

2015 Hudson Valley 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>	<u>DD Accumulations (previous day NEWA)</u>		
	43 F	50 F		
3/1	0.0	0.0		Beginning degree day accumulations beginning 1 Jan. 2013
3/2				Apple – McIntosh – Dormant
3/9	2.2	0.0		Apple – McIntosh – Dormant
3/16	11.3	2.7		Apple – McIntosh – Dormant
3/23	12.8	2.7		Apple – McIntosh – Dormant
3/30	14.2	2.7	0.0	Spotted Green Fruitworm (SGFW) trap set (3/31/14)
			0.0	Psylla eggs / bud (0 egg /100 buds / 5 UT Bart. stems)
			0.0	Psylla nymphs / bud (0 nym. /100 buds/ 5 UT Bart. stems)
				Apple – McIntosh – Dormant
				Apple – Empire, Ginger Gold, Spur Red Delicious – Dormant
				Pear – Bartlett / Bosc – Dormant
			0.65”	Weekly Rainfall
			2.11”	Total Rainfall
4/6	45.8	15.8	0.2	Spotted Green Fruitworm (SGFW) (1E / 2W) *First obser.
			< 0.1	Psylla eggs / bud (5 egg /205 buds / 5 UT Bart. stems) *First obser.
			0.0	Psylla nymphs / bud (0 nym. /100 buds/ 5 UT Bart. stems)
				Apple – McIntosh – Dormant
				Apple – Empire, Ginger Gold, Spur Red Delicious – Dormant
				Pear – Bartlett / Bosc – Dormant
			0.92”	Weekly Rainfall
			0.92”	Monthly Rainfall
			3.03”	Total Rainfall

<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>	<u>DD Accumulations (previous day NEWA)</u>		
4/13	43 F 75.4	50 F 27.0	8.3	Psylla eggs / cluster (12 egg / 100 buds / 10 UT Bart. stems)
			0.0	Psylla nymphs /cluster (0 nym. /100 buds/ 10 UT Bart. stems)
			1.0	Spotted Green Fruitworm (SGFW) (6/8)
				Apple – McIntosh – Dormant
				Apple – Empire, Spur Red Delicious – Dormant
				Apple-GingerGold- Green Tissue
				Pear – Bartlett / Bosc – Dormant
			1.24”	Weekly Rainfall
			4.27”	Total Rainfall

<u>Date</u>	<u>Baskerville-Emin (BE) from Mar. 1</u>		<u># / trap / day (pheromone trap)</u>	<u>Field Observations / Trap Catches / Models</u>
	<u>DD Accumulations (previous day NEWA)</u>	<u>DD Accumulations (previous day NEWA)</u>		
4/20	43 F 174.7	50 F 84.2	2.3	Psylla eggs / cluster (231 egg / 100 buds / 10 UT Bart. stems)
			0.0	Psylla nymphs /cluster (0 nym. /100 buds/ 10 UT Bart. stems)
			0.4	Spotted Green Fruitworm (SGFW) (3/2)
			2.5	Red Banded Leaf Roller(RBLR) (25/10)(Trap Set 4/13, 1 st Capture)
				Apple – McIntosh – ½” Green
				Apple – Empire, Spur Red Delicious – ½” Green
				Apple-GingerGold- ½” Green
				Pear – Bartlett / Bosc – ½” Early bud burst
				Early peach – swollen bud
				Apricot – First white bud
			0.23”	Weekly Rainfall
			2.39”	Monthly Rainfall
			4.5”	Total Rainfall from March 1 st

<u>Date</u>	<u>Baskerville-Emin (BE)</u>		<u>Field Observations / Trap Catches / Models</u>	
	<u>DD Accumulations (previous day NEWA)</u>			
	43 F	50 F	# / trap / day (pheromone trap)	
4/27	216.7	101.9	2.3	Psylla eggs / cluster (1042 egg / 100 buds / 10 UT Bart. stems)
			0.0	Psylla nymphs /cluster (0 nym. /100 buds/ 10 UT Bart. stems)
			0.9	Spotted Green Fruitworm (SGFW) (8/5)
			1.4	Red Banded Leaf Roller(RBLR) (7/12)
			0.0	Lesser Apple Worm (LAW) (0/0) (Trap set 4/20)
			0.0	Oriental Fruit Moth (0/0) (Trap set 4/20)
				Apple – McIntosh – Tight Cluster
				Apple – Empire, Spur Red Delicious – Tight Cluster
				Apple-Ginger Gold- Tight Cluster
				Pear – Bartlett / Bosc – ½” Early bud burst
				Early peach – swollen bud
				Apricot – Full Bloom
			2.01”	Weekly Rainfall
				Monthly Rainfall
			6.51”	Total Rainfall from March 1st

<u>Date</u>	<u>Baskerville-Emin (BE)</u>		<u>Field Observations / Trap Catches / Models</u>	
	<u>DD Accumulations (previous day NEWA)</u>			
	43 F	50 F	# / trap / day (pheromone trap)	
5/4	319.7	160.4	6.2	Psylla eggs / leaf (156 egg/ 25 leaves / 10 UT Bart. stems)
			0.2	Psylla nymphs /leaf (5 nym. /25 leaves / 10 UT Bart. stems)
			0.6	Spotted Green Fruitworm (SGFW) (6/3)
			18.5	Red Banded Leaf Roller(RBLR) (162/97)
			0.4	Lesser Apple Worm (LAW) (1/5) (First Capture)
			0.1	Oriental Fruit Moth (0/1) (First Capture)
			0.1	Brown Marmorated Stink Bug (BMSB) (0/0)
			0.1	Brown Marmorated Stink Bug (BMSB) (2 / 0) Milton
				Apple – McIntosh – Pink
				Apple – Empire, Spur Red Delicious – Pink
				Apple-Ginger Gold- Early bloom
				Pear – Bartlett / Bosc – Bloom / White bud
				Early peach – Full Bloom
				Apricot – Petal fall
			0.00”	Weekly Rainfall
			0.00”	Monthly Rainfall
			6.51”	Total Rainfall from March 1st

<u>Date</u>	Baskerville-Emin (BE) from March 1		# / trap / day (pheromone trap)	Field Observations / Trap Catches / Models
	DD Accumulations (previous day NEWA)	50 F		
5/11	500.4	292.0	0.1	Psylla eggs / leaf (2 egg/ 20 leaves / 10 UT Bart. stems)
			0.5	Psylla nymphs /leaf (9 nym. /20 leaves / 10 UT Bart. stems)
			< 0.1	Spotted Green Fruitworm (SGFW) (0/1)
			18.9	Red Banded Leaf Roller(RBLR) (115/149)
			0.0	Lesser Apple Worm (LAW) (0/0)
			0.4	Codling Moth (CM) (4 / 1) (First Capture)
			0.0	Dogwood Borer (DWB (0/0)
			2.6	Oriental Fruit Moth (OFM) (26/11)
			4.7	San Jose Scale (SJS) (53/13) (First Capture)
			32.4	Spotted Tentiform Leafminer (STLM) (242 / 211)
			0.0	Brown Marmorated Stink Bug (BMSB) (0/0) HVRL
			0.1	Brown Marmorated Stink Bug (BMSB) (2 / 0) Milton
			< 1%	1 st PC sting in sweet cherry, Asian & European pear. Green Stink Bug Observ. (GSB) in sweet cherry Leaf curl midge in European pear. Apple – McIntosh – 50% PF Apple – Empire, Spur Red Delicious –25% PF Apple – Golden Delicious – Full Bloom Apple-Ginger Gold – 80-100% Petal Fall Pear – Bartlett / Bosc – Fruit Set > 5mm Early peach – Fruit Set shucks on < 5mm Apricot – Fruit Set >10mm
			0.01”	Weekly Rainfall
			0.01”	Monthly Rainfall
			6.52”	Total Rainfall from March 1st

Baskerville-Emin (BE) from March 1

<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)	
5/18	653.9	400.3	0.9	Psylla eggs / leaf (22 egg/ 25 leaves / 10 UT Bart. stems)
			3.4	Psylla nymphs /leaf (84 nym. /25 leaves / 10 UT Bart. stems)
			0.0	Spotted Green Fruitworm (SGFW) (0/0)
			5.1	Red Banded Leaf Roller(RBLR) (44 / 27)
			1.1	Lesser Apple Worm (LAW) (8/8)
			4.7	Codling Moth (CM) (49 / 17)
			0.7	Dogwood Borer (DWB (0 / 10) First Capture
			1.4	Oriental Fruit Moth (OFM) (17 / 3)
			19.9	San Jose Scale (SJS) (225 / 54)
			7.7	Spotted Tentiform Leafminer (STLM) (59 / 49)
			0.0	Brown Marmorated Stink Bug (BMSB) (0/0) HVRL
				Apple – McIntosh – Fruit Set 7mm
				Apple – Empire, Spur Red Delicious – Fruit Set 7mm
				Apple – Golden Delicious – Fruit Set 7mm
				Apple-Ginger Gold – Fruit Set 5mm
				Pear – Bartlett / Bosc – Fruit Set 15mm
				Early peach – Fruit Set shucks off 10mm
				Apricot – Fruit Set 25mm
			0.57”	Weekly Rainfall
			0.58”	Monthly Rainfall
			7.09”	Total Rainfall from March 1st

Baskerville-Emin (BE) from March 1

<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)	
5/26	797.0	492.9	3.3	Psylla eggs / leaf (82 egg/ 25 leaves / 10 UT Bart. stems)
			< 0.1	Psylla nymphs /leaf (1 nym. /25 leaves / 10 UT Bart. stems)
			0.0	Spotted Green Fruitworm (SGFW) (0/0)
			0.6	Red Banded Leaf Roller(RBLR) (4 / 5)
			0.6	Lesser Apple Worm (LAW) (0 / 8)
			5.1	Codling Moth (CM) (53 / 18)
			1.4	Dogwood Borer (DWB (0 / 20)
			1.3	Oriental Fruit Moth (OFM) (14 / 4)
			2.3	San Jose Scale (SJS) (11 / 21)
			0.4	Spotted Tentiform Leafminer (STLM) (5 / 0)
			0.0	Brown Marmorated Stink Bug (BMSB) (0/0) HVRL
			0.0	Spotted Wing Drosophila (SWD) (0/0/0/0) Trap set 5/25
				Apple – McIntosh – Fruit Set 18mm
				Apple – Empire, Spur Red Delicious – Fruit Set 20 mm
				Apple – Golden Delicious – Fruit Set 17mm
				Apple-Ginger Gold – Fruit Set 20 mm
				Pear – Bartlett / Bosc – Fruit Set 18 mm
				Early peach – Fruit Set 13 mm
				Apricot – Fruit Set 28 mm
			0.73”	Weekly Rainfall
			1.31”	Monthly Rainfall
			7.82”	Total Rainfall from March 1st

Baskerville-Emin (BE) from March 1				
<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)	
5/29	892.5	567.4	7.8	Obliquebanded Leafroller (OBLR) (2/1) Trap set 5/25

<u>Date</u>	Baskerville-Emin (BE) from March 1		Field Observations / Trap Catches / Models	
	DD Accumulations (previous day NEWA)			
	43 F	50 F	# / trap / day (pheromone trap)	
6/1	965.7	619.6	10.2	Psylla eggs / leaf (256 egg/ 25 leaves / 10 UT Bart. stems)
			1.4	Psylla nymphs /leaf (34 nym. /25 leaves / 10 UT Bart. stems)
			0.1	Spotted Green Fruitworm (SGFW) (0/1)
			0.0	Red Banded Leaf Roller(RBLR) (0/0)
			0.2	Lesser Apple Worm (LAW) (0/2)
			4.6	Codling Moth (CM) (22/10)
			1.0	Dogwood Borer (DWB) (7 / 7)
			1.6	Oriental Fruit Moth (OFM) (10/1)
			0.0	San Jose Scale (SJS) (0/0)
			0.1	Spotted Tentiform Leafminer (STLM) (0/1)
			4.1	Obliquebanded Leafroller (OBLR) (32/25)
			0.0	Brown Marmorated Stink Bug (BMSB) (0/0) HVRL
			0.0	Spotted Wing Drosophila (SWD) (0 G/0 C/0 R/0 P/0 H)*
				Model Predictions:
			273.0	Plum Curculio emergence complete at 308 DD ₅₀) on 3 June on 3 rd June
			327.0	Codling Moth (CM) larval emergence (220 DD ₅₀) on 27 th May
			73.0	Obliquebanded Leafroller (OBLR) larval emergence (350DD ₄₃) on 14 th June
			303.0	San Jose Scale (SJS) crawler emergence (400 DD ₅₁)1 st ft. on 6 th June
			1.24	Weekly Rainfall
			2.55	Monthly Rainfall
			9.06	Total Rainfall from March 1st

*SWD trap locations: Grape. Peach, Raspberries, Cherry, Honeysuckle

<u>Date</u>	Baskerville-Emin (BE) from March 1		Field Observations / Trap Catches / Models	
	DD Accumulations (previous day NEWA)			
	43 F	50 F	# / trap / day (pheromone trap)	
6/8	1077.6	683.7	9.5	Psylla eggs / leaf (238 egg/ 25 leaves / 10 UT Bart. stems)
			18.1	Psylla nymphs /leaf (127 nym. /25 leaves / 10 UT Bart. stems)
			0.1	Spotted Green Fruitworm (SGFW) (0/1)
			0.0	Red Banded Leaf Roller(RBLR) (0/0)
			0.0	Lesser Apple Worm (LAW) (N/A/0)
			5.0	Codling Moth (CM) (27/8)
			2.4	Dogwood Borer (DWB) (4/13)
			1.6	Oriental Fruit Moth (OFM) (11/0)
			0.0	San Jose Scale (SJS) (0/0)
			5.3	Spotted Tentiform Leafminer (STLM) (14/23)
			5.0	Obliquebanded Leafroller (OBLR) (26/44)
			0.0	Brown Marmorated Stink Bug (BMSB) (0/0) HVRL
			0.0	Spotted Wing Drosophila (SWD) (0/0/0/0)
				Model Predictions:
			337.0	Plum Curculio emergence complete at 308 DD ₅₀ on 4 th June
			320.0	Codling Moth (CM) larval emergence (220 DD ₅₀) on 27 th May
			185.0	Obliquebanded Leafroller (OBLR) larval emergence (350DD ₄₃) on 14 th June
			366.0	San Jose Scale (SJS) crawler emergence (400 DD ₅₁)1 st crawler on 10 th June
			1.77''	Weekly Rainfall
			1.77''	Monthly Rainfall
			10.82''	Total Rainfall from March 1st

<u>Date</u>	Baskerville-Emin (BE) from March 1		# / trap / day (pheromone trap)	Field Observations / Trap Catches / Models
	DD Accumulations (previous day NEWA)			
	43 F	50 F		
6/15	1276.3	833.4	1.3	Psylla eggs / leaf (32 egg/ 25 leaves / 10 UT Bart. stems)
			2.1	Psylla nymphs /leaf (52 nym. /25 leaves / 10 UT Bart. stems)
			0.0	Spotted Green Fruitworm (SGFW) (0/0)
			0.0	Red Banded Leaf Roller(RBLR) (0/0)
			0.0	Lesser Apple Worm (LAW) (N/A/0)
			6.8	Codling Moth (CM) (44/4)
			1.6	Dogwood Borer (DWB) (6/5)
			0.4	Oriental Fruit Moth (OFM) (3/0)
			0.0	San Jose Scale (SJS) (0/0)
			39.9	Spotted Tentiform Leafminer (STLM) (132/147)
			6.3	Obliquebanded Leafroller (OBLR) (51/37)
			0.0	Brown Marmorated Stink Bug (BMSB) (0/0) HVRL
			0.0	Spotted Wing Drosophila (SWD) (0/0/0/0/0) – (Pheromone 6/15) Leafhopper adult emergence and migration to apple (PLH, RLH / WALH) Leaf chlorosis and stippling from PLH and WA & RLH to foliage obser.
				Model Predictions:
			383.0	Obliquebanded Leafroller (OBLR) larval emergence (350DD ₄₃) on 14 th June (1 st trap capture on 29 th of May)
			1.49''	Weekly Rainfall
			3.26''	Monthly Rainfall
			12.31''	Total Rainfall from March 1st

*SWD trap locations: Grape. Peach, Raspberries, Cherry, Honeysuckle

<u>Date</u>	Baskerville-Emin (BE) from March 1		# / trap / day (pheromone trap)	Field Observations / Trap Catches / Models
	DD Accumulations (previous day NEWA)			
	43 F	50 F		
6/18		845.0		San Jose Scale (SJS) 1st crawler emergence (white cap) and early fruit injury observed (1 st adult male flight observed on 11 th of May) Predicted emergence date on 10 th June (400 DD ₅₁)

<u>Date</u>	Baskerville-Emin (BE) from March 1		Field Observations / Trap Catches / Models	
	DD Accumulations (previous day NEWA)			
	43 F	50 F	# / trap / day (pheromone trap)	
6/29	1638.2	1095.9	0.3	Psylla eggs / leaf (8 egg/ 25 leaves / 10 UT Bart. stems)
			1.0	Psylla nymphs /leaf (24 nym. /25 leaves / 10 UT Bart. stems)
			0.0	Red Banded Leaf Roller(RBLR) (0/0)
			0.0	Lesser Apple Worm (LAW) (0/7)
			2.1	Codling Moth (CM) (21/8)
			1.7	Dogwood Borer (DWB (11/14)
			0.9	Oriental Fruit Moth (OFM) (3/9)
			0.0	San Jose Scale (SJS) (0/0)
			31.1	Spotted Tentiform Leafminer (STLM) (212/223)
			4.1	Obliquebanded Leafroller (OBLR) (35/22)
			0.0	Brown Marmorated Stink Bug (BMSB) (0/0) HVRL
			0.0	Spotted Wing Drosophila (SWD) (0/0/0/0)* – (Pheromone 6/15)
				Model Predictions:
			744	Obliquebanded Leafroller (OBLR) larval emergence (350DD ₄₃) on 14 th June (1 st flt. 29 th May). Fruit damage is starting now, and will rapidly increase if larvae have not been effectively controlled.
			1.43''	Weekly Rainfall
			7.21''	Monthly Rainfall
			16.26''	Total Rainfall from March 1st

*SWD trap locations: Grape. Peach, Raspberries, Cherry, Honeysuckle

<u>Date</u>	Baskerville-Emin (BE) from March 1		<u>Field Observations / Trap Catches / Models</u>	
	DD Accumulations (previous day NEWA)			
	43 F	50 F	# / trap / day (pheromone trap)	
7/6	1810.7	1219.4	0.3	Psylla eggs / leaf (7 egg/ 25 leaves / 10 UT Bart. stems)
			0.7	Psylla nymphs /leaf (18 nym. /25 leaves / 10 UT Bart. stems)
			0.0	Red Banded Leaf Roller(RBLR) (0/0)
			0.4	Lesser Apple Worm (LAW) (0/5)
			0.8	Codling Moth (CM) (9/2)
			0.9	Dogwood Borer (DWB) (8/5)
			1.0	Oriental Fruit Moth (OFM) (0/14)
			< 0.1	San Jose Scale (SJS) (1/0) (Fst Flt. Male)
			41.1	Spotted Tentiform Leafminer (STLM) (301/275)
			0.7	Obliquebanded Leafroller (OBLR) (3/8)
			0.0	Brown Marmorated Stink Bug (BMSB) (0/0) HVRL
			0.0	Spotted Wing Drosophila (SWD) (0/0/0/0)* – (Pheromone 6/15)
				Codling moth 1 st generation near completion
				Lesser apple worm flight beginning
				OBLR fruit feeding observed
				OFM 2 nd generation emergence
				RBLR 2 nd generation emergence
				STLM sap feed mines continuing
				DWB hatch continuing
			0.46''	Weekly Rainfall
			0.36''	Monthly Rainfall
			16.72''	Total Rainfall from March 1st

*SWD trap locations: Grape, Peach, Raspberries, Cherry, Honeysuckle

<u>Date</u>	Baskerville-Emin (BE) from March 1		<u>Field Observations / Trap Catches / Models</u>	
	DD Accumulations (previous day NEWA)			
	43 F	50 F	# / trap / day (pheromone trap)	
7/13	2023.7	1383.4	1.04	Psylla eggs / leaf (26 egg/ 25 leaves / 10 UT Bart. stems)
			0.12	Psylla nymphs /leaf (3 nym. /25 leaves / 10 UT Bart. stems)
			0.0	Red Banded Leaf Roller(RBLR) (0/0)
			0.2	Lesser Apple Worm (LAW) (0/3)
			1.7	Codling Moth (CM) (13/11) 2nd gen flight. biofix
			1.7	Dogwood Borer (DWB (21/3)
			0.5	Oriental Fruit Moth (OFM) (2/5)
			33.9	San Jose Scale (SJS) (423/51)
			26.2	Spotted Tentiform Leafminer (STLM) (155/212) 1st capture (Biofix)
			0.4	Obliquebanded Leafroller (OBLR) (0/5)
			0.0	Tufted Apple Budmoth (TABM) (0/0) Trap set 7/6
			0.0	Brown Marmorated Stink Bug (BMSB) (0/0) HVRL
			>0.1	Apple Maggot (AM) (0/0/0/2) Trap set 6/29
			>0.1	Spotted Wing Drosophila (SWD) (0/0/0/0/1)* – First Capture
				Codling moth egg laying and hatch begins.
				Second flight of OBLR is now beginning.
			0.07''	Weekly Rainfall
			0.43''	Monthly Rainfall
			16.79''	Total Rainfall from March 1st

*SWD trap locations: Grape, Peach, Raspberries, Cherry, Honeysuckle

<u>Date</u>	Baskerville-Emin (BE) from March 1		<u>Field Observations / Trap Catches / Models</u>	
	DD Accumulations (previous day NEWA)			
	43 F	50 F	# / trap / day (pheromone trap)	
7/20	2229.4	1540.1	0.24	Psylla eggs / leaf (6 egg/ 25 leaves / 10 UT Bart. stems)
			9.5	Psylla nymphs /leaf (67 nym. /25 leaves / 10 UT Bart. stems)
			0.0	Red Banded Leaf Roller(RBLR) (0/0)
			2.8	Lesser Apple Worm (LAW) (26/13)
			6.1	Codling Moth (CM) (58/28)
			3.9	Dogwood Borer (DWB (22/33)
			0.8	Oriental Fruit Moth (OFM) (7/5)
			61.4	San Jose Scale (SJS) (822/38)
			17.2	Spotted Tentiform Leafminer (STLM) (113/128)
			0.1	Obliquebanded Leafroller (OBLR) (0/2)
			0.0	Tufted Apple Budmoth (TABM) (0/0)
			>0.1	Sparganothis (SPR) (0/1) Trap set 7/13
			0.3	Brown Marmorated Stink Bug (BMSB) (0/0/2) (4th instar)
			0.1	Apple Maggot (AM) (0/0/0/1)
			>0.1	Spotted Wing Drosophila (SWD) (0/0/0/0/2) (in Honeysuckle)
			90.0 DD	San Jose Scale adult male flight (biofix). SJS crawler emergence approx. 400DD base 51°F from biofix
			157.0 DD	Codling Moth continued 2 nd gen. egg laying and hatch continues
			0.42''	Weekly Rainfall
			0.85''	Monthly Rainfall
			17.21''	Total Rainfall from March 1st

*SWD trap locations: Grape. Peach, Raspberries, Cherry, Honeysuckle

<u>Date</u>	Baskerville-Emin (BE) from March 1		<u>Field Observations / Trap Catches / Models</u>	
	DD Accumulations (previous day NEWA)			
	43 F	50 F	# / trap / day (pheromone trap)	
7/27	2444.5	1707.6	< 0.1	Psylla eggs / leaf (2 egg/ 25 leaves / 10 UT Bart. stems)
			1.4	Psylla nymphs /leaf (35 nym. /25 leaves / 10 UT Bart. stems)
			19.1	Red Banded Leaf Roller(RBLR) (44/18)
			0.7	Lesser Apple Worm (LAW) (2/8)
			2.5	Codling Moth (CM) (16/19)
			1.9	Dogwood Borer (DWB (11/15)
			0.6	Oriental Fruit Moth (OFM) (4/5)
			74.2	San Jose Scale (SJS) (1025/14)
			24.5	Spotted Tentiform Leafminer (STLM) (193/150)
			0.2	Obliquebanded Leafroller (OBLR) (2/1) 2nd gen flight. biofix
			0.4	Tufted Apple Budmoth (TABM) (5/1)
			0.0	Sparganothis (SPR) (0/0)
			0.3	Brown Marmorated Stink Bug (BMSB) (0/0/1) (4th instar)
			>0.1	Apple Maggot (AM) (0/-/2/0)
			0.2	Spotted Wing Drosophila (SWD) (0/2/1/0/3) First Flt. HVRL
			277.5 DD	San Jose Scale adult male flight (biofix). SJS crawler emergence approx. 400DD base 51°F from biofix The 2 nd generation crawler emergence predicted for August 1 st .
			344.5 DD	Codling Moth continued 2 nd gen. egg laying and hatch continues 2 nd gen. biofix base 50°F on 7/13
			277.5 DD	Spotted Tentiform Leafminer adult male flight (biofix July 6 th). STLM hatch underway with sap feeding mines present
			0.21''	Weekly Rainfall
			1.06''	Monthly Rainfall
			17.42''	Total Rainfall from March 1st

*SWD trap locations: Grape. Peach, Raspberries, Cherry, Honeysuckle

<u>Date</u>	Baskerville-Emin (BE) from March 1		<u>Field Observations / Trap Catches / Models</u>	
	DD Accumulations (previous day NEWA)			
	43 F	50 F	# / trap / day (pheromone trap)	
8/3	2679.6	1893.7	0.0	Psylla eggs / leaf (0 egg/ 25 leaves / 10 UT Bart. stems)
			0.2	Psylla nymphs /leaf (4 nym. /25 leaves / 10 UT Bart. stems)
			0.0	Red Banded Leaf Roller(RBLR) (0/0)
			0.6	Lesser Apple Worm (LAW) (5/4)
			5.4	Codling Moth (CM) (34/41)
			4.4	Dogwood Borer (DWB (33/28)
			1.6	Oriental Fruit Moth (OFM) (16/7)
			67.8	San Jose Scale (SJS) (897/52)
			35.6	Spotted Tentiform Leafminer (STLM) (212/272)
			0.9	Obliquebanded Leafroller (OBLR) (8/5)
			0.7	Tufted Apple Budmoth (TABM) (6/4)
			0.0	Sparganothis (SPR) (0/0)
			0.0	Brown Marmorated Stink Bug (BMSB) (0/0/0)
			0.1	Apple Maggot (AM) (1/0/3/2)
			0.2	Spotted Wing Drosophila (SWD) (4/1/4/2/25)
			0.17''	Weekly Rainfall
			0.0''	Monthly Rainfall
			17.59''	Total Rainfall from March 1st

*SWD trap locations: Grape, Peach, Raspberries, Cherry, Honeysuckle

<u>Date</u>	Baskerville-Emin (BE) from March 1		<u>Field Observations / Trap Catches / Models</u>	
	DD Accumulations (previous day NEWA)			
	43 F	50 F	# / trap / day (pheromone trap)	
8/10	2887.1	2052.2	0.1	Psylla eggs / leaf (3 egg/ 25 leaves / 10 UT Bart. stems)
			0.5	Psylla nymphs /leaf (12 nym. /25 leaves / 10 UT Bart. stems)
			0.0	Red Banded Leaf Roller(RBLR) (0/0)
			1.0	Lesser Apple Worm (LAW) (9/5)
			8.6	Codling Moth (CM) (52/68)
			1.2	Dogwood Borer (DWB (8/9)
			0.2	Oriental Fruit Moth (OFM) (2/1)
			25.6	San Jose Scale (SJS) (370/16)
			10.8	Spotted Tentiform Leafminer (STLM) (52/99)
			1.3	Obliquebanded Leafroller (OBLR) (4/14)
			0.7	Tufted Apple Budmoth (TABM) (1/0)
			<0.1	Sparganothis (SPR) (0/0)
			1.0	Brown Marmorated Stink Bug (BMSB) (1/2/4)
			0.2	Apple Maggot (AM) (0/2/1/2)
			0.8	Spotted Wing Drosophila (SWD) (1/10/3/7/8)
				Oriental fruit moth 3rd generation flight increasing
			0.02''	Weekly Rainfall
			0.02''	Monthly Rainfall
			17.61''	Total Rainfall from March 1st

*SWD trap locations: Grape, Peach, Raspberries, Cherry, Honeysuckle

<u>Date</u>	Baskerville-Emin (BE) from March 1		<u>Field Observations / Trap Catches / Models</u>	
	DD Accumulations (previous day NEWA)			
	43 F	50 F	# / trap / day (pheromone trap)	
8/17	3094.9	2210.6	0.2	Psylla eggs / leaf (6 egg/ 25 leaves / 10 UT Bart. stems)
			0.4	Psylla nymphs /leaf (9 nym. /25 leaves / 10 UT Bart. stems)
			1.1	Red Banded Leaf Roller(RBLR) (0/16)
			1.3	Lesser Apple Worm (LAW) (12/6)
			4.2	Codling Moth (CM) (20/39)
			0.9	Dogwood Borer (DWB) (7/6)
			0.6	Oriental Fruit Moth (OFM) (6/3)
			16.8	San Jose Scale (SJS) (194/41)
			11.4	Spotted Tentiform Leafminer (STLM) (102/57)
			0.0	Obliquebanded Leafroller (OBLR) (0/0)
			0.1	Tufted Apple Budmoth (TABM) (2/0)
			<0.1	Sparganothis (SPR) (0/1)
			0.0	Brown Marmorated Stink Bug (BMSB) (0/0/0)
			0.3	Apple Maggot (AM) (0/0/2/5)
			1.1	Spotted Wing Drosophila (SWD) (4/8/5/13/9)
				Red Banded Leafroller 3rd flight beginning (biofix).
				Codling Moth 2 nd gen. flight continues
				Spotted Tentiform Leafminer 3 rd generation adults and flight in progress.
				Oriental fruit moth flight increasing & egg hatch beginning
				Apple Maggot flight increasing in orchards with ample soil moisture
				BMSB nymphs observed in mid-season peach
			1.55"	Weekly Rainfall
			1.57"	Monthly Rainfall
			19.16"	Total Rainfall from March 1st

*SWD trap locations: Grape, Peach, Raspberries, Cherry, Honeysuckle

<u>Date</u>	Baskerville-Emin (BE) from March 1		<u>Field Observations / Trap Catches / Models</u>	
	DD Accumulations (previous day NEWA)			
	43 F	50 F	# / trap / day (pheromone trap)	
8/24	3320.3	2387.4	0.0	Psylla eggs / leaf (0 egg/ 25 leaves / 10 UT Bart. stems)
			0.0	Psylla nymphs /leaf (0 nym. /25 leaves / 10 UT Bart. stems)
			4.4	Red Banded Leaf Roller(RBLR) (29/32)
			2.0	Lesser Apple Worm (LAW) (11/17)
			5.5	Codling Moth (CM) (35/42)
			1.1	Dogwood Borer (DWB) (7/8)
			1.8	Oriental Fruit Moth (OFM) (12/14)
			1.3	San Jose Scale (SJS) (12/6)
			12.7	Spotted Tentiform Leafminer (STLM) (91/87)
			0.3	Obliquebanded Leafroller (OBLR) (1/3)
			0.1	Tufted Apple Budmoth (TABM) (2/0)
			<0.1	Sparganothis (SPR) (0/1)
			0.4	Variegated Leafroller (0/5)
			0.0	Brown Marmorated Stink Bug (BMSB) (0/0/0)
			0.3	Apple Maggot (AM) (0/0/2/5)
			4.9	Spotted Wing Drosophila (SWD) (19/30/55/10/60)
			1.07"	Weekly Rainfall
			2.64"	Monthly Rainfall
			20.23"	Total Rainfall from March 1st

*SWD trap locations: Grape, Peach, Raspberries, Cherry, Honeysuckle

<u>Date</u>	Baskerville-Emin (BE) from March 1		<u>Field Observations / Trap Catches / Models</u>	
	DD Accumulations (previous day NEWA)			
	43 F	50 F	# / trap / day (pheromone trap)	
8/31	3512.0	2454.2	0.0	Psylla eggs / leaf (0 egg/ 25 leaves / 10 UT Bart. stems)
			0.0	Psylla nymphs /leaf (0 nym. /25 leaves / 10 UT Bart. stems)
			1.5	Red Banded Leaf Roller(RBLR) (12/10)
			1.1	Lesser Apple Worm (LAW) (8/7)
			4.8	Codling Moth (CM) (28/39)
			0.8	Dogwood Borer (DWB) (6/5)
			1.5	Oriental Fruit Moth (OFM) (9/12)
			0.0	San Jose Scale (SJS) (0/0)
			11.1	Spotted Tentiform Leafminer (STLM) (81/75)
			0.1	Obliquebanded Leafroller (OBLR) (1/1)
			<0.1	Tufted Apple Budmoth (TABM) (1/0)
			<0.1	Sparganothis (SPR) (0/1)
			0.1	Variegated Leafroller (0/2)
			0.0	Brown Marmorated Stink Bug (BMSB) (0/0/0)
			0.5	Apple Maggot (AM) (2/2/0/6)
			4.8	Spotted Wing Drosophila (SWD) (12/10/40/16/41)
			0.69"	Weekly Rainfall
			3.33"	Monthly Rainfall
			20.92"	Total Rainfall from March 1st

*SWD trap locations: Grape, Peach, Raspberries, Cherry, Honeysuckle

<u>Date</u>	Baskerville-Emin (BE) from March 1		<u>Field Observations / Trap Catches / Models</u>	
	DD Accumulations (previous day NEWA)			
	43 F	50 F	# / trap / day (pheromone trap)	
9/8	3766.1	2728.2	0.0	Psylla eggs / leaf (0 egg/ 25 leaves / 10 UT Bart. stems)
			0.1	Psylla nymphs /leaf (3 nym. /25 leaves / 10 UT Bart. stems)
			4.2	Red Banded Leaf Roller(RBLR) (36/23)
			4.3	Lesser Apple Worm (LAW) (46/14)
			0.6	Codling Moth (CM) (6/3)
			0.2	Dogwood Borer (DWB) (1/2)
			<0.1	Oriental Fruit Moth (OFM) (0/1)
			285.3	San Jose Scale (SJS) (2996/998)
			25.1	Spotted Tentiform Leafminer (STLM) (190/161)
			0.4	Obliquebanded Leafroller (OBLR) (1/4)
			0.8	Tufted Apple Budmoth (TABM) (11/0)
			0.0	Sparganothis (SPR) (0/0)
			0.1	Variegated Leafroller (31/17)
			0.0	Brown Marmorated Stink Bug (BMSB) (0/0/0)
			0.1	Apple Maggot (AM) (1/0/1/2)
			4.8	Spotted Wing Drosophila (SWD) (14**/34/4/0/43)
			0.00"	Weekly Rainfall
			0.00"	Monthly Rainfall
			20.92"	Total Rainfall from March 1st

*SWD trap locations: Grape, Peach, Raspberries, Cherry, Honeysuckle

**2 *Zaprionus indianus* adults found in ACV Trap.

<u>Date</u>	Baskerville-Emin (BE) from March 1		<u>Field Observations / Trap Catches / Models</u>	
	DD Accumulations (previous day NEWA)			
	43 F	50 F	# / trap / day (pheromone trap)	
9/14	3945.3	2865.4	0.0	Psylla eggs / leaf (0 egg/ 25 leaves / 10 UT Bart. stems)
			0.0	Psylla nymphs /leaf (0 nym. /25 leaves / 10 UT Bart. stems)
			0.4	Red Banded Leaf Roller(RBLR) (4/0)
			7.3	Lesser Apple Worm (LAW) (22/51)
			0.7	Codling Moth (CM) (6/4)
			<0.1	Dogwood Borer (DWB) (0/1)
			0.0	Oriental Fruit Moth (OFM) (0/0)
			208.5	San Jose Scale (SJS) (1810/275)
			1.1	Spotted Tentiform Leafminer (STLM) (10/1)
			<0.1	Obliquebanded Leafroller (OBLR) (0/1)
			0.0	Tufted Apple Budmoth (TABM) (0/0)
			<0.1	Sparganothis (SPR) (0/1)
			0.7	Variegated Leafroller (4/3)
			0.0	Brown Marmorated Stink Bug (BMSB) (0/0/0)
			<0.1	Apple Maggot (AM) (0/1/0/0)
			7.4	Spotted Wing Drosophila (SWD) (97/60/8/0/21)
			0.10"	Weekly Rainfall
			0.10"	Monthly Rainfall
			21.02"	Total Rainfall from March 1st

*SWD trap locations: Grape, Peach, Raspberries, Cherry, Honeysuckle