

scaffolds

Update on Pest Management
and Crop Development

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

September 5, 2017

VOLUME 26, No. 23

Geneva, NY

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...NO
STINKIN'
BUGS

BMSB ALERT
(Peter Jentsch,
Entomology,
Highland;
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Traps at the Hudson Valley Research Laboratory in Highland NY have increased dramatically recently, with 13 brown marmorated stink bug (BMSB) adults observed in and on a pyramid trap. In tree fruit blocks where adults or nymphs are found, orchard management for the pest should be initiated.. In Monroe Co., BMSB nymph captures have increased dramatically since early August, averaging 13 per trap last week. Late peaches are at greatest risk as we move into September. You can view the [EDDMaps/BMSB](#) site to obtain trap threshold updates by NYS county. For more details on BMSB management resources, check the Jentsch Lab blog page at: <http://blogs.cornell.edu/jentsch/2017/08/29/bmsb-adult-trap-captures-above-threshold-hvrl-29th-aug-2017/> ❖❖

EVENT ANNOUNCEMENT

CORNELL FRUIT PEST CONTROL FIELD DAYS

The N.Y. Fruit Pest Control Field Days will take place during Labor Day week on Sept. 7-8 this year, with the Geneva portion taking place on Thursday Sept. 7, and the Hudson Valley installment on the second day, Friday, Sept. 8 (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). Ac-

tivities 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

before 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. ❖❖

DIFFERING
BY
DEGREE

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

❖❖ This season could not have been more different than last year in weather patterns and pest occurrence, and insect trap numbers are only one

continued...

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index of the variability inherent in New York orchard systems from one year to the next. We'll have to wait a bit to see how crop size and quality was affected by the 2017 growing conditions, but for now at least, we do have the pest numbers from pheromone traps in our NYSAES research orchards. Following are summarized comparative listings of some of the pest events (for the "usual" species) and crop development

stages that occurred this season (in Geneva) with calendar and degree-day means; we used to call them "normal" values, but somehow the term doesn't seem appropriate, as most years tend to be anything but normal. The values and dates are given +/- one standard deviation; i.e., events should occur within the stated range approximately 7 years out of 10.

PEST EVENT	DATE		DEGREE DAYS(BASE 43 °F)	
	Mean (+/-days)	2017	Mean (+/-DD)	2017
APPLE MAGGOT				
1st catch	2-Jul(+/-10)	21-Jul	1458(+/-232)	1950
Peak	5-Aug(+/-10)	14-Aug	2384(+/-258)	2556
BLACK STEM BORER				
1st catch	2-May(+/-10)	3-May	312(+/-62)	267
1st flight peak	1-Jun(+/-12)	18-May	769(+/-172)	793
1st flight subsides	14-Jun(+/-12)	7-Jun	1027(+/-221)	945
CODLING MOTH				
1st catch	18-May(+/-7)	19-May	482(+/-84)	514
1st flight peak	3-Jun(+/-12)	19-Jun	777(+/-214)	1131
1st flight subsides	6-Jul(+/-13)	17-Jul	1555(+/-279)	1834
2nd flight start	20-Jul(+/-14)	21-Jul	1906(+/-323)	1950
2nd flight peak	6-Aug(+/-14)	3-Aug	2319(+/-365)	2280
DOGWOOD BORER				
1st catch	12-Jun(+/-10)	8-Jun	987(+/-240)	828
Peak	8-Jul(+/-10)	30-Jun	1631(+/-218)	1378
GREEN FRUITWORM				
1st catch	5-Apr(+/-7)	3-Apr	99(+/-49)	104
Peak	18-Apr(+/-8)	1-May	164(+/-68)	353
Flight subsides	9-May(+/-10)	22-May	373(+/-104)	556
LESSER APPLEWORM				
1st catch	13-May(+/-12)	NA	420(+/-144)	NA
1st flight peak	22-May(+/-13)	NA	569(+/-205)	NA
1st flight subsides	25-Jun(+/-11)	NA	1270(+/-268)	NA
2nd flight begins	14-Jul(+/-12)	NA	1768(+/-339)	NA
LESSER PEACHTREE BORER				
1st catch	24-May(+/-8)	19-May	575(+/-96)	514
Peak flight	27-Jun(+/-19)	19-Jun	1310(+/-457)	1131

<u>PEST EVENT</u>	<u>DATE</u>		<u>DEGREE DAYS(BASE 43 °F)</u>	
	<u>Mean (+/-days)</u>	<u>2017</u>	<u>Mean (+/-DD)</u>	<u>2017</u>
OBLIQUEBANDED LEAFROLLER				
1st catch	8-Jun(+/-7)	12-Jun	889(+/-92)	937
1st flight peak	16-Jun(+/-7)	16-Jun	1031(+/-187)	1034
1st flight subsides	16-Jul(+/-7)	24-Jul	1839(+/-209)	2035
2nd flight begins	7-Aug(+/-9)	28-Jul	2424(+/-204)	2127
ORIENTAL FRUIT MOTH				
1st catch	2-May(+/-8)	24-Apr	273(+/-50)	262
1st flight peak	14-May(+/-11)	19-May	434(+/-102)	514
1st flight subsides	12-Jun(+/-8)	12-Jun	966(+/-137)	937
2nd flight begins	29-Jun(+/-5)	19-Jun	1369(+/-125)	1131
2nd flight peak	11-Jul(+/-9)	14-Jul	1703(+/-248)	1752
2nd flight subsides	31-Jul(+/-7)	31-Jul	2275(+/-249)	2192
3rd flight begins	10-Aug(+/-9)	3-Aug	2532(+/-278)	2280
PANDEMIS LEAFROLLER				
1st catch	5-Jun(+/-6)	NA	824(+/-68)	NA
Peak	14-Jun(+/-8)	NA	1039(+/-149)	NA
Flight subsides	5-Jul(+/-6)	NA	1567(+/-126)	NA
PEACHTREE BORER				
1st catch	16-Jun(+/-11)	26-May	1050(+/-269)	618
Peak flight	5-Jul(+/-20)	19-Jun	1516(+/-488)	1131
REDBANDED LEAFROLLER				
1st catch	16-Apr(+/-9)	10-Apr	145(+/-31)	138
1st flight peak	3-May(+/-10)	1-May	304(+/-74)	353
1st flight subsides	1-Jun(+/-8)	5-Jun	748(+/-143)	783
2nd flight begins	29-Jun(+/-6)	23-Jun	1381(+/-176)	1224
2nd flight peak	14-Jul(+/-7)	7-Jul	1752(+/-223)	1565
2nd flight subsides	8-Aug(+/-11)	10-Aug	2436(+/-271)	2453
3rd flight begins	19-Aug(+/-10)	14-Aug	2734(+/-216)	2556
SPOTTED TENTIFORM LEAFMINER				
1st catch	19-Apr(+/-9)	20-Apr	168(+/-50)	237
1st flight peak	7-May(+/-8)	1-May	338(+/-69)	353
1st flight subsides	5-Jun(+/-9)	8-Jun	812(+/-134)	828
2nd flight begins	16-Jun(+/-7)	12-Jun	1070(+/-88)	937
2nd flight peak	7-Jul(+/-8)	7-Jul	1585(+/-198)	1565
2nd flight subsides	28-Jul(+/-8)	24-Jul	2176(+/-178)	2035
3rd flight begins	7-Aug(+/-8)	28-Jul	2434(+/-195)	2127
3rd flight peak	19-Aug(+/-9)	14-Aug	2774(+/-221)	2556

CROP PHENOLOGY	DATE		DEGREE DAYS (BASE 43°F)	
	Mean (+/-days) 2017		Mean (+/-DD)	2017
APPLE (MCINTOSH)				
Silver tip	7-Apr(+/-8)	27-Mar	85(+/-22)	90
Green tip	12-Apr(+/-8)	10-Apr	122(+/-23)	138
Half-inch green	20-Apr(+/-8)	17-Apr	175(+/-26)	224
Tight cluster	27-Apr(+/-8)	20-Apr	232(+/-25)	237
Pink	3-May(+/-7)	27-Apr	291(+/-24)	298
Bloom	10-May(+/-6)	4-May	380(+/-35)	380
Petal fall	17-May(+/-6)	8-May	481(+/-42)	389
Fruit set	22-May(+/-6)	22-May	552(+/-44)	556
APPLE (RED DELICIOUS)				
Silver tip	8-Apr(+/-8)	27-Mar	96(+/-16)	90
Green tip	13-Apr(+/-9)	13-Apr	137(+/-26)	178
Half-inch green	20-Apr(+/-10)	17-Apr	191(+/-25)	224
Tight cluster	26-Apr(+/-10)	24-Apr	248(+/-28)	262
Pink	5-May(+/-8)	1-May	327(+/-38)	353
King bloom	8-May(+/-8)	4-May	376(+/-55)	380
Bloom	13-May(+/-7)	8-May	420(+/-45)	389
Petal fall	20-May(+/-7)	15-May	525(+/-67)	430
Fruit set	23-May(+/-6)	19-May	567(+/-51)	514
APPLE (EMPIRE)				
Silver tip	7-Apr(+/-8)	30-Mar	90(+/-11)	100
Green tip	15-Apr(+/-4)	13-Apr	119(+/-25)	178
Half-inch green	18-Apr(+/-10)	17-Apr	171(+/-30)	224
Tight cluster	24-Apr(+/-11)	24-Apr	225(+/-28)	262
Pink	30-Apr(+/-9)	27-Apr	287(+/-26)	298
King bloom	3-May(+/-7)	1-May	335(+/-23)	353
Bloom	9-May(+/-6)	4-May	382(+/-30)	380
Petal fall	18-May(+/-6)	15-May	483(+/-39)	430
Fruit set	22-May(+/-6)	19-May	539(+/-39)	514
PEACH				
Swollen bud	12-Apr(+/-8)	NA	113(+/-29)	NA
Bud burst	18-Apr(+/-11)	NA	157(+/-33)	NA
Half-inch green	26-Apr(+/-8)	NA	196(+/-24)	NA
Pink	26-Apr(+/-10)	17-Apr	228(+/-29)	224
Bloom	2-May(+/-9)	24-Apr	290(+/-35)	262
Petal fall	12-May(+/-8)	27-Apr	411(+/-54)	298

CROP PHENOLOGY	DATE		DEGREE DAYS (BASE 43°F)	
	Mean (+/-days)	2017	Mean (+/-DD)	2017
PEAR				
Swollen bud	8-Apr(+/-9)	3-Apr	105(+/-33)	104
Bud burst	18-Apr(+/-8)	13-Apr	160(+/-28)	178
Green cluster	26-Apr(+/-9)	24-Apr	233(+/-22)	262
White bud	1-May(+/-9)	27-Apr	280(+/-29)	298
Bloom	6-May(+/-8)	1-May	340(+/-38)	353
Petal fall	13-May(+/-8)	8-May	420(+/-37)	389
Fruit set	17-May(+/-8)	15-May	479(+/-54)	430
PLUM				
Swollen bud	11-Apr(+/-12)	NA	129(+/-43)	NA
Bud burst	19-Apr(+/-9)	17-Apr	168(+/-27)	224
Green cluster	28-Apr(+/-8)	24-Apr	226(+/-41)	262
White bud	26-Apr(+/-12)	NA	238(+/-32)	NA
Bloom	2-May(+/-11)	27-Apr	298(+/-40)	298
Petal fall	10-May(+/-9)	4-May	391(+/-38)	380
Fruit set	16-May(+/-9)	8-May	462(+/-44)	389
SWEET CHERRY				
Swollen bud	10-Apr(+/-8)	NA	106(+/-28)	NA
Bud burst	19-Apr(+/-9)	18-Apr	166(+/-25)	220
White bud	27-Apr(+/-8)	20-Apr	223(+/-25)	237
Bloom	2-May(+/-8)	24-Apr	278(+/-23)	262
Petal fall	10-May(+/-6)	4-May	389(+/-31)	380
Fruit set	14-May(+/-6)	11-May	435(+/-44)	398
TART CHERRY				
Swollen bud	11-Apr(+/-8)	NA	114(+/-41)	NA
Bud burst	23-Apr(+/-6)	17-Apr	198(+/-36)	224
White bud	1-May(+/-7)	20-Apr	261(+/-23)	237
Bloom	7-May(+/-6)	27-Apr	341(+/-40)	298
Petal fall	16-May(+/-6)	8-May	443(+/-43)	389
Fruit set	19-May(+/-8)	15-May	503(+/-61)	430

**STICKY
SIDE
UP**

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

we'll send out an email to all current subscribers to verify addresses for 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 26, 2017 of Scaffolds Fruit Journal.

❖❖ With this issue, Scaffolds ceases publication for the season; we expect to start up again next March. In March, as usual,

KEY = GFW - Green Fruitworm; RBLR - Redbanded Leafroller; STLM - Spotted Tentiform Leafminer; OFM - Oriental Fruit Moth (in apples); CM - Codling Moth; LPTB - Lesser Peachtree Borer (in peach); DWB - Dogwood Borer; OBLR - Obliquebanded Leafroller; PTB - Peachtree Borer; AM - Apple Maggot; * - first catch of the generation

Geneva Pest Trapping Results - Avg/Trap

DATE	GFW	RBLR	STLM	OFM	CM	LPTB	OBLR	DWB	PTB	AM
3/30	0.0									
4/3	0.5*	0.0								
4/10	1.0	0.5*								
4/13	0.5	13.5								
4/17	1.0	24.0	0.0							
4/20	0.5	18.5	1.5*	0.0						
4/24	0.0	35.5	25.5	13.5*						
4/27	0.0	57.0	8.0	0.5						
5/1	5.0	105.5	89.5	30.5						
5/4	0.5	9.0	2.5	0.0						
5/8	0.0	5.0	2.5	0.0						
5/11	0.0	3.5	2.0	0.5						
5/15	0.5	28.5	25.0	11.0	0.0	0.0				
5/19	0.5	34.5	22.5	81.0	8.0*	2.0*				
5/22	0.0	4.0	5.5	8.0	10.5	0.5			0.0	
5/26	0.0	4.0	4.5	14.5	26.0	4.5			0.5*	
5/30		2.5	1.0	5.5	15.5	7.0			0.5	
6/2		1.0	0.5	5.5	10.5	0.0			2.0	
6/5		0.0	0.5	3.5	6.5	0.0		0.0	0.0	
6/8		0.0	0.0	3.0	4.56	3.0	0.0	1.5*	1.0	
6/12		0.0	0.5*	3.0	14.0	-	25.0*	1.0	-	
6/16		0.5	1.5	4.0	36.5	8.0	32.0	0.5	15.5	
6/19		0.0	50.0	12.0*	48.0	18.5	15.0	2.0	17.5	
6/23		2.5*	125.0	19.5	31.5	10.5	29.5	5.5	17.5	
6/26		2.5	107.0	47.5	9.5	14.0	16.5	12.0	15.0	
6/30		31.5	270.0	35.5	13.5	4.0	7.0	13.0	16.5	
7/7		53.0	282.0	43.5	12.5	-	6.0	4.0	-	
7/10		28.5	184.0	25.5	2.0	10.5	7.0	5.0	8.5	
7/14		16.0	144.0	48.5	3.0	2.5	7.5	7.0	6.0	
7/17		6.0	158.0	5.5	1.5	4.0	5.0	1.5	4.5	0.0
7/21		1.0	55.5	6.5	7.5*	3.5	1.0	4.5	1.5	1.0*
7/24		0.5	42.0	6.0	10.5	1.5	0.5	2.0	1.0	0.0
7/28		1.5	93.5*	4.0	6.5	0.5	1.0*	1.5	2.5	0.0
7/31		1.5	109.5	2.0	8.0	23.5	3.0	2.0	0.0	0.0
8/3		1.0	115.0	4.5*	37.5	0.0	1.5	0.0	10.0	2.7
8/7		1.5	126.5	19.5	24.5	2.0	2.5	0.0	5.0	1.3
8/10		1.0	140.5	11.5	13.0	1.0	4.0		1.0	0.7
8/14		3.0*	325.5	54.5	34.0	7.0	9.0		2.0	5.3

KEY = GFW - Green Fruitworm; RBLR - Redbanded Leafroller; STLM - Spotted Tentiform Leafminer; OFM - Oriental Fruit Moth (in apples); CM - Codling Moth; LPTB - Lesser Peachtree Borer (in peach); DWB - Dogwood Borer; OBLR - Obliquebanded Leafroller; PTB - Peachtree Borer; AM - Apple Maggot; * - first catch of the generation

Geneva Pest Trapping Results - Avg/Trap (continued)

DATE	GFW	RBLR	STLM	OFM	CM	LPTB	OBLR	DWB	PTB	AM
8/17		5.5	128.0	21.5	9.0	5.0	2.0		1.5	2.3
8/21		25.0	171.0	21.5	31.5	10.5	4.5		1.5	1.0
8/25		26.0	96.5	34.5	13.5	5.5	2.5		0.0	0.0
8/28		8.5	32.0	25.0	1.0	3.5	1.0		0.5	0.0
8/31		18.0	43.0	25.0	7.0	6.5	3.5		0.0	0.0
9/5		37.5	15.5	35.0	8.0	5.5	7.5		1.0	0.0

HUDSON VALLEY INSECT 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; OBLR - Obliquebanded Leafroller; SPAR - Sparganothis fruitworm; VLR - Variegated leafroller; TABM - Tufted apple bud moth; DWB - Dogwood borer; AM - Apple Maggot; * - first catch of the generation.

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

DATE	GFW	RBLR	STLM	OFM	LAW	CM	SJS	OBLR	SPAR	VLR	TABM	DWB	AM
4/3	0.0	0.0											
4/10	1.0*	10.0*		0.0	0.0								
4/17	0.0	98.0	0.0	2.0*	5.0*								
4/24	0.0	103.5	75.5	0.5	8.5								
5/1	0.0	109.5	154.5	47.0	93.5								
5/8	0.0	54.0	16.0	9.5	64.5	0.0							
5/15	0.0	30.5	10.0	9.5	29.0	4.0*	0.0						
5/22	0.0	22.0	2.5	9.0	5.5	49.5	30.5*	0.0					
5/30		1.5	0.0	3.5	2.0	48.5	0.0	0.5*	0.0	0.0	0.0		
6/5		0.0	1.0	3.0	11.5	13.0	1.0	4.5	1.0*	4.0*	3.5*		
6/12		0.0	40.5*	3.5	11.2	27.0	0.0	13.0	2.0	6.0	12.0	0.0	
6/19		2.0*	173.5	2.0	2.5	36.0	0.0	20.0	0.0	1.0	13.0	1.0*	
6/26		14.5	168.0	2.0	6.0	29.5	0.0	18.5	1.0	2.0	20.0	1.5	
7/3		16.0	177.0	1.5	20.0	6.0	0.0	9.5	0.0	2.0	7.0	4.0	
7/10		22.0	271.5	4.5	21.0	2.0	0.5*	16.5	1.5	0.0	1.5	3.5	0.0
7/17		15.5	193.5	3.5	0.0	10.0*	53.0	4.5	0.0	0.0	0.0	0.5	4.3*
7/24		11.5	180.5	6.5	14.5	16.5	1597	1.5	1.0	1.5	1.5	24.5	3.3
7/31		14.5	188.0	6.5	12.5	42.5	598.0	6.0*	1.0	0.0	2.5	16.0	2.8
8/7		10.0	198.5	2.5	13.0	16.5	227.0	3.5	1.0	2.0	0.0	29.5	1.5
8/14		11.5	208.0	1.5	5.0	3.5	885.5	5.0	0.0	3.0	0.0	15.5	2.3
8/21		24.0	325.0	12.0	4.5	9.0	317.5	2.0	0.0	2.0	0.0	12.0	1.3
8/28		47.0	122.0	15.5	5.0	9.5	90.5	3.0	0.0	3.5	0.0	9.0	0.5
9/4		43.0	77.0	5.5	6.5	3.5	13.5	2.5	0.0	3.0	3.0	0.0	0.3

POSITION AVAILABLE WITH LAKE ONTARIO FRUIT PROGRAM

❖❖ The Lake Ontario Fruit (LOF) Program is looking to fill a full time position on their team: Production Economics and Business Management Educator (Extension Support Specialist II), who will be based in Newark, NY. This is a key position in Cornell Cooperative Extension's fruit outreach program; LOF serves commercial fruit producers in Wayne, Monroe, Orleans, Niagara, and Oswego counties along the shore of Lake Ontario. In these counties, there are 259 apple farms growing over 26,000 acres. The fruit industry of the LOF region is growing, vibrant, and continues to invest in modern technology to compete in world markets. For more information and to apply, see the official announcement at: https://cornell.wd1.myworkdayjobs.com/en-US/CornellCareerPage/job/New-York-State-Other/Production-Economics-and-Business-Management-Educator--Extension-Support-Specialist-II---Cooperative-Extension---Newark--New-York_WDR-00010019-2

NEWA SURVEY

(Julie Carroll, IPM, Geneva; jec3@cornell.edu)

❖❖ The Network for Environment and Weather Applications (NEWA) wants you to take our online survey — it'll only take about 10 minutes of your time.

Take the survey now:

https://cornell.qualtrics.com/jfe/form/SV_0GRlhOIDI5Hwbr3

Whether you've used NEWA's online pest forecast models for years or have never used NEWA at all, we will benefit from your responses. Why? Because we are building a new website at newa.cornell.edu, one that'll

be as easy to use on your smart phone as on your desktop, and we want to build it *the way you want it to be*.

NEWA is an online agricultural decision support system that uses real time weather data, streamed over the internet from 573 weather stations throughout the Northeast, Midwest and mid-Atlantic. NEWA provides insect and plant disease pest management tools, degree days, and weather information for growers, consultants, Extension educators, faculty, and others.

NEWA models and resources are available free of charge, and are used to make informed localized crop management decisions. The NEWA website will be upgraded soon and we want to know what users', new and old, want and need out of the new website.

All responses are anonymous and confidential and will not be shared with any outside group. Thank you for participating!

SCAFFOLDS Fruit Journal

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Peachtree borers management
 Woolly apple aphid management

No. 10, May 30

INSECTS

Fruit-feeding lep management

DISEASES

Human-aided dissemination of fire blight

GENERAL INFO

Field Days - Organic apple pest mgt

No. 11, June 5

INSECTS

San Jose scale/White prunicola scale management

GENERAL INFO

Field Days - Organic apple pest mgt

No. 12, June 12

INSECTS

Potato leafhopper
 BMSB Info Resource

GENERAL INFO

Field Days - Organic apple pest mgt

No. 13, June 19

INSECTS

Early summer insect roundup
 Mite management strategies

No. 14, June 26

DISEASES

Sooty blotch/Flyspeck and Summer Rots
 Lightning Injury in apple trees

INSECTS

Apple maggot monitoring

No. 15, July 3

INSECTS

Summer insects lineup

CHEM NEWS

Bifenthrin Section 18 for BMSB in NY

ERRATA

June 26 summer diseases article

No. 16, July 10

INSECTS

Beneficial insects

DISEASES

Bitter rot on apples

No. 17, July 17

INSECTS

Comstock mealybug

DISEASES

Bacterial canker in cherries

No. 18, July 24

INSECTS

Midsummer pest update

GENERAL INFO

Wayne Co. Fruitgrower Tour

No. 19, July 31

INSECTS

SWD Alert/August insect review

GENERAL INFO

Wayne Co. Fruitgrower Tour

No. 20, August 7

INSECTS

Spotted Wing Drosophila in stone fruit

Apple maggot advisory

GENERAL INFO – EVENTS

Cornell Fruit Pest Control Field Days

No. 21, August 21

GENERAL INFO – EVENTS

Cornell Fruit Pest Control Field Days

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2017 Fruit Arthropod Pest Review

GENERAL INFO – EVENTS

Cornell Fruit Pest Control Field Days

NY Farmer Heavy Rainfall Survey

No. 23, September 5

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BMSB alert

Summary of 2017 Pest Events

2017 Insect trap catch summary

GENERAL INFO

Position available with Lake Ontario Fruit Program

Cornell Fruit Pest Control Field Days

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INSECT TRAP CATCHES (Number/Trap)								
Geneva, NY				Highland, NY				
	8/28	8/31	9/5		8/21	8/28	9/4	
Redbanded leafroller	8.5	18.0	37.5	Redbanded leafroller	24.0	47.0	43.0	
Spotted tentiform leafminer	32.0	43.0	15.5	Spotted tentiform leafminer	325.0	122.0	77.0	
Oriental fruit moth	25.0	25.0	35.0	Oriental fruit moth	12.0	15.5	5.5	
Codling moth	1.0	7.0	8.0	Lesser appleworm	4.5	5.0	6.5	
Lesser peachtree borer	3.5	6.5	5.5	Obliquebanded leafroller	2.0	3.0	2.5	
Peachtree borer	0.5	0.0	1.0	Codling moth	9.0	9.5	3.5	
Dogwood borer	0.0	0.0	0.0	San Jose scale	317.5	90.5	13.5	
Obliquebanded leafroller	1.0	3.5	7.5	Sparganothis fruitworm	0.0	0.0	0.0	
Apple Maggot	0.0	0.0	0.0	Variegated leafroller	2.0	3.5	3.0	
				Tufted Apple Bud Moth	0.0	0.0	3.0	
				Dogwood Borer	12.0	9.0	0.0	
				Apple Maggot	1.3	0.5	0.3	

UPCOMING PEST EVENTS			
		43°F	50°F
Current DD*	(Geneva 1/1-9/5/17):	3015.7	2007.1
accumulations	(Geneva 1/1-9/5/16):	3326.8	2340.0
	(Geneva "Normal"):	3221.8	2231.1
	(Geneva 1/1-9/11, predicted):	3113.7	2064.1
	(Highland 1/1-9/4/17):	3571.0	2465.0
<u>Coming Events: Ranges (Normal ±StdDev):</u>			
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 subsides		2794-3488	1918-2422
Lesser peachtree borer flight subsides		2996-3446	2017-2433
Obliquebanded leafroller 2nd flight subsides		3108-3468	2126-2448
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
San Jose scale 2nd flight subsides		2673-3419	1813-2429
Spotted tent. leafminer 3rd gen flight subsides		3244-3480	2258-2462
White apple LH 2nd brood adults 1st catch		2770-3098	1948-2252
*all DDs Baskerville-Emin, B.E.			

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.

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