Codling moth model.

DISEASES Update on cedar rust, winter damage and stone fruit diseases.

PEST FOCUS Albion, Lockport, Geneva, Highland

INSECT TRAP CATCHES Geneva, Highland

UPCOMING PEST EVENTS

June 12

INSECTS Summer insect monitoring and control - OBLR, STLM, apple maggot. Codling moth model.

PEST FOCUS Wayne Co., Geneva, Highland

INSECT TRAP CATCHES Geneva, Highland

UPCOMING PEST EVENTS

June 19

INSECTS Beneficial insects. Spotted tentiform leafminer monitoring and control.

CHEM NEWS Special Local Need label for Omite 6E approved.

GENERAL INFO Errata.

Scaffolds World Wide Web home page available.

PEST FOCUS Geneva, Highland

INSECT TRAP CATCHES Geneva, Highland

UPCOMING PEST EVENTS

June 26

INSECTS Apple aphid and spirea aphid. Comstock mealybug monitoring and control.

Progression of Events: Comparison of pest events this season to last season and the calculated "Normal" (500-1200 DD base 43°F).

PEST FOCUS Geneva, Highland

INSECT TRAP CATCHES Geneva, Highland

UPCOMING PEST EVENTS

July 3

INSECTS Mites, leafhoppers, borers.

PEST FOCUS Geneva, Highland

INSECT TRAP CATCHES Geneva, Highland

UPCOMING PEST EVENTS

July 10

INSECTS Dock sawfly, Japanese beetle. Codling moth model.

DISEASES Powdery mildew

PEST FOCUS Geneva, Highland

INSECT TRAP CATCHES Geneva, Highland

UPCOMING PEST EVENTS

July 17

INSECTS Codling moth model and CM control.

DISEASES Relationship between summer sprays and storage decays.

ANNOUNCEMENT Fruit Pest Control Field Days in Geneva and Highland.

PEST FOCUS Geneva, Highland

INSECT TRAP CATCHES Geneva, Highland

UPCOMING PEST EVENTS

July 24

INSECTS Apple maggot, wooly apple aphid. Codling moth model.

PEST FOCUS Geneva, Highland

INSECT TRAP CATCHES Geneva, Highland

UPCOMING PEST EVENTS

July 31

INSECTS Botanical insecticides for fruit. Codling moth model. Provado insecticide and leafhoppers.

PEST FOCUS Geneva, Highland

INSECT TRAP CATCHES Geneva, Highland

UPCOMING PEST EVENTS

August 7

INSECTS Hudson Valley leafrollers (Variegated leafroller and Sparganothis fruitworm). European corn borer in apples. European red mite status.

PEST FOCUS Geneva, Highland

INSECT TRAP CATCHES Geneva, Highland

UPCOMING PEST EVENTS

August 14

GENERAL Reminder of fruit pest control field day.

INSECTS Progression of Events: Comparison of pest events this season to last season and the calculated "Normal" (1300–2500 DD base 43°F).

PEST FOCUS Geneva

INSECT TRAP CATCHES Geneva, Highland
UPCOMING PEST EVENTS

August 21

DISEASES Postharvest fungicide treatments for apples in 1995.

INSECT TRAP CATCHES Geneva, Highland

UPCOMING PEST EVENTS

August 28

DISEASES Using thiobendazole in post-harvest apple drenches.

INSECT TRAP CATCHES Geneva, Highland

UPCOMING PEST EVENTS

September 5

INSECT TRAP CATCHES Geneva, Highland

UPCOMING PEST EVENTS

September 11

INSECTS Arthropod review of 1995.

DISEASES Disease review of 1995.

INSECT TRAP CATCHES Geneva, Highland

UPCOMING PEST EVENTS

September 18

INSECTS Comparison of 1995 pest events to "Normals". Pearleaf blister mite (*Phytoptus pyri*).

INSECT TRAP CATCHES Geneva, Highland

UPCOMING PEST EVENTS

September 25

INSECTS Final Report - Graphs showing development of pests monitored in Geneva and Highland.

INSECT TRAP CATCHES Geneva, Highland



INSECT TRAP CATCHES (Number/Trap/Day)**Geneva NY****HVL, Highland NY**

	<u>9/18</u>	<u>9/21</u>	<u>9/25</u>		<u>8/28</u>	<u>9/5</u>	<u>9/11</u>
Redbanded leafroller	0	0	0	Redbanded leafroller	3.5	0.6	0.6
Spotted tentiform leafminer	4.2	3.5	8.6	Spotted tentiform leafminer	25.9	16.9	12.6
Oriental fruit moth(apple)	8.8	5.0	4.9	Oriental fruit moth	0.9	1.1	0.7
Lesser appleworm	16.7	7.3	3.5	Fruittree leafroller	0	0	0
Codling moth	0.3	2.7	0.1	Codling moth	0.5	0.1	<0.1
San Jose scale	1.2	0.8	0	Lesser appleworm	0.2	0.7	0.5
American plum borer	0	0	-	Sparganothis fruitworm	1.8	1.3	1.2
Lesser peachtree borer (peach)	0	0	-	Tufted apple bud moth	0.5	0.5	0.4
Lesser peachtree borer (cherry)	0	0	-	Variegated leafroller	0.8	0.4	0.3
Peachtree borer	0	0	-	Obliquebanded leafroller	0.2	0	0.3
Obliquebanded leafroller	0	0.2	0	Apple maggot	-	0.8	0.3
Apple maggot	0	0	0				

(Dick Straub, Peter Jentsch)

NOTE: Every effort has been made to provide correct, complete and up-to-date pesticide recommendations. Nevertheless, changes in pesticide regulations occur constantly, and human errors are possible. These recommendations are not a substitute for pesticide labelling. Please read the label before applying any pesticide.

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