

SB  
608  
F8  
S265  
V.  
no. 26

# scaffolds

Update on Pest Management  
and Crop Development

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

September 12, 2005

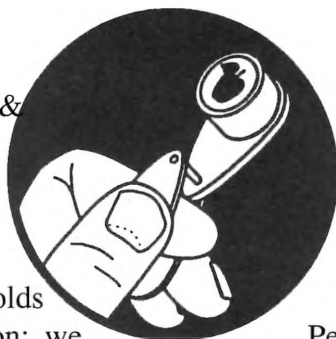
VOLUME 14, No. 26

Geneva, NY

## INSECT SUMME

### PACKING MATERIAL

(Art Agnello &  
Dave Kain,  
Entomology,  
Geneva)



❖❖ With this issue, Scaffolds ceases publication for the season; we anticipate starting up again next March. In February, as usual, we'll send 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, suggestions, and articles our way, a practice we hope you'll continue. As a wrap-up, here's our annual summary of the year's pheromone trap results and an Index of Volume 14, 2005 of Scaffolds Fruit Journal.

KEY = GFW - Green Fruitworm;  
RBLR - Redbanded Leafroller;  
STLM - Spotted Tentiform  
Leafminer; OFM - Oriental Fruit  
Moth (in apples); LAW - Lesser  
Appleworm; CM - Codling Moth;  
SJS - San Jose Scale; LPTB - Lesser  
Peachtree Borer (in cherries); APB -  
American Plum Borer in cherries); PTB -  
Peachtree Borer; OBLR - Obliquebanded  
Leafroller; PAND - Pandemis Leafroller; AM -  
Apple Maggot; \* - first catch of the generation

❖❖

DATE	RBLR	STLM	OFM	LAW	CM	SJS	APB	LPTB	PTB	AM	PAND	OBLR
4/25	1.4	1.2										
4/28	1.7	0.0										
5/2	15.8	0.8										
5/5	0.0	0.5										
5/9	3.6	12.5										
5/12	22.8	17.7										
5/16	2.5	3.8	0.3									
5/19	1.0	3.8	0.0									
5/23	0.6	3.8	0.0				1.0					
5/26	0.3	1.7	0.0				-					
5/31	0.9	3.1	0.0				0.5					
6/2	0.7	3.0	0.8	4.2		2.3	0.7					
6/6	0.6	3.6	0.5	2.3	0.3	79.4	1.4	3.8			0.1	
6/13	0.0	0.6	0.3	1.5	0.3	1.6	0.4	3.6	0.1		1.5	1.1
6/17	0.0	0.9	0.0	0.8	0.0	0.4	0.8	0.9	0.0		1.3	2.0
6/20	0.0	2.0	0.0	0.2	0.0	0.8	0.2	0.8	0.0		0.7	0.8
6/23	0.0	7.8	0.0	0.2	0.0	0.3	0.3	2.5	0.0		0.3	0.7
6/27	0.1	21.9	0.0	0.1	0.0	0.3	0.3	2.6	0.0		0.5	0.5

FRANK A. LEE  
LIBRARY

SEP 15 2005

NYSAES  
CORNELL UNIVERSITY

continued...

DATE	RBLR	STLM	OFM	LAW	CM	SJS	APB	LPTB	PTB	AM	PAND	OBLR
6/30	0.5	-	0.0	0.2	0.0	0.0	0.2	1.5	0.0		0.5	0.2
7/5	2.3	5.8	0.4	0.0	0.0	0.0	0.2	0.6	0.0		0.1	0.4
7/8	0.7	19.3	0.0	0.2	0.0	0.0	0.7	1.2	0.0		0.0	0.5
7/11	3.2	18.2	0.0	0.0	0.0	0.0	1.0	1.7	0.2		0.0	2.0
7/14	2.0	33.8	0.0	0.0	0.0	0.0	0.2	0.7	0.0			0.7
7/18	1.4	7.3	0.1	0.4	0.0	33.8	0.4	0.3	0.0			0.0
7/21	2.3	9.8	0.0	0.0	0.0	178	1.0	0.3	0.0			0.0
7/25	1.6	10.0	0.0	0.0	0.0	63	0.4	0.9	0.0	0.3		0.3
7/28	0.7	5.7	0.0	0.0	0.0	100	1.3	0.5	0.0	0.0		0.0
8/1	0.3	6.1	0.1	0.1	0.0	22.5	0.4	1.3	0.1	0.0		0.1
8/4	0.3	20.0	0.0	0.0	0.0	90.0	0.0	1.0	0.2	0.2		0.3
8/8	0.0	39.4	0.0	0.3	0.0	22.5	0.4	0.5	0.0	0.0		0.1
8/11	0.7	29.3	0.0	0.3		20.5	0.0	0.7		0.0		0.5
8/15	1.0	31.0	0.0	0.0		16.3	0.0	0.4		0.0		0.3
8/18	1.8	30.3	0.0	0.0		13.8	0.3	0.7		0.2		0.0
8/22	1.4	20.6	0.0	0.0		5.6	0.1	0.9		0.1		0.1
8/25	1.0	28.0	0.0	0.0		0.7	0.0	0.5		0.1		0.3
8/29	0.4	10.6	0.0	0.3		2.6	0.0	0.1		0.0		0.0
9/6	0.9	5.6	0.0	0.1		3.4	0.1	0.1		0.0		0.1
9/12	0.3	6.3	0.0	0.0		24.2	0.0	0.0		0.0		0.0

### scaffolds

is published weekly from March to September by Cornell University—NYS Agricultural Experiment Station (Geneva) and Ithaca—with the assistance of Cornell Cooperative Extension. New York field reports welcomed. Send submissions by 3 pm Monday to:

#### **scaffolds** FRUIT JOURNAL

Dept. of Entomology  
NYSAES, Barton Laboratory  
P.O. Box 462  
Geneva, NY 14456-0462

Phone: 315-787-2341 FAX 315-787-2326

E-mail: ama4@cornell.edu

Editors: A. Agnello, D. Kain

This newsletter available on CENET at: [news://newsstand.cce.cornell.edu/cce.ag.tree-fruit](mailto:news://newsstand.cce.cornell.edu/cce.ag.tree-fruit)  
and on the World Wide Web at:  
<http://www.nysaes.cornell.edu/ent/scaffolds/>

**Hudson Valley (Highland) Pest Trapping Results - Avg/Trap/Day**

<u>DATE</u>	<u>GFW</u>	<u>RBLR</u>	<u>STLM</u>	<u>OFM</u>	<u>LAW</u>	<u>CM</u>	<u>OBLR</u>	<u>SJS</u>	<u>AM</u>
4/26	0.1	3.5	11.1	0.3					
5/2	0.2	11.0	46.2	0.2	0.2				
5/9	0.0	4.4	28.2	0.4	0.0				
5/16	0.0	2.9	-	6.0	0.6				
5/23		0.6	9.6	1.6	0.6	0.1			
5/31		0.2	15.8	0.3	0.5	0.1		0.1	
6/6		0.1	5.8	0.9	2.5	0.6	0.3	0.0	
6/13		0.0	11.6	0.8	2.4	0.5	0.9	0.0	
6/20		0.0	55.6	0.1	0.9	0.4	0.4	0.0	
6/27		0.8	103.1	0.6	0.8	0.4	0.4		
7/5		4.1	127.3	0.4	0.1	0.3	3.2		0.1
7/11		3.2	87.6	0.6	0.5	0.2	2.3		0.1
7/18		2.8	71.9	0.9	0.4	0.3	0.4		0.1
7/25		1.0	32.4	0.2	0.9	0.1	0.7		0.1
8/1		0.2	43.1	0.9	0.9	1.1	0.5		0.1
8/8		0.7	50.7	1.2	0.9	0.4	0.5		0.1
8/17		4.6	75.9	1.7	3.8	0.6	0.1		0.2
8/22		5.0	38.2	2.2	2.7	0.5	0.1		0.1

**SCAFFOLDS Fruit Journal**

Index, Volume14, 2005

**No. 1, March 21**GENERAL

- ❖ New year of Scaffolds Intro

CHEM NEWS

- ❖ Product registration status

DISEASES

- ❖ Jump-starting scab control in high-inoculum orchards

**No. 2, March 28**DISEASES

- ❖ Managing scab resistance to fungicides
- ❖ Orchard replant disease
- ❖ Orchard replant disease bioassay

**No. 3, April 4**INSECTS

- ❖ Spring oil strategies

DISEASES

- ❖ Early-season stone fruit disease control

**No. 4, April 11**INSECTS

- ❖ San Jose scale control
- ❖ Dogwood borer prevention

DISEASES

- ❖ Controlling SI-resistant apple scab

**No. 5, April 18**INSECTS

- ❖ Prebloom insect control considerations

CHEM NEWS

- ❖ New fungicide registrations

**No. 6, April 25**INSECTS

- ❖ Honeybees

continued...

**No. 7, May 2**INSECTS

- ❖ Orchard Radar Digest
- ❖ Pink pests

DISEASES

- ❖ Controlling powdery mildew on apples
- ❖ Avoiding spray glitches

**No. 8, May 9**INSECTS

- ❖ Orchard Radar Digest
- ❖ Oriental fruit moth efficacy trials

DISEASES

- ❖ Testing scab fungicide resistance
- ❖ Blossom-end rot of apples

**No. 9, May 16**INSECTS

- ❖ Orchard Radar Digest
- ❖ Petal fall pests
- ❖ Winter moth

**No. 10, May 23**INSECTS

- ❖ Orchard Radar Digest
- ❖ Degree days and apple pests

DISEASES

- ❖ Post-bloom fungicides for stone fruits

CHEM NEWS

- ❖ Pristine – New fruit fungicide for NY

**No. 11, May 31**INSECTS

- ❖ Orchard Radar Digest
- ❖ Management of internal leps

**No. 12, June 6**INSECTS

- ❖ Orchard Radar Digest
- ❖ Upcoming pest events (article)

**No. 13, June 13**INSECTS

- ❖ Orchard Radar Digest
- ❖ New pheromone disruption technology

**No. 14, June 20**INSECTS

- ❖ Orchard Radar Digest
- ❖ Apple maggot monitoring and control

DISEASES

- ❖ Spray timing for sooty blotch/flyspeck

**No. 15, June 27**INSECTS

- ❖ Orchard Radar Digest
- ❖ Midsummer insects

**No. 16, July 5**INSECTS

- ❖ Orchard Radar Digest
- ❖ Foliar pests

**No. 17, July 11**INSECTS

- ❖ Orchard Radar Digest
- ❖ Beneficial insects

**No. 18, July 18**INSECTS

- ❖ Orchard Radar Digest
- ❖ Midsummer insect pest concerns

**No. 19, July 25**INSECTS

- ❖ Orchard Radar Digest
- ❖ Apple maggot
- ❖ Comstock mealybug, lesser peachtree borer

**No. 20, August 1**INSECTS

- ❖ Orchard Radar Digest
- ❖ Insect bites

GENERAL INFO

- ❖ Fruit Field Tour

**No. 21, August 8**INSECTS

- ❖ Orchard Radar Digest
- ❖ Insect bite

continued...

**No. 22, August 15**INSECTS

- ❖ Orchard Radar Digest

DISEASES

- ❖ Postharvest fungicides

- ❖ Packinghouse sanitation

GENERAL INFO

- ❖ Fruit Field Day – 2
- <sup>nd</sup>
- Notice

**No. 23, August 22**INSECTS

- ❖ Orchard Radar Digest

GENERAL INFO

- ❖ IDFTA China Tour

CHEM NEWS

- ❖ AZM for peaches

**No. 24, August 29**INSECTS

- ❖ Late-season concerns

GENERAL INFO

- ❖ Fruit Field Day – Final Notice

**No. 25, September 6**INSECTS

- ❖ Tree fruit arthropod pest review

- ❖ Comparison of pest events 2005 to the calculated "Norm"

**No. 26, September 12**INSECTS

- ❖ 2005 Insect trap catch summary

GENERAL INFO

- ❖ Index of Scaffolds Volume 14, 2005

### INSECT TRAP CATCHES (Number/Trap/Day)

**Geneva, NY****Highland, NY**

	<u>8/29</u>	<u>9/6</u>	<u>9/12</u>		<u>8/17</u>	<u>8/22</u>
Redbanded leafroller	0.4	0.9	0.3	Redbanded leafroller	4.6	5.0
Spotted tentiform leafminer	10.6	5.6	6.3	Spotted tentiform leafminer	75.9	38.2
Oriental fruit moth	0.0	0.0	0.0	Oriental fruit moth	1.7	2.2
Lesser appleworm	0.3	0.1	0.0	Lesser appleworm	3.8	2.7
San Jose scale	2.6	3.4	24.2	Codling moth	0.6	0.5
American plum borer	0.0	0.1	0.0	Obliquebanded leafroller	0.1	0.1
Lesser peachtree borer	0.1	0.1	0.0	Apple maggot	0.2	0.1
Obliquebanded leafroller	0.0	0.1	0.0			
Apple maggot	0.0	0.0	0.0			

---

---

**scaffolds**

Dept. of Entomology  
NYS Agricultural Exp. Sta.  
Barton Laboratory  
Geneva, NY 14456-0462

---

---

**UPCOMING PEST EVENTS**

	<u>43°F</u>	<u>50°F</u>
Current DD accumulations (Geneva 1/1–9/12):	3509	2479
(Geneva 1/1–9/12/2004):	3229	2152
(Geneva "Normal"):	3278	2275
(Geneva 9/19 Predicted):	3684	2605

<u>Coming Events:</u>	<u>Ranges(Normal± StDev):</u>	
Redbanded leafroller 3rd flight subsidies	3124–3436	2142–2422
Codling moth 2nd flight subsidies	2859–3583	1944–2536
American plum borer 2nd flight subsidies	3128–3612	2179–2541
Spotted tentiform leafminer 3rd flight subsidies	3230–3444	2246–2432

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.

This material is based upon work supported by Smith Lever funds from the Cooperative State Research, Education, and Extension Service, U.S. Department of Agriculture. Any opinions, findings, conclusions, or recommendations expressed in this publication are those of the author(s) and do not necessarily reflect the view of the U.S. Department of Agriculture.

FRANK LEE LIBRARY  
JORDAN HALL

NYSAES