

# 2017 Hudson Valley Research Lab Scouting Report

NYSAES Entomology Dept., Highland, NY

<u>Date</u>	<u>Baskerville-Emin (BE)</u>		<u>Field Observations / Trap Catches / Models</u>	
	<u>DD Accumulations (previous day NEWA)</u>	<u>DD Accumulations (previous day NEWA)</u>		
	<b>43 F</b>	<b>50 F</b>	<b># / trap / day (pheromone trap)</b>	
3/27	140	56		Beginning degree day accumulations beginning 1 January, 2017
			0.0	Spotted Green Fruitworm (SGFW) (0/0)
			0.0	Redbanded Leafroller (RBLR) (0/0)
			0.0	Spotted Tentiform Leafminer (STLM) (0/0)
			0.0	Codling Moth (CM) (0/0)
			0.0	Psylla eggs / bud (0 egg / 25 buds / 5 UT Bart. stems)
			0.0	Psylla nymph / bud (0 nym. / 25 buds/ 5 UT Bart. stems)
				Apple – McIntosh – Dormant
				Apple – Empire, Ginger Gold, Spur Red Delicious – Dormant
				Pear – Bartlett / Bosc – Dormant
			0.52	Weekly Rainfall
			2.06	Total Rainfall (From 1 March, 2017)

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<u>Date</u>	<u>Baskerville-Emin (BE)</u>		<u>Field Observations / Trap Catches / Models</u>	
	<u>DD Accumulations (previous day NEWA)</u>	<u>DD Accumulations (previous day NEWA)</u>		
	<b>43 F</b>	<b>50 F</b>	<b># / trap / day (pheromone trap)</b>	
4/3	161	63	0.0	Spotted Green Fruitworm (SGFW) (0/0)
			0.0	Redbanded Leafroller (RBLR) (0/0)
			0.0	Spotted Tentiform Leafminer (STLM) (0/0)
			0.0	Codling Moth (CM) (0/0)
			0.0	Psylla eggs / bud (0 egg / 25 buds / 5 UT Bart. stems)
			0.0	Psylla nymph / bud (0 nym. / 25 buds/ 5 UT Bart. stems)
				Apple – McIntosh – Dormant
				Apple – Empire, Ginger Gold, Spur Red Delicious – Dormant
				Pear – Bartlett / Bosc – Dormant
			1.77	Weekly Rainfall
			2.22	Total Rainfall (From 1 March, 2017)

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<u>Date</u>	<u>DD Accumulations (previous day NEWA)</u>		<u>Field Observations / Trap Catches / Models</u>	
	<b>43 F</b>	<b>50 F</b>	<b># / trap / day (pheromone trap)</b>	
4/10	211	86	0.1	Spotted Green Fruitworm (SGFW) (0/2) <b>First Catch</b>
			1.4	Redbanded Leafroller (RBLR) (12/8) <b>First Catch 4/4</b>
			0.0	Spotted Tentiform Leafminer (STLM) (0/0)
			0.0	Codling Moth (CM) (0/0)
			0.0	Oriental Fruit Moth (OFM) (0/0)
			0.0	Obliquebanded Leafroller (OBLR) (0/0)
			0.58	Psylla eggs / bud (29 egg / 50 buds / 10 UT Bart. stems)
			0.0	Psylla nymph / bud (0 nym. / 50 buds/ 10 UT Bart. stems)
				Apple – McIntosh – Silver Tip
				Apple – Empire, Ginger Gold, Spur Red Delicious – Silver Tip
				Pear – Bartlett / Bosc – ½ bud burst
			1.76	Weekly Rainfall
			3.98	Total Rainfall (From 1 March, 2017)

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<u>Date</u>	<u>DD Accumulations (previous day NEWA)</u>		<u>Field Observations / Trap Catches / Models</u>	
	<b>43 F</b>	<b>50 F</b>	<b># / trap / day (pheromone trap)</b>	
4/17	332	165	0.0	Spotted Green Fruitworm (SGFW) (0/0)
			14.0	Redbanded Leafroller (RBLR) (89/107)
			0.0	Spotted Tentiform Leafminer (STLM) (0/0)
			0.0	Codling Moth (CM) (0/0)
			0.3	Oriental Fruit Moth (OFM) (3/1) <b>First Catch</b>
			0.0	Obliquebanded Leafroller (OBLR) (0/0)
			0.7	Lesser Apple Worm (LAW) (8/2) <b>First Catch (trap set 3/27)</b>
			1.12	Psylla eggs / bud (28 egg / 25 buds / 5 UT Bart. stems)
			0.08	Psylla nymph / bud (2 nym. / 25 buds/ 5 UT Bart. stems)
				Apple – McIntosh – Tight Cluster
				Apple – Empire, Ginger Gold, Spur Red Delicious – Tight Cluster
				Pear – Bartlett / Bosc – ½ White Bud
			0.17	Weekly Rainfall
			4.15	Total Rainfall (From 1 March, 2017)

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<u>Date</u>	<u>DD Accumulations (previous day NEWA)</u>		<u>Field Observations / Trap Catches / Models</u>	
	<b>43 F</b>	<b>50 F</b>	<b># / trap / day (pheromone trap)</b>	
4/24	401	195	0.0	Spotted Green Fruitworm (SGFW) (0/0)
			14.8	Redbanded Leafroller (RBLR) (148/59)
			10.8	Spotted Tentiform Leafminer (STLM) (114/37) <b>First Catch</b>
			0.0	Codling Moth (CM) (0/0)
			0.1	Oriental Fruit Moth (OFM) (0/1)
			0.0	Obliquebanded Leafroller (OBLR) (0/0)
			1.2	Lesser Apple Worm (LAW) (10/7)
			0.0	San Jose Scale (SJS) (0/0)
			1.71	Psylla eggs / bud (174 egg / 100 buds / 10 UT Bart. stems)
			0.03	Psylla nymph / bud (3 nym. / 100 buds/ 10 UT Bart. stems)
				Apple – McIntosh – Pink
				Apple – Empire, Ginger Gold, Spur Red Delicious – Pink
				Apple – Golden Delicious – 25% Bloom
				Apple – Pristine – Full bloom
				Pear – Bartlett / Bosc – Full Bloom
				Peaches, Cherries, Plums – Full Bloom
			0.74	Weekly Rainfall
			4.89	Total Rainfall (From 1 March, 2017)

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<u>Date</u>	<u>DD Accumulations (previous day NEWA)</u>		<u>Field Observations / Trap Catches / Models</u>	
	<b>43 F</b>	<b>50 F</b>	<b># / trap / day (pheromone trap)</b>	
5/1	530	276	0.0	Spotted Green Fruitworm (SGFW) (0/0)
			15.6	Redbanded Leafroller (RBLR) (92/127)
			22.1	Spotted Tentiform Leafminer (STLM) (140/169)
			0.0	Codling Moth (CM) (0/0)
			6.7	Oriental Fruit Moth (OFM) (39/55)
			0.0	Obliquebanded Leafroller (OBLR) (0/0)
			13.4	Lesser Apple Worm (LAW) (81/106)
			0.0	San Jose Scale (SJS) (0/0)
			0.0	Brown Marmorated Stink Bug (BMSB) (0/0)
			2.8	Psylla eggs / bud (70 egg / 25 leaves / 5 UT Bart. stems)
			0.1	Psylla nymph / bud (2 nym. / 25 leaves/ 5 UT Bart. stems)
				Apple – McIntosh – Full Bloom
				Apple – Empire, Ginger Gold, Spur Red Delicious – Full Bloom
				Apple – Golden Delicious – Full Bloom
				Apple – Pristine – Full bloom
				Pear – Bartlett / Bosc – 50% Petal Fall
				Peaches, Cherries, Plums – Petal Fall
			0.69	Weekly Rainfall
			5.58	Total Rainfall (From 1 March, 2017)

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<u>Date</u>	<u>DD Accumulations (previous day NEWA)</u>		<u>Field Observations / Trap Catches / Models</u>	
	<b>43 F</b>	<b>50 F</b>	<b># / trap / day (pheromone trap)</b>	
5/8	603	312	0.0	Spotted Green Fruitworm (SGFW) (0/0)
			7.7	Redbanded Leafroller (RBLR) (56/52)
			2.3	Spotted Tentiform Leafminer (STLM) (17/15)
			0.0	Codling Moth (CM) (0/0)
			1.4	Oriental Fruit Moth (OFM) (17/2)
			0.0	Obliquebanded Leafroller (OBLR) (0/0)
			9.2	Lesser Apple Worm (LAW) (87/42)
			0.0	San Jose Scale (SJS) (0/0)
			0.3	Brown Marmorated Stink Bug (BMSB) (2/0)
			0.48	Psylla eggs / bud (12 egg / 25 leaves / 5 UT Bart. stems)
			0.04	Psylla nymph / bud (1 nym. / 25 leaves/ 5 UT Bart. stems)
				Apple – McIntosh – Fruit Set- King @ 5mm, 95% PF
				Apple –Ginger Gold – Fruit Set- King @ 7mm, 100% PF
				Apple –Red Delicious – Fruit Set- King @ 4.9mm, 98% PF
				Apple – Golden Delicious – Fruit Set- King @ 6.25mm, 98% PF
				Apple – Honeycrisp – 4.5mm, 90% @ PF, Fruit set
				Pear – Bartlett –7.8mm, 100% Fruit set
				Pear - Bosc – Fruit Set – 9.5mm, Fruit set
				Peaches, Cherries, Plums – Fruit set, shucks off
			2.01	Weekly Rainfall
			7.59	Total Rainfall (From 1 March, 2017)

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<u>Date</u>	<u>DD Accumulations (previous day NEWA)</u>		<u>Field Observations / Trap Catches / Models</u>	
	<b>43 F</b>	<b>50 F</b>	<b># / trap / day (pheromone trap)</b>	
5/15	661	336	0.0	Spotted Green Fruitworm (SGFW) (0/0)
			1.9	Redbanded Leafroller (RBLR) (26/35)
			0.7	Spotted Tentiform Leafminer (STLM) (10/10)
			0.6	Codling Moth (CM) (5/3) <b>First Sustained Catch</b> (on 12 May)
			1.4	Oriental Fruit Moth (OFM) (18/1)
			0.0	Obliquebanded Leafroller (OBLR) (0/0)
			4.1	Lesser Apple Worm (LAW) (58/0)
			0.0	San Jose Scale (SJS) (0/0)
			0.0	Brown Marmorated Stink Bug (BMSB) (0/0)
			3.4	Psylla eggs / bud (85 egg / 25 leaves / 5 UT Bart. stems)
			2.6	Psylla nymph / bud (65 nym. / 25 leaves/ 5 UT Bart. stems)
			<0.01	Plum Curculio (0/1/1/0) (RD, GG, GD, MC) *Injury per 400 fruit
				Apple – McIntosh – Fruit Set- 7.8mm
				Apple –Ginger Gold – Fruit Set- 7.5mm
				Apple –Red Delicious – Fruit Set- 6mm
				Apple – Golden Delicious – Fruit Set- 8.2mm
				Apple – Honey Crisp – 5.0mm
				Pear – Bartlett –9.1mm
				Pear - Bosc – Fruit Set – 10.8mm
			1.54	Weekly Rainfall
			9.13	Total Rainfall (From 1 March, 2017)

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<u>Date</u>	<u>DD Accumulations (previous day NEWA) Field Observations / Trap Catches / Models</u>		
	<b>43 F</b>	<b>50 F</b>	<b># / trap / day (pheromone trap)</b>
5/22	829	456	0.0 Spotted Green Fruitworm (SGFW) (0/0)
			3.1 Redbanded Leafroller (RBLR) (26/18)
			0.4 Spotted Tentiform Leafminer (STLM) (5/0)
			7.1 Codling Moth (CM) (39/60) (FSC 12 May)
			3.1 Oriental Fruit Moth (OFM) (11/7)
			0.0 Obliquebanded Leafroller (OBLR) (0/0)
			0.8 Lesser Apple Worm (LAW) (7/4)
			4.4 San Jose Scale (SJS) (9/52) (FSC 19 May)
			0.0 Brown Marmorated Stink Bug (BMSB) (0/0)
		≥10%	Plum Curculio (8/10/11/12) (RD, GG, GD, MC) injury per 400 fruit Psylla eggs / bud (18 egg / 25 leaves / 5 UT Bart. stems) Psylla nymph / bud (8 nym. / 25 leaves/ 5 UT Bart. stems)
		148.0	PC model 308DD: Accumulated degree days (base 50°F) 90% Mc petal fall <b>8<sup>th</sup> June PC model: Predicted end of PC emergence</b>
		130.0	CM model 220DD: Accumulated degree days (base 50°F) from 90% Mc PF <b>31<sup>st</sup> May CM model: Predicted 1<sup>st</sup> CM larva emergence</b>
			Apple – McIntosh – Fruit Set- 14-15mm
			Apple –Ginger Gold – Fruit Set- 16-18mm
			Apple –Red Delicious – Fruit Set- 12-13mm
			Apple – Golden Delicious – Fruit Set- 12-14mm
			Apple – Crimson Crisp – 12-17mm
			Apple – Honey Crisp – 16-19mm
			Apple – Gala – 12-15mm
			Apple – Zestar – 20 mm
			Pear – Bartlett –15-17mm
			Pear - Bosc – Fruit Set – 16-17mm
		0.30	Weekly Rainfall
		10.96	Total Rainfall (From 1 March, 2017)

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<u>Date</u>	<u>DD Accumulations (previous day NEWA) Field Observations / Trap Catches / Models</u>		
	<b>43 F</b>	<b>50 F</b>	<b># / trap / day (pheromone trap)</b>
5/30	968	539	0.0 Spotted Green Fruitworm (SGFW) (0/0)
			2.1 Redbanded Leafroller (RBLR) (1/2)
			0.0 Spotted Tentiform Leafminer (STLM) (0/0)
			6.9 Codling Moth (CM) (29/68) (FSC 12 May)
			0.5 Oriental Fruit Moth (OFM) (5/2)
			0.1 Obliquebanded Leafroller (OBLR) (1/0) <b>First Catch</b>
			0.3 Lesser Apple Worm (LAW) (2/2)
			0.0 San Jose Scale (SJS) (0/0) (FSC 19 May)
			0.0 Brown Marmorated Stink Bug (BMSB) (0/0)
			0.0 Psylla eggs / bud (0 egg / 25 leaves / 5 UT Bart. stems)
			0.2 Psylla nymph / bud (5 nym. / 25 leaves / 5 UT Bart. stems)
		228.0	PC model 308DD: Accumulated degree days (base 50°F) 90% Mc petal fall
			<b>5<sup>th</sup> June PC model: Predicted end of PC emergence</b>
		210.0	CM model 220DD: Accumulated degree days (base 50°F) from 90% Mc PF
			<b>31<sup>st</sup> May CM model: Predicted 1<sup>st</sup> CM larva emergence</b>
		1.61	Weekly Rainfall
		11.04	Total Rainfall (From 1 March, 2017)

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<u>Date</u>	<u>DD Accumulations (previous day NEWA) Field Observations / Trap Catches / Models</u>		
	<b>43 F</b>	<b>50 F</b>	<b># / trap / day (pheromone trap)</b>
6/5	1078	608	0.0 Spotted Green Fruitworm (SGFW) (0/0)
			0.0 Redbanded Leafroller (RBLR) (0/0)
			0.1 Spotted Tentiform Leafminer (STLM) (0/2)
			0.4 Oriental Fruit Moth (OFM) (3/3)
			1.6 Lesser Apple Worm (LAW) (19/4)
			0.0 Dogwood Borer (DWB) (0/0)
			<b>0.1 Sparganothis (SPARG) (0/2) First Catch (trap set 5/19)</b>
			<b>0.6 Variegated Leafroller (VLR) (3/5) First Catch (trap set 5/15)</b>
			<b>0.5 Tufted Apple Budmoth (TABM) (4/3) First Catch (trap set 5/15)</b>
			0.0 Brown Marmorated Stink Bug (BMSB) (0/0)
			1.8 Codling Moth (CM) (10/16) First flight 12 <sup>th</sup> May (Predicted 19 <sup>th</sup> )
			<b>31<sup>st</sup> May CM model: 1<sup>st</sup> CM larva emergence</b>
			0.3 Obliquebanded Leafroller (OBLR) (9/0) First flight 30 <sup>th</sup> May
			<b>107 DD OBLR model: 1<sup>st</sup> hatch @ 350 DD base 43F</b>
			<b>15<sup>th</sup> June OBLR 1<sup>st</sup> larva hatch</b>
			0.1 San Jose Scale (SJS) (0/2) First flight 19 <sup>th</sup> May
			<b>273 DD 17<sup>th</sup> June SJS model for 1<sup>st</sup> gen. crawlers emergence</b>
			<b>17<sup>th</sup> June 1<sup>st</sup> gen. SJS crawlers emergence 400 DD base 51F</b>
			0.1 Psylla eggs / bud (2 egg / 25 leaves / 5 UT Bart. stems)
			0.5 Psylla nymph / bud (12 nym. / 25 leaves/ 5 UT Bart. stems)
			0.93 Weekly Rainfall
			11.97 Total Rainfall (From 1 March, 2017)

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<u>Date</u>	<u>DD Accumulations (previous day NEWA) Field Observations / Trap Catches / Models</u>		
	<b>43 F</b>	<b>50 F</b>	<b># / trap / day (pheromone trap)</b>
6/12	1244	725	0.0 Spotted Green Fruitworm (SGFW) (0/0)
			0.0 Redbanded Leafroller (RBLR) (0/0)
			5.8 Spotted Tentiform Leafminer (STLM) (64/17)
			0.5 Oriental Fruit Moth (OFM) (4/3)
			0.3 Lesser Apple Worm (LAW) (17/5)
			0.0 Dogwood Borer (DWB) (0/0)
			0.3 Sparganothis (SPARG) (1/3)
			0.9 Variegated Leafroller (VLR) (0/12)
			1.7 Tufted Apple Budmoth (TABM) (4/20)
			0.0 Brown Marmorated Stink Bug (BMSB) (0/0)
			3.9 Codling Moth (CM) (23/31)
			<b>31<sup>st</sup> May CM model: 1<sup>st</sup> CM larva emergence</b>
			1.9 Obliquebanded Leafroller (OBLR) (25/1)
			<b>107 DD OBLR model: 1<sup>st</sup> hatch @ 350 DD base 43F</b>
			<b>15<sup>th</sup> June OBLR 1<sup>st</sup> larva hatch</b>
			0.0 San Jose Scale (SJS) (0/0)
			<b>273 DD 17<sup>th</sup> June SJS model for 1<sup>st</sup> gen. crawlers emergence</b>
			<b>17<sup>th</sup> June 1<sup>st</sup> gen. SJS crawlers emergence 400 DD base 51F</b>
			1.7 Psylla eggs / bud (42 egg / 25 leaves / 5 UT Bart. stems)
			1.2 Psylla nymph / bud (29 nym. / 25 leaves/ 5 UT Bart. stems)
			1.34 Weekly Rainfall
			13.31 Total Rainfall (From 1 March, 2017)

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**Date      DD Accumulations (previous day NEWA) Field Observations / Trap Catches / Models**

	<b>43 F</b>	<b>50 F</b>	<b># / trap / day (pheromone trap)</b>	
6/19	1449	880	0.0	Spotted Green Fruitworm (SGFW) (0/0)
			0.3	Redbanded Leafroller (RBLR) (2/2)
			24.8	Spotted Tentiform Leafminer (STLM) (175/172)
			0.3	Oriental Fruit Moth (OFM) (2/2)
			0.4	Lesser Apple Worm (LAW) (2/3)
			0.1	Dogwood Borer (DWB) (2/0) <b>First Capture</b>
			0.0	Sparganothis (SPARG) (0/0)
			0.1	Variegated Leafroller (VLR) (2/0)
			1.9	Tufted Apple Budmoth (TABM) (0/26)
			0.0	Brown Marmorated Stinkbug (BMSB) (0/0) <b>Trap knocked over</b>
			5.1	Codling Moth (CM) (38/34)
				<b>Majority of eggs are likely to hatch, so control is critical at this time</b>
			2.9	Obliquebanded Leafroller (OBLR) (40/0)
				<b>First hatch of summer OBLR eggs.</b>
			0.0	San Jose Scale (SJS) (0/0)
			0.0	Apple Maggot (AM) (0/0/0/0)
			0.0	Spotted Wing Drosophila (Cherry/Raspberry/Honeysuckle) (0/0/0)
			1.2	Psylla eggs / bud (29 egg / 25 leaves / 5 UT Bart. stems)
			1.5	Psylla nymph / bud (38 nym. / 25 leaves/ 5 UT Bart. stems)
			0.18	Weekly Rainfall
			13.49	Total Rainfall (From 1 March, 2017)

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<u>Date</u>	<u>DD Accumulations (previous day NEWA) Field Observations / Trap Catches / Models</u>		
	<b>43 F</b>	<b>50 F</b>	<b># / trap / day (pheromone trap)</b>
6/26	1650	1032	0.0 Spotted Green Fruitworm (SGFW) (0/0)
			2.1 Redbanded Leafroller (RBLR) (20/9)
			24.0 Spotted Tentiform Leafminer (STLM) (165/171)
			0.3 Oriental Fruit Moth (OFM) (1/3)
			0.8 Lesser Apple Worm (LAW) (7/5)
			0.2 Dogwood Borer (DWB) (3/0)
			0.1 Sparganothis (SPARG) (0/2)
			0.3 Variegated Leafroller (VLR) (3/1)
			2.9 Tufted Apple Budmoth (TABM) (21/19)
			0.0 Brown Marmorated Stinkbug (BMSB) (0/0)
			4.2 Codling Moth (CM) (18/41)
			2.6 Obliquebanded Leafroller (OBLR) (35/2)
			0.0 San Jose Scale (SJS) (0/0)
			0.0 Apple Maggot (AM) (0/0/0/0)
			<0.1 Spotted Wing Drosophila (Cherry/Raspberry/Honeysuckle) (0/0/1) <b>First Catch</b>
			4.9 Psylla eggs / leaf (124 egg / 25 leaves / 5 UT Bart. stems)
			8.0 Psylla nymph / leaf (200 nym. / 25 leaves/ 5 UT Bart. stems)
			1.56 Weekly Rainfall
			15.05 Total Rainfall (From 1 March, 2017)

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**Date**      **DD Accumulations (previous day NEWA) Field Observations / Trap Catches / Models**

	<b>43 F</b>	<b>50 F</b>	<b># / trap / day (pheromone trap)</b>	
7/3	1857	1190	0.0	Spotted Green Fruitworm (SGFW) (0/0)
			2.3	Redbanded Leafroller (RBLR) (18/14)
			25.3	Spotted Tentiform Leafminer (STLM) (144/210)
			0.2	Oriental Fruit Moth (OFM) (3/0)
			2.9	Lesser Apple Worm (LAW) (22/18)
			0.6	Dogwood Borer (DWB) (8/0)
			0.0	Sparganothis (SPARG) (0/0)
			0.3	Variegated Leafroller (VLR) (2/2)
			1.0	Tufted Apple Budmoth (TABM) (4/10)
			0.0	Brown Marmorated Stinkbug (BMSB) (0/0)
			0.9	Codling Moth (CM) (3/9)
			1.4	Obliquebanded Leafroller (OBLR) (17/2)
			0.0	San Jose Scale (SJS) (0/0)
			0.0	Apple Maggot (AM) (0/0/0/0)
			<0.1	Spotted Wing Drosophila (Cherry/Raspberry/Honeysuckle) (0/0/1)
			0.0	Psylla eggs / leaf (0 egg / 25 leaves / 5 UT Bart. Stems)
			0.1	Psylla nymph / leaf (2 nym. / 25 leaves/ 5 UT Bart. stems)
			1.07	Weekly Rainfall
			16.12	Total Rainfall (From 1 March, 2017)

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**Date      DD Accumulations (previous day NEWA) Field Observations / Trap Catches / Models**

	<b>43 F</b>	<b>50 F</b>	<b># / trap / day (pheromone trap)</b>	
7/10	2056	1340	0.0	Spotted Green Fruitworm (SGFW) (0/0)
			3.1	Redbanded Leafroller (RBLR) (19/25)
			38.8	Spotted Tentiform Leafminer (STLM) (131/412)
			0.6	Oriental Fruit Moth (OFM) (6/3)
			3.0	Lesser Apple Worm (LAW) (20/22)
			0.5	Dogwood Borer (DWB) (7/0)
			0.2	Sparganothis (SPARG) (1/2)
			0.0	Variegated Leafroller (VLR) (0/0)
			0.2	Tufted Apple Budmoth (TABM) (1/2)
			0.0	Brown Marmorated Stinkbug (BMSB) (0/0)
			0.1	Codling Moth (CM) (2/2)
			2.4	Obliquebanded Leafroller (OBLR) (18/15)
			<0.1	San Jose Scale (SJS) (1/0)
			0.0	Apple Maggot (AM) (0/0/0/0)
			0.3	Spotted Wing Drosophila (Cherry/Raspberry/Honeysuckle) (0/2/4)
			1.3	Psylla eggs / leaf (32 egg / 25 leaves / 5 UT Bart. Stems)
			3.1	Psylla nymph / leaf (43 nym. / 25 leaves/ 5 UT Bart. stems)
			0.47	Weekly Rainfall
			16.59	Total Rainfall (From 1 March, 2017)

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**Date      DD Accumulations (previous day NEWA) Field Observations / Trap Catches / Models**

	<b>43 F</b>	<b>50 F</b>	<b># / trap / day (pheromone trap)</b>	
7/12	2056	1340	1.0	Apple Maggot (AM) (0/1/1/2) <b>First Catch</b>

**Date      DD Accumulations (previous day NEWA) Field Observations / Trap Catches / Models**

	<b>43 F</b>	<b>50 F</b>	<b># / trap / day (pheromone trap)</b>	
7/17	2268	1504	0.0	Spotted Green Fruitworm (SGFW) (0/0)
			2.2	Redbanded Leafroller (RBLR) (16/15)
			27.6	Spotted Tentiform Leafminer (STLM) (25/362)
			0.5	Oriental Fruit Moth (OFM) (7/0)
			0.0	Lesser Apple Worm (LAW) (0/0)
			0.1	Dogwood Borer (DWB) (1/0)
			0.0	Sparganothis (SPARG) (0/0)
			0.0	Variegated Leafroller (VLR) (0/0)
			0.0	Tufted Apple Budmoth (TABM) (0/0)
			0.0	Brown Marmorated Stinkbug (BMSB) (0/0)
			1.4	Codling Moth (CM) (5/15)
			0.6	Obliquebanded Leafroller (OBLR) (1/8)
			7.6	San Jose Scale (SJS) (25/81)
			0.6	Apple Maggot (AM) (1/2/1/13)
			0.1	Spotted Wing Drosophila (Cherry/Raspberry/Honeysuckle) (0/0/3)
			0.2	Psylla eggs / leaf (4 egg / 25 leaves / 5 UT Bart. Stems)
			0.4	Psylla nymph / leaf (9 nym. / 25 leaves/ 5 UT Bart. stems)
			2.15	Weekly Rainfall
			18.74	Total Rainfall (From 1 March, 2017)

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<u>Date</u>	<u>DD Accumulations (previous day NEWA) Field Observations / Trap Catches / Models</u>		
	<b>43 F</b>	<b>50 F</b>	<b># / trap / day (pheromone trap)</b>
7/24	2498	1685	0.0 Spotted Green Fruitworm (SGFW) (0/0)
			1.6 Redbanded Leafroller (RBLR) (8/15)
			25.8 Spotted Tentiform Leafminer (STLM) (175/186)
			0.9 Oriental Fruit Moth (OFM) (5/8)
			2.1 Lesser Apple Worm (LAW) (17/12)
			3.5 Dogwood Borer (DWB) (45/4)
			0.1 Sparganothis (SPARG) (2/0)
			0.2 Variegated Leafroller (VLR) (3/0)
			0.2 Tufted Apple Budmoth (TABM) (1/2)
			0.0 Brown Marmorated Stinkbug (BMSB) (0/0)
			2.4 Codling Moth (CM) (21/12)
			0.2 Obliquebanded Leafroller (OBLR) (2/1)
			228.1 San Jose Scale (SJS) (1600/1594)
			0.5 Apple Maggot (AM) (4/5/2/2)
			1.4 Spotted Wing Drosophila (Cherry/Raspberry/Honeysuckle) (18/2/10)
			0.6 Psylla eggs / leaf (15 egg / 25 leaves / 5 UT Bart. Stems)
			0.3 Psylla nymph / leaf (8 nym. / 25 leaves/ 5 UT Bart. stems)
			0.18 Weekly Rainfall
			18.93 Total Rainfall (From 1 March, 2017)

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<b>Date</b>	<b>DD Accumulations (previous day NEWA) Field Observations / Trap Catches / Models</b>		
	<b>43 F</b>	<b>50 F</b>	<b># / trap / day (pheromone trap)</b>
7/31	2675	1812	0.0 Spotted Green Fruitworm (SGFW) (0/0)
			2.1 Redbanded Leafroller (RBLR) (18/11)
			26.9 Spotted Tentiform Leafminer (STLM) (159/217)
			0.9 Oriental Fruit Moth (OFM) (1/12)
			1.8 Lesser Apple Worm (LAW) (12/13)
			2.1 Dogwood Borer (DWB) (29/3)
			0.1 Sparganothis (SPARG) (0/2)
			0.0 Variegated Leafroller (VLR) (0/0)
			1.3 Tufted Apple Budmoth (TABM) (3/2)
			0.0 Brown Marmorated Stinkbug (BMSB) (0/0)
			6.1 Codling Moth (CM) (35/50)
			0.9 Obliquebanded Leafroller (OBLR) (9/3)
			85.4 San Jose Scale (SJS) (345/851)
			0.2 Apple Maggot (AM) (2/0/1/3)
			0.9 Spotted Wing Drosophila (Cherry/Raspberry/Honeysuckle) (2/0/18)
			0.8 Psylla eggs / leaf (20 egg / 25 leaves / 5 UT Bart. Stems)
			0.6 Psylla nymph / leaf (16 nym. / 25 leaves/ 5 UT Bart. stems)
			1.28 Weekly Rainfall
			20.21 Total Rainfall (From 1 March, 2017)

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**Date      DD Accumulations (previous day NEWA) Field Observations / Trap Catches / Models**

	<b>43 F</b>	<b>50 F</b>	<b># / trap / day (pheromone trap)</b>	
8/07	2873	1961	0.0	Spotted Green Fruitworm (SGFW) (0/0)
			1.4	Redbanded Leafroller (RBLR) (8/12)
			28.4	Spotted Tentiform Leafminer (STLM) (178/219)
			0.4	Oriental Fruit Moth (OFM) (0/5)
			1.9	Lesser Apple Worm (LAW) (11/15)
			4.2	Dogwood Borer (DWB) (54/5)
			0.1	Sparganothis (SPARG) (2/0)
			0.3	Variegated Leafroller (VLR) (4/0)
			0.0	Tufted Apple Budmoth (TABM) (0/0)
			0.0	Brown Marmorated Stinkbug (BMSB) (0/0)
			2.4	Codling Moth (CM) (15/18)
			0.5	Obliquebanded Leafroller (OBLR) (3/4)
			32.4	San Jose Scale (SJS) (197/257)
			0.2	Apple Maggot (AM) (1/0/2/3)
			0.5	Spotted Wing Drosophila (Cherry/Raspberry/Honeysuckle) (1/0/9)
			0.7	Psylla eggs / leaf (17 egg / 25 leaves / 5 UT Bart. Stems)
			0.3	Psylla nymph / leaf (8 nym. / 25 leaves/ 5 UT Bart. stems)
			1.05	Weekly Rainfall
			21.26	Total Rainfall (From 1 March, 2017)

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<u>Date</u>	<u>DD Accumulations (previous day NEWA) Field Observations / Trap Catches / Models</u>		
	<b>43 F</b>	<b>50 F</b>	<b># / trap / day (pheromone trap)</b>
8/14	3068	2108	0.0 Spotted Green Fruitworm (SGFW) (0/0)
			1.6 Redbanded Leafroller (RBLR) (15/8)
			29.7 Spotted Tentiform Leafminer (STLM) (86/330)
			0.2 Oriental Fruit Moth (OFM) (1/2)
			0.7 Lesser Apple Worm (LAW) (3/7)
			2.2 Dogwood Borer (DWB) (27/4)
			0.0 Sparganothis (SPARG) (0/0)
			0.4 Variegated Leafroller (VLR) (5/1)
			0.0 Tufted Apple Budmoth (TABM) (0/0)
			0.7 Brown Marmorated Stinkbug (BMSB) (Male/Female/Nymph) (2/2/1)
			0.5 Codling Moth (CM) (4/3)
			0.7 Obliquebanded Leafroller (OBLR) (6/4)
			126.5 San Jose Scale (SJS) (399/1372)
			0.3 Apple Maggot (AM) (2/2/1/4)
			0.4 Spotted Wing Drosophila (Cherry/Raspberry/Honeysuckle) (1/0/7)
			0.4 Psylla eggs / leaf (9 egg / 25 leaves / 5 UT Bart. Stems)
			0.1 Psylla nymph / leaf (2 nym. / 25 leaves/ 5 UT Bart. stems)
			1.9 Weekly Rainfall
			23.16 Total Rainfall (From 1 March, 2017)

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<u>Date</u>	<u>DD Accumulations (previous day NEWA) Field Observations / Trap Catches / Models</u>		
	<b>43 F</b>	<b>50 F</b>	<b># / trap / day (pheromone trap)</b>
8/21	3274	2265	0.0 Spotted Green Fruitworm (SGFW) (0/0)
			5.2 Redbanded Leafroller (RBLR) (26/22)
			46.4 Spotted Tentiform Leafminer (STLM) (304/345)
			1.7 Oriental Fruit Moth (OFM) (2/22)
			0.6 Lesser Apple Worm (LAW) (8/1)
			1.7 Dogwood Borer (DWB) (24/0)
			0.0 Sparganothis (SPARG) (0/0)
			0.3 Variegated Leafroller (VLR) (3/1)
			0.0 Tufted Apple Budmoth (TABM) (0/0)
			3.3 Brown Marmorated Stinkbug (BMSB) (Male/Female/Nymph) (7/5/11)
			1.3 Codling Moth (CM) (5/13)
			0.3 Obliquebanded Leafroller (OBLR) (1/3)
			45.4 San Jose Scale (SJS) (136/499)
			0.2 Apple Maggot (AM) (1/0/1/3)
			1.4 Spotted Wing Drosophila (Cherry/Raspberry/Honeysuckle) (14/0/16)
			0.4 Psylla eggs / leaf (10 egg / 25 leaves / 5 UT Bart. Stems)
			0.2 Psylla nymph / leaf (6 nym. / 25 leaves/ 5 UT Bart. stems)
			0.28 Weekly Rainfall
			23.44 Total Rainfall (From 1 March, 2017)

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<b>Date</b>	<b>DD Accumulations (previous day NEWA) Field Observations / Trap Catches / Models</b>		
	<b>43 F</b>	<b>50 F</b>	<b># / trap / day (pheromone trap)</b>
8/28	3443	2384	0.0 Spotted Green Fruitworm (SGFW) (0/0)
			4.6 Redbanded Leafroller (RBLR) (39/25)
			17.4 Spotted Tentiform Leafminer (STLM) (143/101)
			2.2 Oriental Fruit Moth (OFM) (6/25)
			0.7 Lesser Apple Worm (LAW) (6/4)
			1.3 Dogwood Borer (DWB) (17/1)
			0.0 Sparganothis (SPARG) (0/0)
			0.5 Variegated Leafroller (VLR) (1/6)
			0.0 Tufted Apple Budmoth (TABM) (0/0)
			3.1 Brown Marmorated Stinkbug (BMSB) (Male/Female/Nymph) (8/9/5)
			1.4 Codling Moth (CM) (1/18)
			0.4 Obliquebanded Leafroller (OBLR) (0/6)
			12.9 San Jose Scale (SJS) (38/143)
			0.1 Apple Maggot (AM) (1/0/0/1)
			1.7 Spotted Wing Drosophila (Cherry/Raspberry/Honeysuckle) (3/1/32)
			0.1 Psylla eggs / leaf (2 egg / 25 leaves / 5 UT Bart. Stems)
			0.2 Psylla nymph / leaf (5 nym. / 25 leaves/ 5 UT Bart. stems)
			1.33 Weekly Rainfall
			25.34 Total Rainfall (From 1 March, 2017)

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<u>Date</u>	<u>DD Accumulations (previous day NEWA) Field Observations / Trap Catches / Models</u>		
	<b>43 F</b>	<b>50 F</b>	<b># / trap / day (pheromone trap)</b>
9/4	3571	2465	0.0 Spotted Green Fruitworm (SGFW) (0/0)
			6.1 Redbanded Leafroller (RBLR) (31/55)
			11.0 Spotted Tentiform Leafminer (STLM) (91/63)
			0.8 Oriental Fruit Moth (OFM) (2/9)
			0.9 Lesser Apple Worm (LAW) (8/5)
			0.0 Dogwood Borer (DWB) (0/0)
			0.0 Sparganothis (SPARG) (0/0)
			0.4 Variegated Leafroller (VLR) (2/4)
			0.4 Tufted Apple Budmoth (TABM) (0/6)
			3.4 Brown Marmorated Stinkbug (BMSB) (Male/Female/Nymph) (10/12/2)
			0.5 Codling Moth (CM) (1/6)
			0.4 Obliquebanded Leafroller (OBLR) (1/4)
			1.9 San Jose Scale (SJS) (4/23)
			0.0 Apple Maggot (AM) (0/1/0/0)
			3.8 Spotted Wing Drosophila (Cherry/Raspberry/Honeysuckle) (13/22/45)
			0.2 Psylla eggs / leaf (4 egg / 25 leaves / 5 UT Bart. Stems)
			0.0 Psylla nymph / leaf (1 nym. / 25 leaves/ 5 UT Bart. stems)
			1.33 Weekly Rainfall
			25.34 Total Rainfall (From 1 March, 2017)

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<b>Date</b>	<b>DD Accumulations (previous day NEWA) Field Observations / Trap Catches / Models</b>		
	<b>43 F</b>	<b>50 F</b>	<b># / trap / day (pheromone trap)</b>
9/11	3706	2552	0.0 Spotted Green Fruitworm (SGFW) (0/0)
			7.5 Redbanded Leafroller (RBLR) (51/54)
			10.9 Spotted Tentiform Leafminer (STLM) (95/57)
			0.9 Oriental Fruit Moth (OFM) (2/11)
			0.5 Lesser Apple Worm (LAW) (2/5)
			0.1 Dogwood Borer (DWB) (1/0)
			0.0 Sparganothis (SPARG) (0/0)
			0.3 Variegated Leafroller (VLR) (2/2)
			0.3 Tufted Apple Budmoth (TABM) (1/3)
			3.7 Brown Marmorated Stinkbug (BMSB) (Male/Female/Nymph) (18/8/0)
			0.1 Codling Moth (CM) (1/0)
			0.0 Obliquebanded Leafroller (OBLR) (0/0)
			1.1 San Jose Scale (SJS) (7/9)
			0.1 Apple Maggot (AM) (2/0/0/1)
			2.5 Spotted Wing Drosophila (Cherry/Raspberry/Honeysuckle) (10/22/20)
			0.3 Psylla eggs / leaf (7 egg / 25 leaves / 5 UT Bart. Stems)
			0.0 Psylla nymph / leaf (1 nym. / 25 leaves/ 5 UT Bart. stems)
			1.16 Weekly Rainfall
			26.50 Total Rainfall (From 1 March, 2017)

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<u>Date</u>	<u>DD Accumulations (previous day NEWA) Field Observations / Trap Catches / Models</u>		
	<b>43 F</b>	<b>50 F</b>	<b># / trap / day (pheromone trap)</b>
9/18	3897	2694	0.0 Spotted Green Fruitworm (SGFW) (0/0)
			3.2 Redbanded Leafroller (RBLR) (24/21)
			15.5 Spotted Tentiform Leafminer (STLM) (131/86)
			1.3 Oriental Fruit Moth (OFM) (8/10)
			0.2 Lesser Apple Worm (LAW) (0/3)
			0.0 Dogwood Borer (DWB) (0/0)
			0.1 Sparganothis (SPARG) (0/1)
			0.1 Variegated Leafroller (VLR) (1/1)
			0.0 Tufted Apple Budmoth (TABM) (0/0)
			18.9 Brown Marmorated Stinkbug (BMSB) (Adults/Nymphs) (128/4)
			0.1 Codling Moth (CM) (0/1)
			0.0 Obliquebanded Leafroller (OBLR) (0/0)
			32.3 San Jose Scale (SJS) (179/273)
			0.0 Apple Maggot (AM) (1/0/0/0)
			3.8 Spotted Wing Drosophila (Cherry/Raspberry/Honeysuckle) (39/4/36)
			0.4 Psylla eggs / leaf (9 egg / 25 leaves / 5 UT Bart. Stems)
			0.1 Psylla nymph / leaf (2 nym. / 25 leaves/ 5 UT Bart. stems)
			0.21 Weekly Rainfall
			26.71 Total Rainfall (From 1 March, 2017)

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<u>Date</u>	<u>DD Accumulations (previous day NEWA) Field Observations / Trap Catches / Models</u>		
	<b>43 F</b>	<b>50 F</b>	<b># / trap / day (pheromone trap)</b>
9/25	4104	2852	0.0 Spotted Green Fruitworm (SGFW) (0/0)
			2.6 Redbanded Leafroller (RBLR) (21/15)
			15.5 Spotted Tentiform Leafminer (STLM) (124/93)
			1.1 Oriental Fruit Moth (OFM) (10/6)
			0.1 Lesser Apple Worm (LAW) (0/1)
			0.0 Dogwood Borer (DWB) (0/0)
			0.0 Sparganothis (SPARG) (0/0)
			0.0 Variegated Leafroller (VLR) (0/0)
			0.1 Tufted Apple Budmoth (TABM) (0/2)
			7.7 Brown Marmorated Stinkbug (BMSB) (Adults/Nymphs) (54/0)
			0.0 Codling Moth (CM) (0/0)
			0.1 Obliquebanded Leafroller (OBLR) (0/1)
			21.2 San Jose Scale (SJS) (129/168)
			0.3 Apple Maggot (AM) (2/3/0/2)
			4.9 Spotted Wing Drosophila (Cherry/Raspberry/Honeysuckle) (47/6/49)
			0.0 Psylla eggs / leaf (0 egg / 25 leaves / 5 UT Bart. Stems)
			0.5 Psylla nymph / leaf (12 nym. / 25 leaves/ 5 UT Bart. stems)
			0.0 Weekly Rainfall
			26.71 Total Rainfall (From 1 March, 2017)

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<b>Date</b>	<b>DD Accumulations (previous day NEWA) Field Observations / Trap Catches / Models</b>		
	<b>43 F</b>	<b>50 F</b>	<b># / trap / day (pheromone trap)</b>
10/2	4241	2944	0.1 Codling Moth (CM) (0/2)
			83.2 San Jose Scale (SJS) (452/713)
			0.35 Weekly Rainfall
			27.06 Total Rainfall (From 1 March, 2017)

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<b>Date</b>	<b>DD Accumulations (previous day NEWA) Field Observations / Trap Catches / Models</b>		
	<b>43 F</b>	<b>50 F</b>	<b># / trap / day (pheromone trap)</b>
10/9	4408	3064	0.0 Codling Moth (CM) (0/0)
			11.1 San Jose Scale (SJS) (59/96)
			0.38 Weekly Rainfall
			27.44 Total Rainfall (From 1 March, 2017)

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<b>Date</b>	<b>DD Accumulations (previous day NEWA) Field Observations / Trap Catches / Models</b>		
	<b>43 F</b>	<b>50 F</b>	<b># / trap / day (pheromone trap)</b>
10/16	4505	3123	0.0 Codling Moth (CM) (0/0)
			15.7 San Jose Scale (SJS) (44/132)
			0.10 Weekly Rainfall
			27.54 Total Rainfall (From 1 March, 2017)

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