

2016 Hudson Valley Research Lab Scouting Report

NYSAES Entomology Dept., Highland, NY

<u>Date</u>	<u>Baskerville-Emin (BE)</u>		<u># / trap / day (pheromone trap)</u>	<u>Field Observations / Trap Catches / Models</u>
	<u>DD Accumulations (previous day NEWA)</u>			
	43 F	50 F		
3/8	89.7	30.7		Beginning degree day accumulations beginning 1 January, 2016 Apple – McIntosh – Dormant
3/14	154.6	68.0	0.0	Spotted Green Fruitworm (SGFW) (0/0) trap set (3/8)
			0.1	Redbanded Leafroller (RBLR) (1/1) trap set (3/8) *1 st catch
			0.5	Psylla eggs / bud (27 egg /50 buds / 5 UT Bart. stems)
			0.0	Psylla nymphs / bud (0 nym. /50 buds/ 5 UT Bart. stems)
				Apple – McIntosh – Silver Tip
				Apple – Empire, Ginger Gold, Spur Red Delicious – Dormant
				Pear – Bartlett / Bosc – Swollen Bud
			0.19”	Weekly Rainfall
			0.19”	Total Rainfall
3/21	189.9	81.6	0.4	Spotted Green Fruitworm (SGFW) (1/5) trap set *1 st catch
			<0.1	Redbanded Leafroller (RBLR) (1/0) trap set
			1.2	Psylla eggs / bud (59 egg /50 buds / 5 UT Bart. stems)
			0.0	Psylla nymphs / bud (0 nym. /50 buds/ 5 UT Bart. stems)
				Apple – McIntosh – Green Tip (on 3/17)
				Apple – Empire, Ginger Gold, Spur Red Delicious – Silver Tip
				Pear – Bartlett / Bosc – Swollen Bud
			0.19”	Weekly Rainfall
			0.38”	Total Rainfall
3/28	231.3	99.9	1.0	Spotted Green Fruitworm (SGFW) (1/13)
			3.7	Redbanded Leafroller (RBLR) (31/21)
			1.2	Psylla eggs / bud (71 egg /50 buds / 10 UT Bart. stems)
			0.0	Psylla nymphs / bud (0 nym. /50 buds/ 10 UT Bart. stems)
				Apple – McIntosh – Green Tip (on 3/17)
				Apple – Empire, Ginger Gold, Spur Red Delicious – Green Tip
				Pear – Bartlett / Bosc – Swollen Bud
			0.15”	Weekly Rainfall
			0.53”	Total Rainfall

<u>Date</u>	<u>DD Accumulations (previous day NEWA)</u>		<u>Field Observations / Trap Catches / Models</u>	
	43 F	50 F	# / trap / day (pheromone trap)	
4/4	285.5	128.4	0.0	Spotted Green Fruitworm (SGFW) (0/0)
			0.6	Redbanded Leafroller (RBLR) (1/8)
			5.1	Spotted Tentiform Leafminer (STLM) (23/18) Trap set 4/1
			3.2	Psylla eggs / bud (81 egg / 25 buds / 5 UT Bart. stems)
			0.0	Psylla nymphs / bud (0 nym. / 25 buds/ 5 UT Bart. stems)
				Apple – McIntosh – ½ Green
				Apple – Empire, Ginger Gold, Spur Red Delicious – ½ Green
				Pear – Bartlett / Bosc – Bud Burst
			0.29”	Weekly Rainfall
			0.82”	Total Rainfall

<u>Date</u>	<u>DD Accumulations (previous day NEWA)</u>		<u>Field Observations / Trap Catches / Models</u>	
	43 F	50 F	# / trap / day (pheromone trap)	
4/11	296.7	131.9	0.1	Spotted Green Fruitworm (SGFW) (0/2)
			1.8	Redbanded Leafroller (RBLR) (15/10)
			0.9	Spotted Tentiform Leafminer (STLM) (1/12)
			8.2	Psylla eggs / bud (206 egg / 25 buds / 5 UT Bart. stems)
			0.1	Psylla nymph / bud (3 nym. / 25 buds/ 5 UT Bart. stems) 1st obser.
				Apple – McIntosh – Tight Cluster
				Apple – Empire, Ginger Gold, Spur Red Delicious – Tight Cluster
				Pear – Bartlett / Bosc – Green Cluster
				Peach-Early – ½” Green
				Peach-Late – Swollen Bud
			0.36”	Weekly Rainfall
			1.18”	Total Rainfall

<u>Date</u>	<u>DD Accumulations (previous day NEWA)</u>		<u>Field Observations / Trap Catches / Models</u>	
	43 F	50 F	# / trap / day (pheromone trap)	
4/18	350.5	157.3	<0.1	Spotted Green Fruitworm (SGFW) (1/0)
			8.4	Redbanded Leafroller (RBLR) (52/65)
			19.5	Spotted Tentiform Leafminer (STLM) (160/113)
			11.9	Psylla eggs / bud (298 egg / 25 buds / 5 UT Bart. stems)
			0.3	Psylla nymph / bud (8 nym. / 25 buds/ 5 UT Bart. stems)
				Apple – McIntosh – Pink
				Apple – Empire, Ginger Gold, Spur Red Delicious – Pink
				Pear – Bartlett / Bosc – White Bud
				Peach-Early – 1/2” Green
				Peach-Late – 1/2” Green
			0.71”	Weekly Rainfall
			1.89”	Total Rainfall
4/22				First Blossom McIntosh
4/25	425.7	204.0	0.2	Spotted Green Fruitworm (SGFW) (2/1)
			21.6	Redbanded Leafroller (RBLR) (132/170)
			96.9	Spotted Tentiform Leafminer (STLM) (564/792)
			16.4	Oriental Fruit Moth (OFM) (97/133)
			13.4	Psylla eggs / bud (53.5 egg / 25 lvs / 5 UT Bart. stems *4 reps)
			1.1	Psylla nymph / bud (4.5nym. / 25 lvs/ 5 UT Bart. stems *4 reps)
				Apple – McIntosh – 80% Bloom
				Apple – Empire - 80% Bloom
				Apple –Ginger Gold - 75% Bloom
				Apple –Golden Delicious - 50% Bloom
				Apple –Spur Red Delicious - 90% Bloom
				Pear – Bartlett / Bosc – Full Bloom
				Peach-Early – Bloom
				Peach-Late – Bloom
			0.07”	Weekly Rainfall
			1.39”	Total Rainfall

<u>Date</u>	<u>DD Accumulations (previous day NEWA)</u>		<u>Field Observations / Trap Catches / Models</u>	
	43 F	50 F	# / trap / day (pheromone trap)	
5/02	516.9	247.0	<0.1	Spotted Green Fruitworm (SGFW) (1/0)
			4.0	Redbanded Leafroller (RBLR) (27/29)
			12.7	Spotted Tentiform Leafminer (STLM) (87/91)
			0.0	Dogwood Borer (DWB) (0/0)
			1.9	Oriental Fruit Moth (OFM) (11/15)
			0.0	San Jose Scale (SJS) (0/0)
			1.1	Lesser Apple Worm (7/6) First Catch-Trap set 4/26
			0.2	Psylla eggs / bud (5 egg / 25 Leaves / 5 UT Bart. stems)
			1.1	Psylla nymph / bud (28 nym. / 25 Leaves/ 5 UT Bart. stems)
				Apple – McIntosh – Bloom
				Apple – Empire, Ginger Gold, Spur Red Delicious – Bloom
				Pear – Bartlett / Bosc – Petal Fall
				Peach-Early – Petal Fall
				Peach-Late – Petal Fall
			1.54"	Weekly Rainfall
			2.98"	Total Rainfall

<u>Date</u>	<u>DD Accumulations (previous day NEWA)</u>		<u>Field Observations / Trap Catches / Models</u>	
	43 F	50 F	# / trap / day (pheromone trap)	
5/09	576.7	264.7	0.1	Spotted Green Fruitworm (SGFW) (1/1)
			2.6	Redbanded Leafroller (RBLR) (5/31)
			7.6	Spotted Tentiform Leafminer (STLM) (36/70)
			0.0	Dogwood Borer (DWB) (0/0)
			2.7	Oriental Fruit Moth (OFM) (12/26)
			0.0	San Jose Scale (SJS) (0/0)
			0.3	Lesser Apple Worm (LAW) (0/4)
			0.0	Brown Marmorated Stink Bug (BMSB) (0/0)
			0.84	Psylla eggs / leaf (21 egg / 25 Leaves / 5 UT Bart. stems)
			0.04	Psylla nymph / leaf (1 nym. / 25 Leaves/ 5 UT Bart. stems)
				Apple – McIntosh – 90% Petal Fal
				Apple – Empire, Ginger Gold, Spur Red Delicious –80% Petal Fall
				Pear – Bartlett / Bosc – Fruit Set
				Peach-Early – Petal Fall- Shucks on
				Peach-Late – Petal Fall- Shucks on
			2.24"	Weekly Rainfall
			5.22"	Total Rainfall

<u>Date</u>	<u>DD Accumulations (previous day NEWA)</u>		<u>Field Observations / Trap Catches / Models</u>	
	43 F	50 F	# / trap / day (pheromone trap)	
5/16	677.9	324.3	0.0	Spotted Green Fruitworm (SGFW) (0/0)
			2.7	Redbanded Leafroller (RBLR) (25/13)
			3.6	Spotted Tentiform Leafminer (STLM) (41/10)
			0.1	Dogwood Borer (DWB) (0/2)
			3.9	Oriental Fruit Moth (OFM) (45/10)
			75.4	San Jose Scale (SJS) (826/201) First Catch
			2.5	Lesser Apple Worm (LAW) (22/13)
			0.0	Brown Marmorated Stink Bug (BMSB) (0/0)
			5.2	Psylla eggs / leaf (131 egg / 25 Leaves / 5 UT Bart. stems)
			0.4	Psylla nymph / leaf (9 nym. / 25 Leaves/ 5 UT Bart. stems)
				Apple – McIntosh – Fruit Set
				Apple – Empire, Ginger Gold, Spur Red Delicious –Fruit Set
				Pear – Bartlett / Bosc – Fruit Set
				Peach-Early – Petal Fall- Shucks off
				Peach-Late – Petal Fall- Shucks on
			0.34"	Weekly Rainfall
			5.56"	Total Rainfall

<u>Date</u>	<u>DD Accumulations (previous day NEWA)</u>		<u>Field Observations / Trap Catches / Models</u>	
	43 F	50 F	# / trap / day (pheromone trap)	
5/23	787.9	389.5	0.0	Spotted Green Fruitworm (SGFW) (0/0)
			0.4	Redbanded Leafroller (RBLR) (3/3)
			2.5	Spotted Tentiform Leafminer (STLM) (35/0)
			0.0	Dogwood Borer (DWB) (0/0)
			0.6	Oriental Fruit Moth (OFM) (8/1)
			0.3	San Jose Scale (SJS) (3/1)
			0.3	Lesser Apple Worm (LAW) (1/3)
			0.0	Brown Marmorated Stink Bug (BMSB) (0/0)
			<0.1	Oblique Banded Leafroller (OBLR) (1/0) (Trap Set 5/18)
			5.0	Coddling Moth (CM) (18/52) (Trap Set 5/18)
			1.12	Psylla eggs / leaf (28 egg / 25 Leaves / 5 UT Bart. stems)
			2.64	Psylla nymph / leaf (66 nym. / 25 Leaves/ 5 UT Bart. stems)
			0.02	Plum Circulio- Ginger Gold (2 Stings /100 fruit)
			0.08	Plum Circulio- Red Delicious (8 Stings /100 fruit)
				Apple – Red Del – King: 14.5mm Lat: 12mm
				Ginger Gold - King: 14.5 mm Lat: 8.5mm
				Macintosh - King: 17mm Lat: 14.5mm
				Golden Delicious - King: 20mm Lat: 12mm
				Pear – Bartlett - King: 19.5mm Lat: 10.25mm
				Pear – Bosc - King: 17.25mm Lat: 9.25mm
				Peach-Early – Petal Fall- Shucks off
				Peach-Late – Petal Fall- Shucks off
			1.24"	Weekly Rainfall
			6.8"	Total Rainfall
