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# scaffolds

Update on Pest Management  
and Crop Development

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

September 11, 2006

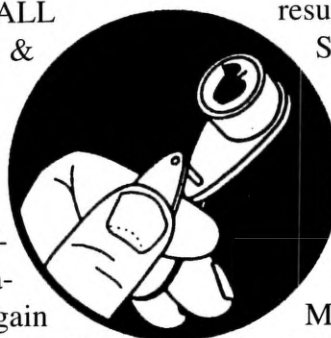
VOLUME 15, No. 26

Geneva,

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EXIT,  
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LEFT

CURTAIN CALL  
(Art Agnello &  
Dave Kain,  
Entomology,  
Geneva)



results and an Index of Volume 15, 2006 of  
Scaffolds Fruit Journal.

❖❖ 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

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; APB - American Plum Borer (in cherries); LPTB - Lesser Peachtree Borer (in cherries); DWB - Dogwood Borer; PL - Pandemis Leafroller; OBLR - Oblique-banded Leafroller; PTB - Peachtree Borer; FTLR - Fruittree leafroller; AM - Apple Maggot; \* - first catch of the generation❖❖

## Geneva Pest Trapping Results - Avg/Trap/Day

DATE	GFW	RBLR	STLM	OFM	LAW	CM	SJS	APB	LPTB	DWB	PL	OBLR	PTB
4/3	0.1*	0.1											
4/10	0.0	0.0											
4/17	0.4	2.9	0.0										
4/20	0.5	3.7	2.7*										
4/27	0.3	2.9	4.1	0.0									
5/1		4.5	7.4	0.4*									
5/4		3.5	22.8	0.5									
5/8		2.6	24.1	0.6									
5/11		3.5	32.5	0.3					0.7*				
5/15		1.6	9.9	0.1					0.6	0.4*			
5/18		2.3	3.3	0.2					0.2	0.0			
5/22		0.3	0.5	0.0					0.0	0.0			
5/25		0.5	2.0	0.0					0.2	0.0			
5/30		0.7	1.6	0.2	1.0*		128*	0.5	1.0				
6/1		1.3	4.8	0.5	1.5	0.3*	68	0.0	0.5				
6/5		0.4	1.0	0.0	0.5	0.1	18	0.6	0.5	0.1*			
6/8		0.0	0.2	0.0	2.0	0.0	10	0.2	0.8	-	0.2*		
6/12		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.1*	
6/15		0.0	0.0	0.3	0.3	0.0	0.0	0.7	0.2	-	0.0	0.2	
6/19		0.0	3.9*	0.1	2.3	0.0	0.0	0.5	1.0	0.7	1.0	0.3	0.9*
6/21		0.0	14.5	0.0	3.0	0.0	0.0	1.5	1.0	-	0.0	0.0	0.0

continued...

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DATE	RBLR	STLM	OFM	LAW	SJS	APB	LPTB	DWB	PL	OBLR	PTB
6/26	0.0	63.9	0.1	0.8	0.0	0.0	0.5	1.3	0.3	0.1	0.0
6/29	0.0	26.7	0.0	0.3	0.0	0.2	0.3	-	0.0	0.2	0.0
7/3	0.0	41.9	0.0	0.1	0.0	0.0	0.6	2.7	0.1	0.1	0.0
7/6	0.0	97.7	0.0	0.0	0.0	0.0	0.7	-	0.0	0.0	0.2
7/10	0.3*	76.3	0.1	0.0	0.1	0.1	0.6	1.9	0.0	0.1	0.8
7/13	0.0	35.8	0.0	0.0	0.7*	0.2	0.0	-	0.0		0.2
7/17	1.9	26.3	0.0	0.0	283	0.0	0.1	1.9	0.0		0.3
7/20	0.7	19.8	0.3	0.2	243	0.0	0.3	-	0.0		0.2
7/24	4.3	9.5	0.0	0.1	314	0.5*	0.1	0.1	3.0		0.0
7/27	2.8	17.2	0.0	1.0	1071	0.0	0.2	-			0.2
7/31	2.3	4.3	0.0	0.0	450	-	0.3	0.6			0.3
8/4	0.5	8.8	0.0	0.3	634	0.3	0.0	-			0.3
8/7	0.7	15.2	0.3	0.0	717	0.2	0.2	0.4			0.3
8/10	0.5	3.2	0.0	0.3	188	0.3		-			
8/14	0.4	2.9	0.0	0.0	142	0.0		0.4			
8/17	0.0	5.2	0.0	0.0	283	0.5		-			
8/21	0.5	8.6	0.0	0.0	203	0.4		0.7			
8/24	0.5	29.2	0.0	0.0	237			-			
8/28	0.6	17.3	1.5	0.1	41			2.8			
8/31	0.7	3.7	0.3	0.0	63						

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### 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  
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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**

DATE	GFW	STLM	OFM	LAW	CM	OBLR	FTLR	TABM	VLR	LPTB	DWB	AM
4/24	0.5	9.5										
5/1		84.1	6.5*		0.1*							
5/8		36.3	5.3		0.0							
5/15		6.4	3.4	0.4*	0.2			0.1*		0.1*		
5/22		1.1	0.9	0.0	0.2		0.1*	0.1		0.1	0.1*	
5/30		7.4	2.1	0.6	0.3		0.1	0.1		1.3	0.0	
6/5		3.3	0.8	4.2	0.2	0.1*	0.0	1.0	0.8*	0.1	0.0	
6/19		84.9	0.1	1.7	2.5	0.5	0.1	0.0	0.0	2.4	0.1	0.1*
6/26		86.1	1.2	2.2	2.1	0.5	0.2	0.0	0.4	1.1	0.2	0.0
7/10		—	1.4	0.4	0.4	0.1	0.0	0.0	0.1	0.5	0.1	0.1
7/17		0.0	0.3	0.6	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.1
7/24		83.7*	1.0	1.1	1.4	0.0	0.0	0.0	0.0	0.4	0.4	0.1
7/31		33.4	0.9	2.4	1.7	0.0	0.0	0.0	0.0	2.4	0.1	0.4
8/7		23.3	3.1	3.7	0.8	0.2	0.0	0.0	0.1	0.4	0.6	2.0
8/14		8.4	2.4	1.7	0.7	0.2	0.0		0.1	0.9	0.2	0.5
8/21		—	2.7	3.8	0.2	0.4			0.2	0.3	0.1	0.7

**SCAFFOLDS Fruit Journal**

Index, Volume 15, 2006

**No. 1, March 20**GENERAL INFO

❖ New year of Scaffolds Intro

CHEM NEWS

❖ Product registration update

**No. 2, March 27**INSECTS

❖ Early-season pear pests

**No. 3, April 3**INSECTS

❖ Spring oil strategies

DISEASES

❖ Urea for scab inoculum reduction?

FIELD NOTES

❖ Hudson Valley apple scab

**No. 4, April 10**DISEASES

❖ Apple scab management 2006

❖ Another view on pre-season scab inoculum reduction

INSECTS

❖ Overwintering San Jose scale control

CHEM NEWS

❖ Avaunt labelled for Long Island

**No. 5, April 17**DISEASES

❖ Inoculum levels and disease control

INSECTS

❖ Prebloom insect control considerations

FIELD NOTES

❖ Eastern NY apple scab

**No. 6, April 24**INSECTS

❖ Orchard Radar Digest

❖ Honeybees and pollination

FIELD NOTES

❖ Eastern NY apple scab

ERRATUM

❖ Tarnished plant bug recommendations

continued...

**No. 7, May 1**INSECTS

- ❖ Orchard Radar Digest
- ❖ Pink pests

DISEASES

- ❖ Brown rot resistance to Indar
- ❖ Update on apple scab and X-disease

CHEM NEWSGENERAL INFO

- ❖ Network for Environmental and Weather Awareness

**No. 8, May 8**INSECTS

- ❖ Orchard Radar Digest
- ❖ Internal lep control

CHEM NEWS

- ❖ Calypso registration

**No. 9, May 15**INSECTS

- ❖ Orchard Radar Digest
- ❖ Petal fall pests
- ❖ Tent caterpillar

**No. 10, May 22**INSECTS

- ❖ Orchard Radar Digest

GENERAL INFO

- ❖ Updated horticultural info in the Recommends

DISEASES

- ❖ Apple scab fungicide resistance

**No. 11, May 30**INSECTS

- ❖ Orchard Radar Digest
- ❖ Summer pests

DISEASES

- ❖ Early-summer leaf spots, Part I

ERRATUM

- ❖ Recommends herbicide correction

**No. 12, June 5**INSECTS

- ❖ Orchard Radar Digest
- ❖ Potato leafhopper

DISEASES

- ❖ Early-summer leaf spots, Part II

GENERAL INFO

- ❖ Comments on fungicide rates in Recommends

**No. 13, June 12**INSECTS

- ❖ Orchard Radar Digest
- ❖ Model building
- ❖ Internal lepidoptera

DISEASES

- ❖ Controlling shoot blight phase of fire blight in apple orchards

CHEM NEWS

- ❖ Baythroid registrations

**No. 14, June 19**INSECTS

- ❖ Orchard Radar Digest
- ❖ Model building
- ❖ Apple maggot monitoring and control
- ❖ Woolly apple aphid

**No. 15, June 26**INSECTS

- ❖ Orchard Radar Digest
- ❖ Model building
- ❖ Midsummer insects

DISEASES

- ❖ Controlling flyspeck

**No. 16, July 3**INSECTS

- ❖ Orchard Radar Digest
- ❖ Model building
- ❖ Midsummer insects

**No. 17, July 10**INSECTS

- ❖ Orchard Radar Digest
- ❖ Model building
- ❖ Beneficial insects

continued...

**No. 18, July 17**INSECTS

- ❖ Orchard Radar Digest
- ❖ Model building
- ❖ Midsummer insect pest concerns

**No. 19, July 24**INSECTS

- ❖ Orchard Radar Digest
- ❖ Model building
- ❖ Apple maggot biology and management
- ❖ Midsummer insect pest concerns

**No. 20, July 31**INSECTS

- ❖ Orchard Radar Digest
- ❖ Model building
- ❖ Midsummer insect pest concerns
- ❖ Dock sawfly

DISEASES

- ❖ Plum pox detected in NY

GENERAL INFO

- ❖ Fruit Field Day announcement

**No. 21, August 7**INSECTS

- ❖ Orchard Radar Digest
  - ❖ Model building
  - ❖ More midsummer insect pests
- CHEM NEWS
- ❖ Proclaim labelled in NY

**No. 22, August 14**INSECTS

- ❖ Orchard Radar Digest
- ❖ Model building

GENERAL INFO

- ❖ Fruit Field Day – 2nd Notice

**No. 23, August 21**INSECTS

- ❖ Orchard Radar Digest
- ❖ Model building

DISEASES

- ❖ Flyspeck

**No. 24, August 28**INSECTS

- ❖ Orchard Radar Digest
- ❖ Model building
- ❖ Late-season concerns

DISEASES

- ❖ Heat injury to Honeycrisp

GENERAL INFO

- ❖ Fruit Field Day – Final Notice

**No. 25, September 4**INSECTS

- ❖ Tree fruit arthropod pest review
- ❖ Comparison of pest events 2006 to the calculated “Norm”

**No. 26, September 11**INSECTS

- ❖ 2006 Insect trap catch summary

GENERAL INFO

- ❖ Index of Scaffolds Volume 15, 2006
- ❖ Announcements: Calypso registration news, Apple Breeding meeting



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**scaffolds**

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Geneva, NY 14456-0462

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**PARTING SHOTS**

❖❖ Following are a couple of last-minute announcements of general interest we wanted to publicize before ceasing publication this year.

• From Jim Chevalier, Bayer CropScience Tech Service North Atlantic District:

In case you hear rumors of Calypso's registration being cancelled -- There has been a mistake in the Federal registry that states Calypso uses on Pome fruit (and cotton) will be voluntarily cancelled by BayerCrop Science by Feb '07. This is an Agency error. They have been notified and have been asked to render a retraction in the next available Federal Register (unfortunately around two weeks from now).

• From Kevin Maloney, Horticultural Sciences, NYSAES:

Save the date: Tuesday December 5th, 2006. Cornell Apple Breeding Meeting and Fruit Showcase, Jordan Hall Auditorium, NYSAES, Geneva, New York 14532. Details to follow.

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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.

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GENERAL INFORMATION