

# SCAFFOLDS Fruit Journal, Geneva, NY

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Update on Pest Management and Crop Development

August 29, 2011

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## COMING EVENTS

	43°F	50°F
Current DD accumulations		
(Geneva 1/1-8/22):	3193	2262
(Geneva 1/1-8/22/2010):	3336	2356
(Geneva "Normal"):	2989	2047
(Geneva 1/1-8/29 Predicted):	3377	2390
(Highland 1/1-8/29):	3393	2400

## Coming Events – Ranges (Normal ± Std Dev):

### American plum borer

flight subsides .....2929-3365 2015-2381

Apple maggot flight subsides .....2772-3258 1907-2283

### Codling moth

2nd flight subsides .....2845-3493 1922-2472

### Lesser appleworm

2nd flight subsides .....2794-3488 1918-2422

### Lesser peachtree borer

flight subsides .....2996-3446 2017-2433

### Obliquebanded leafroller

2nd flight subsides .....3095-3473 2121-2457

Oriental fruit moth		
3rd flight peak .....	2662-3236	1831-2243
Oriental fruit moth		
3rd flight subsides .....	2928-3412	1978-2310
Redbanded leafroller		
3rd flight peak .....	2717-3207	1881-2225
Redbanded leafroller		
3rd flight subsides .....	3124-3436	2142-2422
San Jose scale		
2nd flight subsides .....	2639-3349	1785-2371
STLM 3rd flight subsides .....	3230-3444	2246-2432

TRAP CATCHES (Number/trap/day)

<u>Geneva</u>	<u>8/18</u>	<u>8/22</u>	<u>8/25</u>	<u>8/29</u>
Redbanded Leafroller	0.2	0.0	0.3	0.0
Spotted Tentiform Leafminer	13.2	14.1	10.5	6.5
San Jose Scale	4.8	15.3	6.7	2.1
Oriental Fruit Moth	00.0	0.3	0.2	0.3
American Plum Borer	0.2	0.0	0.0	0.0
Obliquebanded Leafroller	0.0	0.0	0.0	0.0
Apple Maggot	3.5	2.3	1.7	0.9
<u>Sodus Center (Wayne Co.)</u>	<u>8/11</u>	<u>8/16</u>	<u>8/18</u>	<u>8/26</u>
Oriental Fruit Moth	2.5	1.5	0.5	3.5
Lesser Appleworm	17.0	3.0	2.0	4.0
Codling Moth	3.0	0.0	0.5	2.0

<u>Highland (Peter Jentsch)</u>	<u>8/8</u>	<u>8/15</u>	<u>8/22</u>	<u>8/29</u>
Redbanded Leafroller	0.9	1.3	6.5	4.6
Spotted Tentiform Leafminer	30.1	25.2	12.4	10.9
Oriental Fruit Moth	1.1	2.5	4.1	2.9
Lesser Appleworm	33.2	0.6	0.9	1.5
Codling Moth	2.7	2.3	0.6	1.5
Obliquebanded Leafroller	0.2	0.2	0.2	0.5
Apple Maggot	2.1	1.7	4.3	0.9

## [Section: INSECTS]

### THE BUZZ THAT WAS

(Dave Kain & Art Agnello, Entomology, Geneva)

### [Box Text: GOOD NIGHT, IRENE]

Possibly just to satisfy the maxim that "no two are alike", we had a leisurely spring that saw tree and insect development lag notably behind normal timings, until about Memorial Day, when everything took off and left "normal" in the dust (although we didn't quite attain 2010's advanced progression).

Following are summarized comparative listings of some of the pest events that occurred this season, with calendar and degree-day normals. The values and dates are given  $\pm$

one standard deviation; i.e., events should occur within the stated range approximately 7 years out of 10.

<u>EVENT</u>	<u>Date</u>		<u>DDays (43°F)</u>	
	<u>Normal</u> <u>(±days)</u>	<u>2011</u>	<u>Normal</u> <u>(±DD)</u>	<u>2011</u>
<b>APPLE MAGGOT</b>				
1st catch	2-Jul(±10)	11-Jul	1431(±201)	1795
Peak	4-Aug(±11)	11-Aug	2323(±219)	2737
<b>AMERICAN PLUM BORER</b>				
1st catch	15-May(±6)	23-May	437(±47)	537
1st flt peak	4-Jun(±8)	9-Jun	800(±173)	969
1st flt subsides	27-Jun(±5)	5-Jul	1318(±107)	1619
2nd flt start	15-Jul(±10)	21-Jul	1776(±267)	2118
2nd flt subsides	4-Sep(±5)	22-Aug	3147(±218)	3030
<b>GREEN FRUITWORM</b>				
1st catch	5-Apr(±8)	11-Apr	97(±37)	84
Peak	17-Apr(±9)	11-Apr	159(±57)	84
Flt subsides	7-May(±10)	18-Apr	349(±102)	123
<b>LESSER PEACHTREE BORER</b>				
1st catch	24-May(±9)	26-May	582(±103)	601

## OBLIQUEBANDED LEAFROLLER

1st catch	9-Jun( $\pm 6$ )	13-Jun	897( $\pm 82$ )	1064
1st flt peak	15-Jun( $\pm 7$ )	5-Jul	991( $\pm 148$ )	1619
1st flt subsides	15-Jul( $\pm 7$ )	18-Jul	1782( $\pm 170$ )	2014

## ORIENTAL FRUIT MOTH

1st catch	2-May( $\pm 8$ )	12-May	273( $\pm 51$ )	347
1st flt peak	16-May( $\pm 11$ )	19-May	451( $\pm 101$ )	453
1st flt subsides	13-Jun( $\pm 8$ )	2-Jun	984( $\pm 143$ )	804
2nd flt begins	30-Jun( $\pm 5$ )	5-Jul	1386( $\pm 105$ )	1619
2nd flt peak	12-Jul( $\pm 10$ )	13-Jul	1725( $\pm 270$ )	1868
3rd flt begins	11-Aug( $\pm 8$ )	11-Aug	2525( $\pm 210$ )	2737
3rd flt peak	28-Aug( $\pm 13$ )	11-Aug	2949( $\pm 287$ )	2737

## PANDEMIS LEAFROLLER

1st catch	6-Jun( $\pm 6$ )	9-Jun	839( $\pm 68$ )	969
Flt subsides	4-Jul( $\pm 5$ )	5-Jul	1528( $\pm 116$ )	1619

## PEACHTREE BORER

1st catch	17-Jun( $\pm 11$ )	16-Jun	1071( $\pm 282$ )	1118
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## REDBANDED LEAFROLLER

1st catch	16-Apr( $\pm 7$ )	25-Apr	141( $\pm 33$ )	160
1st flt peak	3-May( $\pm 9$ )	5-May	298( $\pm 67$ )	273

1st flt subsides	1-Jun( $\pm 8$ )	2-Jun	736( $\pm 157$ )	804
2nd flt begins	30-Jun( $\pm 6$ )	27-Jun	1410( $\pm 166$ )	1399
2nd flt peak	14-Jul( $\pm 7$ )	21-Jul	1762( $\pm 216$ )	2118
2nd flt subsides	8-Aug( $\pm 10$ )	4-Aug	2430( $\pm 238$ )	2541
3rd flt begins	21-Aug( $\pm 9$ )	11-Aug	2785( $\pm 191$ )	2737
3rd flt peak	28-Aug( $\pm 10$ )	25-Aug	2962( $\pm 245$ )	3100

### SAN JOSE SCALE - adult males

1st flt begins	21-May( $\pm 8$ )	9-May	533( $\pm 84$ )	314
1st flt peak	30-May( $\pm 8$ )	12-May	664( $\pm 71$ )	347
1st flt subsides	15-Jun( $\pm 9$ )	9-Jun	1042( $\pm 191$ )	969
2nd flt begins	15-Jul( $\pm 9$ )	18-Jul	1775( $\pm 173$ )	2014
2nd flt peak	4-Aug( $\pm 9$ )	25-Jul	2309( $\pm 194$ )	2271

### SPOTTED TENTIFORM LEAFMINER

1st catch	18-Apr( $\pm 8$ )	2-May	156( $\pm 43$ )	262
1st flt peak	6-May( $\pm 7$ )	19-May	329( $\pm 65$ )	453
1st flt subsides	5-Jun( $\pm 10$ )	2-Jun	802( $\pm 137$ )	804
2nd flt begins	16-Jun( $\pm 7$ )	20-Jun	1070( $\pm 84$ )	1214
2nd flt peak	7-Jul( $\pm 9$ )	27-Jun	1583( $\pm 215$ )	1399
3rd flt begins	8-Aug( $\pm 8$ )	8-Aug	2445( $\pm 199$ )	2660
3rd flt peak	21-Aug( $\pm 9$ )	22-Aug	2781( $\pm 229$ )	3030

<u>CROP</u>	<u>Date</u>		<u>DDays (43°F)</u>	
	<u>Normal</u>	<u>2011</u>	<u>Normal</u>	<u>2011</u>
<u>PHENOLOGY</u>	<u>(±days)</u>		<u>(±DD)</u>	

### APPLE (MCINTOSH)

Half-inch green	20-Apr(±7)	25-Apr	177(±23)	160
Tight cluster	27-Apr(±7)	2-May	234(±21)	262
Pink	3-May(±7)	12-May	293(±18)	347
Bloom	10-May(±6)	16-May	382(±36)	421
Petal fall	17-May(±6)	23-May	482(±39)	537

### APPLE (RED DELICIOUS)

Half-inch green	20-Apr(±7)	28-Apr	192(±25)	218
Tight cluster	26-Apr(±7)	2-May	248(±28)	262
Pink	6-May(±7)	12-May	334(±38)	347
Bloom	13-May(±7)	16-May	429(±50)	421
Petal fall	22-May(±8)	23-May	543(±68)	537

### PEAR (BARTLETT)

Bud burst	19-Apr(±7)	14-Apr	160(±27)	108
Green cluster	27-Apr(±8)	28-Apr	233(±22)	218
White bud	3-May(±8)	5-May	284(±25)	273
Bloom	7-May(±8)	12-May	344(±39)	347
Petal fall	14-May(±7)	16-May	425(±39)	421

## SWEET CHERRY

Bud burst	19-Apr( $\pm 7$ )	25-Apr	166( $\pm 24$ )	160
White bud	27-Apr( $\pm 7$ )	30-Apr	219( $\pm 24$ )	240
Bloom	2-May( $\pm 7$ )	9-May	275( $\pm 19$ )	314
Petal fall	10-May( $\pm 6$ )	14-May	385( $\pm 33$ )	400

## TART CHERRY (MONTMORENCY)

Bud burst	23-Apr( $\pm 7$ )	26-Apr	196( $\pm 37$ )	167
White bud	1-May( $\pm 7$ )	2-May	262( $\pm 24$ )	262
Bloom	7-May( $\pm 6$ )	12-May	346( $\pm 40$ )	347
Petal fall	16-May( $\pm 6$ )	19-May	445( $\pm 44$ )	453

## [Section: GENERAL INFO]

### EVENT REMINDERS

#### CORNELL FRUIT PEST CONTROL FIELD DAYS

The N.Y. Fruit Pest Control Field Days will take place during Labor Day week on Sept. 7 and 8 this year, with the Geneva portion taking place first (Wednesday Sept. 7), and the Hudson Valley installment on the second day (Thursday Sept. 8). Activities will commence in Geneva on the 7th, with registration, coffee, etc., in the lobby of Barton Lab at 8:30 am. The tour will proceed



to the orchards to view plots and preliminary data from field trials involving new fungicides, bactericides, miticides, and insecticides on tree fruits and grapes. It is anticipated that the tour of field plots will be completed by noon. On the 8th, participants will register at the Hudson Valley Laboratory starting at 8:30, after which they will view and discuss results from field trials on apples and other fruit crops. No pre-registration is required for either event.

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