

# SCAFFOLDS Fruit Journal, Geneva, NY

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Update on Pest Management and Crop Development

August 31, 2015

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## COMING EVENTS

	43°F	50°F
Current DD* accumulations		
(Geneva 1/1-8/31):	2903	1999
(Geneva 1/1-8/31/2014):	2890	1971
(Geneva "Normal"):	3114	2079
(Geneva 1/1-9/7, predicted):	3126	2173
(Highland 1/1-8/31):	3512	2454

## Upcoming Pest Events – Ranges (Normal +/- Std Dev):

### American plum borer

2nd flight subsides .....2927-3353 2018-2372

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

### Codling moth

2nd flight subsides .....2846-3462 1923-2447

### Lesser appleworm

2nd flight peak .....2154-3098 1440-2150

### Lesser appleworm

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

### Obliquebanded leafroller

2nd flight subsides .....3108-3468 2126-2448

Oriental fruit moth		
3rd flight peak .....	2645-3209	1818-2222
Oriental fruit moth		
3rd flight subsides .....	2928-3412	1978-2310
Peachtree borer flight subsides ..	2478-3126	1672-2180
Redbanded leafroller		
3rd flight subsides .....	3124-3436	2142-2422
Spotted tentiform leafminer		
3rd flight peak .....	2570-3016	1749-2105
Spotted tentiform LM		
3rd flight subsides .....	3244-3480	2258-2462
Lesser peachtree borer		
flight subsides .....	2996-3446	2017-2433
*[all DDs Baskerville-Emin, B.E.]		

## TRAP CATCHES (Number/trap/day)

### Geneva

	8/20	8/24	8/27	8/31
Redbanded Leafroller	7.5	6.1	4.8	1.9
Spotted Tentiform LM	12.3	13.9	5.5	8.6
Oriental Fruit Moth	2.3	1.6	0.8	2.3
Codling Moth	5.0	0.5	0.7	0.1
American Plum Borer	0.0	0.0	0.0	0.0
Lesser Peachtree Borer	0.2	0.8	0.0	0.4
Peachtree Borer	0.0	0.0	0.0	0.0
Dogwood Borer	0.0	0.3	1.0	2.8

Obliquebanded Leafroller	0.0	0.3	0.3	0.0
Apple Maggot	1.5	2.3	2.2	2.6
Highland (Peter Jentsch)				
	8/10	8/17	8/24	8/31
Redbanded Leafroller	0.0	1.1*	4.4	1.5
Spotted TentiformLM	10.8	11.4	12.7	11.1
Lesser Appleworm	1.0	1.3	2.0	1.1
Oriental Fruit Moth	0.2	0.6	1.8	1.5
Codling Moth	8.6	4.2	5.5	4.8
San Jose Scale	25.6	16.8	1.3	0.0
Dogwood Borer	1.2	0.9	1.1	0.8
Obliquebanded Leafroller	1.3	0.0	1.3	0.1
Apple Maggot	0.2	0.3	0.3	0.5
Sparganothis Fruitworm	0.1	0.1	0.1	0.1

\* = 1st capture

## [Section: INSECTS]

### 2015 FRUIT ARTHROPOD PEST REVIEW

(Art Agnello, Entomology, Geneva; ama4@cornell.edu)

## [Box Text: WEATHER OR NOT]

It's been difficult to get a good handle on the insect situation this season, mainly because it has seemed relatively quiet with regard to many of the key pest species, but we never feel comfortable advising complacency while

there is still time for something to rear up and cause late-breaking problems. The first part of the spring started out with nearly ideal tree (and insect) development weather — not much rain, moderate temperatures, and with a gradual warming trend that would make any New York native think they'd been teleported a few states to the south. That is, of course, until the last week of May, when some polar express cold blasts barreled their way through the landscape, followed by a sequence of storm fronts that made June one of the wettest on record (at least in WNY, while the Hudson Valley perversely suffered from too little precipitation). This had the effect of suppressing many of insect flights and typical infestation patterns, although frequent rain events made it a challenge to keep the trees covered with preventive sprays. Things remained fairly unsettled into July, and we never really got into true summer temperature patterns until just a few weeks ago, with a prospect of yet more warm and dry weather to continue.

On balance, insect pests were not too problematic, although a number of them needed some extra attention, as is common. As happened in 2014, the rainy spells helped to keep down **mite** numbers for much of the state, although some blocks in the Hudson Valley did run into population blow-ups. Unlike year, **San Jose scale**

infestations have not seemed to be such a common concern, although **woolly apple aphid**, which is notable for being a dependable late summer complication, is present in a number of sites and may yet pose some year-end difficulties. **Codling moth** and **oriental fruit moth** continue to be important drivers of many insect management programs, particularly in western NY, but **apple maggot** trap numbers this season have been mysteriously low so far. **Brown marmorated stink bug** was once again extremely rare in WNY, and low numbers are similarly being reported throughout the mid-Atlantic, although there are trackable populations in parts of ENY and the Hudson Valley. **Spotted wing drosophila** showed up somewhat earlier this year, and continues as a more universal, and urgent, concern, still mostly for berry growers; our cherry and peach plantings will start to require more diligent oversight if this trend continues. The troublesome **black stem borer**, an ambrosia beetle that has been found as the cause of tree decline and death in numerous plantings in WNY, was also documented in several ENY counties this season. We've been assessing a few options as preventive trunk spray treatments, but still don't have much confidence in our ability to control them adequately.

**[Section: GENERAL INFO]**

## TRAC SOFTWARE v2011-EASY ONLINE DOWNLOAD

(Julie Carroll, NYS IPM Program, Geneva;

[jec3@cornell.edu](mailto:jec3@cornell.edu))

**[Box text:GET DOWN WITH IT]**

If you have been thinking about getting Trac software for Apple, Pear, StoneFruit, Cherry, Grape, Berry or a bundle, but weren't sure how, the time is now! Since 2011, the software has been handled through the Center for Technology Licensing (CTL) at Cornell University. But now you can easily purchase the license and download the software online. No more sending in paper forms and payment. Find out how to obtain TracFruit Software at the Center for Technology Licensing: [TracFruit Software License](http://www.ctl.cornell.edu/technology/express-licensing/software/trac-software/fruit.php) at [www.ctl.cornell.edu/technology/express-licensing/software/trac-software/fruit.php](http://www.ctl.cornell.edu/technology/express-licensing/software/trac-software/fruit.php)

Keep records up-to-date, generate reports, analyze your pest management strategies and improve IPM practices with Trac software for Fruit. Instead of filling out several forms for different reports, enter the record once in Trac software. Trac creates reports for you from a single SprayData sheet, *plus* an EPA Worker Protection Standard (WPS) Central Posting form. Each year, you'll save your spray records in a convenient,

customizable Trac Software Excel file that you can refer back to.

The license covers a single farm location. For commercial applications such as for private consultants serving multiple farms, contact Carolyn Theodore, CTL, Technology Licensing Officer, [cat42@cornell.edu](mailto:cat42@cornell.edu). For questions and tech support, contact Juliet Carroll, Fruit IPM Coordinator, NYS IPM Program, [jec3@cornell.edu](mailto:jec3@cornell.edu).

**Trac Software v2011 is now longer-lasting. This version of Trac** has an open ChemTable (no password). This means the software never goes out-of-date, because you update your own ChemTable, generating your year-to-year inventory and associated purchase costs. Complete instructions on how to do this are included in the [Trac Software Manual](#) ([nysipm.cornell.edu/trac/tracsoftwaremanual.pdf](http://nysipm.cornell.edu/trac/tracsoftwaremanual.pdf)) and in the software itself, along with a sample 2010 ChemTable.

Trac software runs in Microsoft Excel, so you'll need Excel to run it. With Trac, it is easy to create reports and records using the many features of Excel! Those familiar with working on a spreadsheet will find it easy to use Trac software, since it is written in MS Excel.

Very simply, you "fill in the blanks" on the data-entry sheets, much like sheets of paper. One sheet asks for basic grower information, such as name and address, another sheet allows the user to enter their spray information, etc.

From the data-entry sheets, Trac completes various report forms, including an EPA Worker Protection Standard (WPS) Central Posting form and the NYS DEC Applicator/Technician Pesticide Annual Report. Each version of Trac software has processor and buyer report forms specific to that crop.

Trac software generates drop-down lists for pesticide trade names and target pests from which you can select. Using drop-down lists saves time and prevents typing errors, improving the accuracy of your records. Join the numerous farmers using Trac and benefitting from its streamlined reports, visit [TracFruit Software License](http://www.ctl.cornell.edu/technology/express-licensing/software/trac-software/fruit.php) at [www.ctl.cornell.edu/technology/express-licensing/software/trac-software/fruit.php](http://www.ctl.cornell.edu/technology/express-licensing/software/trac-software/fruit.php) or [Trac Software for Fruit](http://nysipm.cornell.edu/trac/) at [nysipm.cornell.edu/trac/](http://nysipm.cornell.edu/trac/) to learn more. Get Trac, set up your records and generate all your 2015 spray record reports in less than a day!



## EVENT ANNOUNCEMENTS

### **[Box text: FRUIT TOURS]**

#### CORNELL FRUIT PEST CONTROL FIELD DAYS

The N.Y. Fruit Pest Control Field Days will take place during Labor Day week on Sept. 9 and 10 this year, with the Geneva portion taking place first (Wednesday Sept. 9), and the Hudson Valley installment on the second day (Thursday Sept. 10). Activities will commence in Geneva on the 9th, 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 10th, 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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