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Update on Pest Management and Crop Development

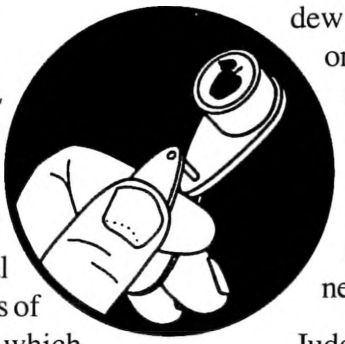
August 14, 2000 VOLUME 9, No. 22 Geneva, NY

GENERAL

INSECTS

HAVE YOU NOTICED?

N.Y. FRUIT PEST CONTROL FIELD DAY — 2nd NOTICE



❖❖ Don't forget this annual event, sponsored by the Departments of Plant Pathology and Entomology, which has been scheduled for September 6–7 this year. All those interested are invited to attend this preliminary presentation of results of field trials on the control of diseases and insects attacking N.Y. fruit crops. Results will be discussed from experiments on tree fruits and grapes. First in Highland, the tour of research plots will take place on Wednesday, September 6. On Thursday, September 7, the activities shift to the Geneva Station, where there will be presentations on disease and arthropod control in tree fruits. Registration begins at the Hudson Valley Laboratory in Highland at 8:30 (Wednesday, September 6) and at 8:30 at Barton Laboratory, NYSAES, Geneva (Thursday, September 7). See you there.❖❖

WILD & WOOLLY

SOMETHING IN THE AIR

(Art Agnello, Entomology, Geneva)

❖❖ As you make plans for the final apple insect control sprays of the season, keep in mind that this is the time of year to be sure your blocks are not nursing a healthy and expanding infestation of woolly apple aphids. These colonies show up predictably in some orchards, predominantly on unhealed pruning wounds, cankers, or water sprouts. Heavy infestations can cause honeydew and sooty mold on the fruit, and galls on different plant parts. Because woolly apple aphids are somewhat protected by a waxy covering, regular spray programs may not provide adequate control. Higher volume applications of recommended insecticides may be necessary to penetrate the wax.

Judge the severity of any infestations in your trees, plus the projected harvest dates, and if needed, select a suitable material keeping in mind the respective PHI: Thiodan (21 days) or Lorsban (28 days). Lorsban will also control apple maggot. This is also prime time for an increase in nymphal populations of white apple leafhopper; an average of more than 2 per leaf can be addressed using Provado (7 days PHI), Sevin (1 day), the aforementioned Thiodan, or Lannate (14 days). [Note that Carzol is no longer registered for postbloom use.] Provado and Lannate will also help out on any 3rd brood leafminers and green aphids, and Sevin and Lannate will help control apple maggot.❖❖

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PEST FOCUS

Geneva: **Codling moth** flight began 5/19; DD50 since then = 1336.

Highland: **Stinkbugs** present on apple. **Leafhopper** numbers are increasing. **European red mite** at or above threshold. **Apple maggot** trap catch is increasing but little damage has been observed as yet.

UPCOMING PEST EVENTS

	43°F	50°F
Current DD accumulations (Geneva 1/1–8/14):	2549	1662
(Geneva 1999 1/1–8/14):	2764	1924
(Geneva "Normal" 1/1–8/14):	2543	1806

Coming Events:	**Ranges:**	
American plum borer 2nd flight peaks	1648–2612	1037–1840
Apple maggot flight peak	2033–2843	1387–1953
Oriental fruit moth 3rd flight begins	2172–2956	1448–2013
Comstock mealybug 2nd gen. crawlers emerging	2106–2768	1447–1924
Spotted tentiform leafminer 3rd flight peaks	2415–3142	1728–2231
San Jose scale 2nd flight peaks	1934–2591	1271–1874
Obliquebanded leafroller 2nd flight peaks	2634–3267	1789–2231
Redbanded leafroller 3rd flight begins	2389–3113	1722–2209

INSECT TRAP CATCHES (Number/Trap/Day)

Geneva, NY

	8/7	8/11	8/14
Redbanded leafroller	0.1	0.1	0.5
Spotted tentiform leafminer	43.4	133	184
Oriental fruit moth	1.6	2.3	3.0
Lesser appleworm	0.9	2.0	2.8
Codling moth	18.3	13.4	1.7
San Jose scale	4.5	1.3	3.0
American plum borer	0.6	0.4	0.7
Lesser peachtree borer	0	0.9	0.2
Peachtree borer	1.3	1.0	1.3
Obliquebanded leafroller	0.1	0.5	0
Apple maggot	0	0.1	0
Dogwood borer	0	0	0

Highland, NY

	7/31	8/14
Redbanded leafroller	0	0.1
Spotted tentiform leafminer	94.4	117.1
Oriental fruit moth	<0.1	0.3
Codling moth	1.1	2.1
Sparganothis fruitworm	0	0
Apple maggot	0.2	0.1
Lesser peachtree borer	2.2	1.7
Lesser appleworm	0	0.9
Dogwood borer	0.2	0.2
American plum borer	0.7	1.2
Obliquebanded leafroller	0	0
Tufted apple budmoth	0	0
Variegated leafroller	0	0.3

* first catch

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.