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

Update on Pest Management
and Crop Development

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Geneva, NY

DOGGED DAYS

APPLE MAGGOTS ALOFT

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for control, and 1-2 sprays of a B.t. product
can also be a useful alternative.



❖❖ Just a reminder that the past week saw a marked increase in our apple maggot trap captures in both our Geneva and Wayne Co. sites, indicating that we are now in the midst of peak flight, at least in western NY, so if your blocks have not received a preventive spray against this pest in the last 10 days, this week would be optimal timing to ensure that the fruits are protected until the population pressure abates at the end of the month.



Notes from the Field

European corn borer is reported to be active now in western NY, with damage being detected in apple plantings near cornfields. This late season moth can be active until the middle of September, so larvae can be a threat, particularly to later varieties. Delegate is a good option

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CORNELL FRUIT PEST CONTROL FIELD DAYS

& Networking Lunch with Industry

The Cornell Fruit Pest Control Field Days will take place during Labor Day week on Sept. 6-7 this year, with the Geneva portion taking place on **Thursday Sept. 6**, and the Hudson Valley installment on the second day, **Friday, Sept. 7** (yes, that's a day later in the week than we usually hold it, but we've decided to push it back to accommodate some of our presenters' teaching schedules). Activities will commence in Geneva on the 6th, 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 before noon.

This year, we are inviting all of our Geneva-based graduate students (not just fruit people) to join the tour, to give them an opportunity to observe industry product efficacy in the field, showcasing the latest pest management materials and techniques, and to meet and network with the consultants and agrichemical industry representatives in attendance. Following the field presentations, lunch will be served to all attendees at Barton Lab. While the field tour will be fruit-oriented, representatives and consultants attend from a wide range of companies and businesses, relevant to many sectors of agriculture. They will each have an opportunity to give a brief overview at lunch about their business and what they look for in prospective employees. This will be an excellent networking opportunity for ALL graduate students.

On Sept. 7th, 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.

BMSB MANAGEMENT SURVEY FOR COMMERCIAL PRODUCERS

A nation-wide survey is currently under way to gather information from farmers and growers on the economic impact of the brown marmorated stink bug (BMSB) on agriculture. The objective of the survey is to better provide you with the help you need in managing this pest. We'd like to find out when BMSB became a problem for you, where you currently get information on how to control them, how much damage you have suffered, your use of and interest in various management practices, and your feelings about biological control methods and their potential for your operation. The results of the survey will be used by Extension programs across the United States to fine tune management advice for the BMSB and help prioritize research and outreach activities.

If you'd like to participate, the survey should take you about 20-25 minutes to complete. Your

individual survey responses will be confidential and the data collected will only be reported in summaries. Your participation is voluntary and

continued...

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<http://www.scaffolds.entomology.cornell.edu/index.html>

you can decide not to answer a given question if you choose.

The link to the on-line survey along with more information about the survey can be found on the StopBMSB.org website (<http://stopbmsb.org/go/BfxA>). If you have any questions about the Brown Marmorated Stink Bug Management Survey for Commercial Producers, please contact Jayson Harper by e-mail at jk4@psu.edu or call 814-863-8638.

ORCHARD RADAR DIGEST

[H = Highland; G = Geneva]:

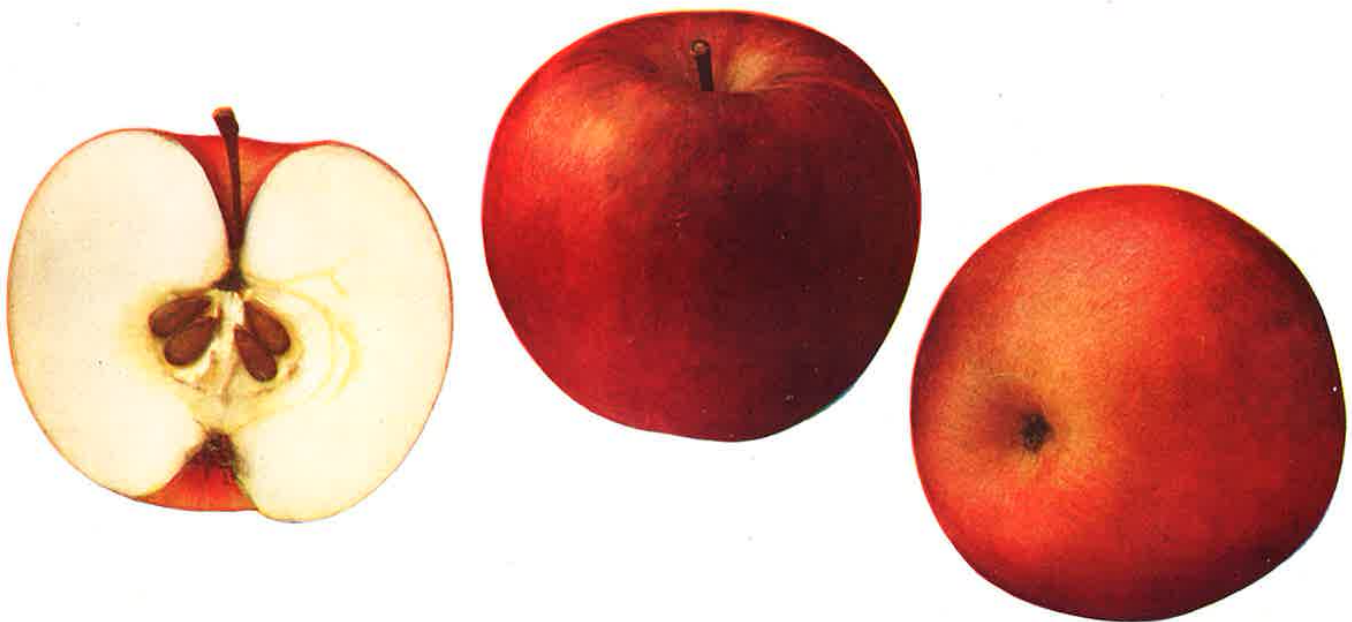
Codling Moth

Codling moth development as of July 30:
2nd generation adult emergence at 93%
(H)/77% (G) and 2nd generation egg hatch at
71% (H)/40% (G).

NUT PRODUCTION SURVEY

Farmers of NYS, do you think growing tree nuts (chestnuts, hazelnuts, walnuts, etc.) is a nutty idea, or worth considering? Please take a few minutes to fill out this [brief survey](#) for a Cornell PhD project. Thanks!

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JONATHAN

UPCOMING PEST EVENTS

	43°F	50°F
Current DD* accumulations (Geneva 1/1–8/6):	2439.5	1710.5
(Geneva 1/1–8/6/2017):	2359.9	1556.6
(Geneva "Normal"):	2453.6	1670.4
(Geneva 1/1-8/13, predicted):	2661.0	1883.0
(Highland 1/1–8/6):	2661.7	1870.6

<u>Coming Events:</u>	<u>Ranges (Normal ±StDev):</u>	
Codling moth 2nd flight peak	1954-2684	1300-1854
Lesser appleworm 2nd flight peak	2144-3071	1433-2129
Obliquebanded leafroller 2nd flight peak	2588-3007	1750-2092
Oriental fruit moth 3rd flight start	2254-2810	1521-1950
Redbanded leafroller 2nd flight subsides	2166-2707	1458-1863
Spotted tentiform leafminer 3rd flight peak	2554-2995	1735-2088

*all DDs Baskerville-Emin, B.E.

INSECT TRAP CATCHES (Number/Trap/Day)

Geneva, NY

Highland, NY

	<u>7/30</u>	<u>8/3</u>	<u>8/6</u>		<u>7/23</u>	<u>7/30</u>	<u>8/6</u>
Redbanded leafroller	0.5	0.5	0.0	Redbanded leafroller	24.5	11.5	8.5
Spotted tentiform leafminer	25.5	76.0	93.0	Spotted tentiform leafminer	21.0	86.0	140.0
Oriental fruit moth	17.0	26.5	38.5	Lesser appleworm	0.0	0.5	0.5
Codling moth	38.0	32.5	32.5	Oriental fruit moth	0.0	1.5	1.0
Lesser peachtree borer	2.5	2.0	4.0	Codling moth	45.5	45.5	26.0
Obliquebanded Leafroller	1.0	0.5	0.5	San Jose scale	445.5	1328	1655.0
Dogwood borer	0.0	0.0	0.0	Obliquebanded leafroller	0.0	1.0	0.0
Peachtree borer	7.0	5.0	4.5	Dogwood borer	-	-	4.5
Apple maggot	2.0*	3.0	1.7	Tufted apple budmoth	0.0	0.0	0.0
				Sparganothis fruitworm	0.0	0.0	0.0
				Apple maggot	3.8	10.3	7.5

* 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.

The **Cornell Pest Management Guidelines for Commercial Tree Fruit Production** (aka 'The Recommends') is available from the Cornell Store, both in a printed book format as well as online; visit <https://ipmguidelines.org/> for purchasing details.

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