

**2011 Hudson Valley 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 (9 am / NEWA)</u>	<u>43 F</u>	
3/1	23.4	8.0	Beginning degree day accumulations beginning 1 Jan. 2011
3/7	28.6	8.5	Apple – McIntosh – Dormant Apple – McIntosh – Dormant
			1.87” Weekly Rainfall
			1.87” Total Rainfall from 1 March
3/14	32.0	8.5	Apple – McIntosh – Dormant 0.0 Psylla eggs / bud (0 egg / 20 buds / 8 trees) 0.0 Spotted Green Fruitworm (SGFW) (0/0)
			1.43” Weekly Rainfall
			3.3” Total Rainfall from 1 March
3/21	55.6	18.8	Apple – McIntosh – Dormant 0.0 Psylla eggs / bud (0 egg / 20 buds / 8 trees) 0.0 Spotted Green Fruitworm (SGFW) (0/0)
			0.67” Weekly Rainfall
			3.97” Total Rainfall from 1 March
3/28	55.8	18.8	Degree day accumulations Apple – McIntosh – Dormant Pear – Bartlett – Dormant < 0.1 Psylla eggs / bud (3 eggs / 100 buds / 3 trees) First obser. 0.0 Spotted Green Fruitworm (SGFW) (0/0) 0.0 Red Banded leafroller (RBLR) (0 / 0) 0.0 Oriental Fruit Moth (OFM) (0 / 0) 0.0 Codling Moth (CM) (0 / 0) 10.8 SJS DD DD ₅₀ from March 1
			0.14” Weekly Rainfall
			4.11” Total Rainfall from 1 March
3/31	56.5	18.8	Spotted Green Fruitworm (SGFW) (1 / 0) First flt. Apple – McIntosh – Silver Tip

4/4	56.5	18.8	Degree day accumulations
			Apple – McIntosh, Gingergold – Silver Tip
			Apple – Red Delicious – Dormant
			Pear – Bartlett – Swollen bud
			Peach, Cherry, Apricot, Early Plum – swollen bud
		0.0	Psylla eggs / bud (0 eggs / 20 buds / 6 trees)
		0.3	Spotted Green Fruitworm (SGFW) (2 / 1)
		0.0	Red Banded leafroller (RBLR) (/)
		0.0	Spotted Tentiform Leafminer (STLM) (/)
		0.0	Oriental Fruit Moth (OFM) (0 / 0)
		19.7	SJS DD ₅₀ from March 1 (500DD)
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		0.36”	Weekly Rainfall
		4.5”	Total Rainfall from 1 March
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	43 F	50 F	# / trap / day (pheromone trap)
4/11	94.8	28.4	DD Accumulations 2011
			0.2 Psylla eggs / bud (20 eggs / 100 buds / 8 trees)
			0.2 Spotted Green Fruitworm (SGFW) (1 / 2)
			0.0 Spotted Tentiform Leafminer (STLM) (0 / 0)
			0.5 Red Banded leafroller (RBLR) (6 / 1) First flt.
			0.0 Oriental Fruit Moth (OFM) (0 / 0)
			0.0 Lesser apple worm (LAW) (0 / 0)
			0.0 Grape berry moth (GBM) (0 / 0)
			Apple –Ginger Gold – ¼” green
			Apple – McIntosh – ¼” green
			Apple – Delicious – Early green tip
			Apple – Golden Delicious – Early green tip
			Pear – Bartlett / Bosc – Swollen bud
			Peaches (Red Haven - Early) – Swollen bud
			Cherry (Sweetheart - Early) – Swollen bud
			Plum (Italian / Stanley)– Swollen bud
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		20.0	OFM DD from March 1 (1 st gen larva 400-500 DD ₄₅)
		28.4	SJS DD from March 1 (crawler emergence 500 DD ₅₀)
			<hr/>
		0.5”	Weekly Rainfall
		0.85”	Total Rainfall from 1 April

	43 F	50 F	# / trap / day (pheromone trap)
4/18	158.7	61.0	DD Accumulations 2011
			1.0 Psylla eggs / bud (96 eggs / 100 buds / 4 trees)
			0.3 Spotted Green Fruitworm (SGFW) (3 / 1)
			0.8 Spotted Tentiform Leafminer (STLM) (3 / 8) First flt.
			3.9 Red Banded leafroller (RBLR) (51 / 4)
			0.0 Oriental Fruit Moth (OFM) (0 / 0)
			0.0 Lesser apple worm (LAW) (0 / 0)
			0.0 Grape berry moth (GBM) (0 / 0)
			< 0.1 Brown Marmorated Stink Bug (BMSB) (1 / 0) First flt.
			Apple –Ginger Gold – ½ ” green
			Apple – McIntosh – ½ ” green
			Apple – Delicious – ½ ” green
			Apple – Golden Delicious – ¼ ” green
			Pear – Bartlett / Bosc – bud burst
			Apricot (Early) – early bloom
			Peaches (Red Haven - Early) – ½ ” green tip
			Peaches (Late) – green tip
			Cherry (Sweetheart - Early) – bud burst
			Plum (Italian / Stanley)– green tip
			<hr/> 77.0 OFM DD from March 1 (1 st gen larva 400-500 DD ₄₅)
			<hr/> 61.0 SJS DD from March 1 (crawler emergence 500 DD ₅₀)
			2.59” Weekly Rainfall
			3.44” Total Rainfall from 1 April

	43 F	50 F	# / trap / day (pheromone trap)
4/25	201.0	79.2	DD Accumulations 2011 (from 1 January)
			1.0 Psylla eggs / bud (104 eggs / 100 buds / 4 trees)
			< 0.1 Psylla nymph / bud (1 nymph / 100 buds / 4 trees)
			0.0 Spotted Green Fruitworm (SGFW) (0 / 0)
			10.8 Spotted Tentiform Leafminer (STLM) (48 / 103)
			4.7 Red Banded leafroller (RBLR) (56 / 10)
			0.0 Oriental Fruit Moth (OFM) (0 / 0)
			0.0 Lesser apple worm (LAW) (0 / 0)
			0.0 Grape berry moth (GBM) (0 / 0)
			0.0 Brown Marmorated Stink Bug (BMSB) (0 / 0)
			Apple –Ginger Gold – tight cluster
			Apple – McIntosh – early tight cluster
			Apple – Delicious – tight cluster
			Apple – Golden Delicious – tight cluster
			Pear – Bartlett / Bosc – early green cluster
			Apricot (Early) – late bloom
			Peaches (Red Haven - Early) – pink
			Peaches (Late) – pink
			Cherry (Sweetheart - Early) – early bloom (1%)
			Plum (Italian / Stanley)– green cluster
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			103.0 OFM DD from March 1 (1 st gen larva 400-500 DD ₄₅)
			79.2 SJS DD from March 1 (crawler emergence 500 DD ₅₀)
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			1.04” Weekly Rainfall
			8.62” Total Rainfall from 1 April

	43 F	50 F	# / trap / day (pheromone trap)
5/2	324.0	156.7	DD Accumulations 2011 (from 1 January)
			2.3 Psylla eggs / bud (114 eggs / 50 buds / 4 trees)
			0.3 Psylla nymph / bud (16 nymph / 50 buds / 4 trees)
			0.6 Spotted Green Fruitworm (SGFW) (7 / 1)
			37.5 Spotted Tentiform Leafminer (STLM) (244 / 281)
			10.6 Red Banded leafroller (RBLR) (123 / 26)
			5.6 Oriental Fruit Moth (OFM) (26 / 53) First flt.
			0.0 Lesser apple worm (LAW) (0 / 0)
			0.0 Grape berry moth (GBM) (0 / 0)
			< 0.1 Brown Marmorated Stink Bug (BMSB) (1 / 0)
			Apple –Ginger Gold – full bloom
			Apple – McIntosh – early bloom (1%)
			Apple – Delicious – late pink
			Apple – Golden Delicious – late pink
			Pear – Bartlett / Bosc – full bloom
			Apricot (Early) – late petal fall / fruit set
			Peaches (Red Haven - Early) – bloom
			Peaches (Late) – bloom
			Cherry (Sweetheart - Early) – full bloom
			Plum (Italian / Stanley)– bloom
			<hr/>
			212.0 OFM DD from March 1 (1 st gen larva 400-500 DD ₄₅)
			324.0 STLM DD from 1st obser, (1 st gen larva 472 DD ₄₃ +/- 129)
			156.7 SJS DD from March 1 (crawler emergence 500 DD ₅₀)
			<hr/>
			0.91” Weekly Rainfall
			5.54” Total Rainfall from 1 April

	43 F	50 F	# / trap / day (pheromone trap)
5/9	415.0	205.7	DD Accumulations 2011 (from 1 January)
			0.7 Psylla eggs / bud (68 eggs / 100 buds / 4 trees)
			0.5 Psylla nymph / bud (50 nymph / 100 buds / 4 trees)
			0.1 Spotted Green Fruitworm (SGFW) (1 / 1)
			30.6 Spotted Tentiform Leafminer (STLM) (204 / 224)
			5.9 Red Banded leafroller (RBLR) (72 / 11)
			21.6 Oriental Fruit Moth (OFM) (124 / 179)
			0.0 Lesser apple worm (LAW) (0 / 0)
			0.0 Grape berry moth (GBM) (0 / 0)
			0.0 Codling moth (CM) (0 / 0)
			0.0 Brown Marmorated Stink Bug (BMSB) (0 / 0)
			Apple –Ginger Gold – late bloom
			Apple – McIntosh – full bloom
			Apple – Delicious – early bloom
			Apple – Golden Delicious – early bloom
			Pear – Bartlett– 50% petal fall
			Pear –Bosc – 80% petal fall
			Apricot (Early) –fruit set shucks on
			Peaches (Red Haven - Early) – fruit set shucks on
			Peaches (Late) – fruit set shucks on
			Cherry (Sweetheart - Early) – fruit set
			Plum (Italian / Stanley)– early petal fall
			<hr/>
			289.0 OFM DD from March 1 (1 st gen larva 400-500 DD ₄₅)
			415.0 STLM DD from 1st obser, (1 st gen larva 472 DD ₄₃ +/- 129)
			205.7 SJS DD from March 1 (crawler emergence 500 DD ₅₀)
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			0.9” Weekly Rainfall
			0.9” Total Rainfall from 1 May
			10.6” Total Rainfall from 1 March

	43 F	50 F	# / trap / day (pheromone trap)
5/16	526.0	268.3	DD Accumulations 2011 (from 1 January)
		1.4	Psylla eggs / bud (139 eggs / 100 buds / 4 trees)
		0.5	Psylla nymph / bud (45 nymph / 100 buds / 4 trees)
		0.0	Spotted Green Fruitworm (SGFW) (0 / 0)
		12.1	Spotted Tentiform Leafminer (STLM) (78 / 92)
		3.2	Red Banded leafroller (RBLR) (36 / 9)
		13.3	Oriental Fruit Moth (OFM) (123 / 63)
		0.0	Lesser apple worm (LAW) (0 / 0)
		2.9	Grape berry moth (GBM) (20)
		0.4	Codling moth (CM) (4 / 1) First flight
		0.0	Brown Marmorated Stink Bug (BMSB) (0 / 0)
		2.0	BMSB field observation adults on commercial pome fruit (low #'s)
		<1%	Lep larvae terminal feeding in unsprayed foliage and fruit (low)
			Apple -Ginger Gold - petal fall (king fruit \leq 10mm)
			Apple - McIntosh - 80% petal fall (king fruit \leq 8mm)
			Apple - Delicious - 80% petal fall (king fruit \leq 6mm)
			Apple - Golden Delicious - petal fall (king fruit \leq 8mm)
			Apple - Cortland - petal fall (king fruit \leq 10mm)
			Pear - Bartlett- (king fruit \leq 11mm)
			Pear -Bosc - 4-10 (king fruit \leq 9mm)
			Apricot (Early) -fruit set shucks off (\leq 22mm)
			Peaches (Red Haven - Early) - fruit set shucks on
			Peaches (Late) - fruit set
			Cherry (Sweetheart - Early) - fruit set (fruit \leq 12mm) shucks off
			Cherry (White Gold - Early) - fruit set shucks off
			Plum (Italian / Stanley)- fruit set shucks on
			Plum (Shiro)- fruit set shucks on
		386.0	OFM DD from March 1 (1st gen larva 400-500 DD45)
		374.5	STLM DD from 1st obser, (1st gen larva 472 DD43 +/- 129)
		268.3	SJS DD from March 1 (crawler emergence 500 DD50)
		2.61"	Weekly Rainfall
		3.83"	Total Rainfall from 1 May
		13.48"	Total Rainfall from 1 March

5/23

43 F

50 F

/ trap / day (pheromone trap)

DD Accumulations 2011 (from 1 January)

Psylla eggs / bud (eggs / 100 buds / 4 trees)

Psylla nymph / bud (nymph / 100 buds / 4 trees)

Spotted Green Fruitworm (SGFW) (/)

Spotted Tentiform Leafminer (STLM) (/)

Red Banded leafroller (RBLR) (/)

Oriental Fruit Moth (OFM) (/)

Lesser apple worm (LAW) (/)

Grape berry moth (GBM) ()

Codling moth (CM) (/)

Brown Marmorated Stink Bug (BMSB) (/)

430.5 OFM DD from March 1 (1st gen larva 400-500 DD45 on 5/17)

493.5 STLM DD from 1st obser, (1st gen larva 472 DD43 +/- 129)

338.3 SJS DD from March 1 (crawler emergence 500 DD50)

2.61" Weekly Rainfall

3.83" Total Rainfall from 1 May

13.48" Total Rainfall from 1 March

	43 F	50 F	# / trap / day (pheromone trap)
5/31	860.5	497.8	DD Accumulations 2011 (from 1 January)
		4.1	Psylla eggs / lf (401 eggs / 100 leaves / 4 trees)
		1.0	Psylla nymph / fl (108 nymph / 100 leaves / 4 trees)
		0.0	Spotted Green Fruitworm (SGFW) (0 / 0)
		2.5	Spotted Tentiform Leafminer (STLM) (24 / 16)
		0.5	Red Banded leafroller (RBLR) (8 / 0)
		4.4	Oriental Fruit Moth (OFM) (30 / 41)
		0.3	Lesser apple worm (LAW) (4 / 1)
		2.6	Grape berry moth (GBM) (21)
		6.1	Codling moth (CM) (38 / 59)
		0.0	Brown Marmorated Stink Bug (BMSB) (0 / 0)
			1 st feeding obser of BMSB field adults on commercial pome fruit
			Threshold of 2 nd generation pear psylla nymphson Bartlett
		30 May	CM larval hatch prediction
		2 June	PC DD from March 1 (1st gen larva 308 DD50)
		1 June	SJS DD from March 1 (1st gen crawlers 500 DD50 from 1 March)
		230.0	PC DD from March 1 (1st gen larva 308 DD50)
		230.0	CM DD from sustained catch (1st gen larva 220 DD ₅₀)
		497.8	SJS DD from March 1 (crawler emergence 500 DD50)
		0.49"	Weekly Rainfall
		4.51"	Total Rainfall from 1 May
		14.2"	Total Rainfall from 1 March

	43 F	50 F	# / trap / day (pheromone traps)
6/5	1000.0	595.3	DD Accumulations 2011 (from 1 January)
			4.3 Psylla eggs / lf (213 eggs / 50 leaves / 4 trees)
			0.1 Psylla nymph / fl (7 nymph / 50 leaves / 4 trees)
			10.6 Spotted Tentiform Leafminer (STLM) (54 / 94)
			0.0 Red Banded leafroller (RBLR) (0 / 0)
			1.4 Oriental Fruit Moth (OFM) (4 / 16)
			<0.1 Lesser apple worm (LAW) (1 / 0)
			<0.1 Grape berry moth (GBM) (1)
			3.2 Codling moth (CM) (22 / 33)
			0.2 Obliquebanded leafroller (RBLR) (2 / 1) (FFlt 1 June)
			0.0 Brown Marmorated Stink Bug (BMSB) (0 / 0)
			Feeding obser of BMSB field adults on commercial pome fruit
			1 st obser of BMSB eggs and nymphs on commercial pome fruit
		30 May	CM larval hatch prediction
		2 June	PC DD from March 1 (1st gen larva 308 DD50)
		1 June	SJS DD from March 1 (1st gen crawlers 500 DD50 from 1 March)
		21 June	OBLR larva emergence prediction (1st gen. 340 DD50 from 1 June)
		97.0	OBLR DD50 1st gen. from 1 June
		327	PC DD from March 1 (1st gen larva 308 DD50)
		327	CM DD from sustained catch (1st gen larva 220 DD50)
		587	SJS DD from March 1 (crawler emergence 500 DD50)
		0.0"	Weekly Rainfall
		0.0"	Total Rainfall from 1 June
		14.2""	Total Rainfall from 1 March

	43 F	50 F	# / trap / day
6/13	1168.1	729.8	DD Accumulations 2011 (from 1 January)

Pheromone trap observations

2.4	Psylla eggs / lf (63 / 58	eggs / 50 leaves / 4 trees)
0.7	Psylla nymph / fl (36 / 1	nymph / 50 leaves / 4 trees)
49.0	Spotted Tentiform Leafminer (STLM) (169 / 223)	
0.0	Red Banded leafroller (RBLR) (0 / 0)	
0.5	Oriental Fruit Moth (OFM) (0 / 4)	
1.6	Lesser apple worm (LAW) (7 / 6)	
0.0	Grape berry moth (GBM) (1)	
7.1	Codling moth (CM) (27 / 30)	
13.3	Obliquebanded leafroller (RBLR) (40 / 66)	
0.0	Brown Marmorated Stink Bug (BMSB) (0 / 0) (light / pheromone)	

Significant observations

RLH adults in orchard
 PLH feeding damage observed
 Green apple aphid feeding on foliage and fruit
 Feeding obser of BMSB field adults on commercial pome fruit
 1st obser of BMSB eggs and nymphs on commercial grape

Predicted emergence

30 May	CM larval hatch prediction
2 June	PC DD from March 1 (1st gen larva 308 DD ₅₀)
1 June	SJS DD from March 1 (1st gen crawlers 500 DD ₅₀ from 1 March)
18 June	SJS DD from historical crawler emergence 688 DD ₅₀ +/- 69DD or 757DD ₅₀
17 June	OBLR larva emergence prediction (1st gen. 340 DD ₄₃ from 1 June)

Degree-day modeling

299.0	OBLR DD50 1st gen. from 1 June (1st gen. 340 DD50 from 1 June)
561.3	PC DD from March 1 (1st gen larva 308 DD50)
432.8	CM DD from sustained catch (1st gen larva 220 DD50)
729.8	SJS DD March 1 (crawler emergence 688 DD ₅₀ +/- 69DD (757DD ₅₀))

Rainfall

0.5"	Weekly Rainfall
0.5"	Total Rainfall from 1 June
14.7"	Total Rainfall from 1 March

6/27	43 F	50 F	# / trap / day
	1524.5	972.7	DD Accumulations 2011 (from 1 January)
Pheromone trap observations			
	0.4		Psylla eggs / lf (21 / - eggs / 50 leaves / 4 trees)
	0.2		Psylla nymph / fl (11 / - nymph / 50 leaves / 4 trees)
	68.5		Spotted Tentiform Leafminer (STLM) (487 / 472)
	3.0		Red Banded leafroller (RBLR) (42 / -)
	3.2		Oriental Fruit Moth (OFM) (13 / 32)
	0.2		Lesser apple worm (LAW) (1 / 2)
	0.0		Grape berry moth (GBM) (0)
	1.9		Codling moth (CM) (8 / 18)
	6.9		Obliquebanded leafroller (RBLR) (34 / 63)
	0.1		Apple maggot (AM) (0 / 2) 1st observation
	0.0		Brown Marmorated Stink Bug (BMSB) (0 / 0) (light / pheromone)
Significant observations			
			PLH adult & nymph feeding damage observed
			Green apple aphid feeding on foliage and fruit
			Leafroller feeding injury to fruit
Predicted emergence			
	17 June		OBLR larva emergence prediction (1st gen. 340 DD ₄₃ from 1 June)
Degree-day modeling			
	632.0		OBLR 1st gen. from 1 June (1st gen. 340 DD ₄₃ from 1 June)
Rainfall			
	2.67"		Weekly Rainfall
	5.47"		Total Rainfall from 1 June
	19.43""		Total Rainfall from 1 March

7/5	43 F 1741.5	50 F 1133.7	# / trap / day DD Accumulations 2011 (from 1 January)
			Pheromone trap observations
			0.4 Psylla eggs / lf (22 / - eggs / 50 leaves / 4 trees)
			0.1 Psylla nymph / fl (1 / - nymph / 50 leaves / 4 trees)
			63.2 Spotted Tentiform Leafminer (STLM) (474 / 411)
			3.0 Red Banded leafroller (RBLR) (42 / -)
			5.5 Oriental Fruit Moth (OFM) (13 / 32)
			0.1 Lesser apple worm (LAW) (0 / 2)
			0.0 Grape berry moth (GBM) (0)
			1.5 Codling moth (CM) (7 / 14)
			4.2 Obliquebanded leafroller (RBLR) (24 / 35)
			< 0.1 Apple maggot (AM) (0 / 1)
			0.0 Brown Marmorated Stink Bug (BMSB) (0 / 0) (light / pheromone)
			Significant observations
			PLH adult & nymph feeding damage observed
			Green apple aphid feeding on foliage and fruit
			Leafroller feeding injury to fruit
			Predicted emergence
			17 June OBLR larva emergence prediction (1st gen. 340 DD ₄₃ from 1 June)
			Degree-day modeling
			849.0 OBLR 1st gen. from 1 June (1st gen. 340 DD ₄₃ from 1 June)
			Rainfall
			0.01" Weekly Rainfall
			0.01" Total Rainfall from 1 July
			20.30" Total Rainfall from 1 March

	43 F	50 F	# / trap / day
7/11	1918.0	1268.2	DD Accumulations 2011 (from 1 January)
			Pheromone trap observations
			Psylla eggs / lf (5 / - eggs / 50 leaves / 4 trees)
			Psylla nymph / fl (0 / - nymph / 50 leaves / 4 trees)
			32.29 Spotted Tentiform Leafminer (STLM) (231/ 221)
			1.86 Red Banded leafroller (RBLR) (26/ 0)
			4.36 Oriental Fruit Moth (OFM) (22/ 39)
			0.5 Lesser apple worm (LAW) (1/ 6)
			0.0 Grape berry moth (GBM) (0)
			1.07 Codling moth (CM) (4/ 11)
			1.0 Obliquebanded leafroller (OBLR) (3/ 11)
			0.0 Apple maggot (AM) (0 / 0)
		0.0	Brown Marmorated Stink Bug (BMSB) (0 / 0) (light / pheromone)
			Significant observations
			PLH adult & nymph feeding damage observed
			Green apple aphid feeding on foliage and fruit
			Leafroller feeding injury to fruit
			Predicted emergence
		17 June	OBLR larva emergence prediction (1st gen. 340 DD ₄₃ from 1 June)
			Degree-day modeling
		957.4	OBLR 1st gen. from 1 June (1st gen. 340 DD ₄₃ from 1 June)
			Rainfall
		1.21"	Weekly Rainfall
		1.22"	Total Rainfall from 1 July
		21.51"	Total Rainfall from 1 March

7/18	43 F	50 F	# / trap / day
	2137.0	1438.7	DD Accumulations 2011 (from 1 January)
			Pheromone trap observations
			0.2 Psylla eggs / lf (11 / - eggs / 50 leaves / 4 trees)
			< 0.1 Psylla nymph / fl (1 / - nymph / 50 leaves / 4 trees)
			24.4 Spotted Tentiform Leafminer (STLM) (139/203)
			0.9 Red Banded leafroller (RBLR) (12/ 0)
			3.1 Oriental Fruit Moth (OFM) (18/27)
			0.6 Lesser apple worm (LAW) (2/ 7)
			0.0 Grape berry moth (GBM) (0)
			1.9 Codling moth (CM) (10/ 16) 2nd gen. flt.
			0.5 Obliquebanded leafroller (OBLR) (1/ 6)
			0.0 Apple maggot (AM) (0 / 0)
			0.0 Brown Marmorated Stink Bug (BMSB) (1 / 0) (lgt / phero.)
			Significant observations
			PLH adult & nymph feeding damage observed
			Predicted emergence
			17 July CM larva emergence prediction (1260DD ₅₀ from biofix)
			Degree-day modeling
			1176.4 OBLR 1st gen. from 1 June (1st gen. 340 DD ₄₃ from 1 June)
			Rainfall
			0.2" Weekly Rainfall
			1.4" Total Rainfall from 1 July
			21.7" Total Rainfall from 1 March

	43 F	50 F	# / trap / day
7/25	2399.0	1651.2	DD Accumulations 2011 (from 1 January)
			Pheromone trap observations
	> 500.0		Psylla rust mite / lf (>500 / leaf / of 50 lvs from 2 trees)
	0.0		Psylla eggs / lf (0 / - eggs / 50 leaves / 4 trees)
	< 0.1		Psylla nymph / fl (0 / - nymph / 50 leaves / 4 trees)
	39.0		Spotted Tentiform Leafminer (STLM) (248 / 298)
	0.6		Red Banded leafroller (RBLR) (2 / 6)
	3.8		Oriental Fruit Moth (OFM) (39 / 14)
	1.6		Lesser apple worm (LAW) (7 / 15)
	0.0		Grape berry moth (GBM) (0)
	2.7		Codling moth (CM) (24 / 14)
	0.2		Obliquebanded leafroller (OBLR) (0 / 3)
	0.4		Apple maggot (AM) (2 / 4)
	0.0		Brown Marmorated Stink Bug (BMSB) (0 / 0) (lgt / phero.)
			Significant observations
			Observed ERM populations increasing on commercial farms
			Predicted emergence
	11 July		2 nd gen. CM larva emergence prediction
			Rainfall
	0.0"		Weekly Rainfall
	1.4"		Total Rainfall from 1 July
	21.7"		Total Rainfall from 1 March

	43 F	50 F	# / trap / day
8/1	2611.5	1814.7	DD Accumulations 2011 (from 1 January)
			Pheromone trap observations
			1088.0 Psylla rust mite / lf (1088.0/ leaf / of 25 lvs from 2 trees)
			0.1 Psylla eggs / lf (3 eggs / 25 leaves / 2 trees)
			0.1 Psylla nymph / fl (3 nymph / 25 leaves / 2 trees)
			19.5 Spotted Tentiform Leafminer (STLM) (122 / 151)
			< 0.1 Red Banded leafroller (RBLR) (0 / 1)
			0.4 Oriental Fruit Moth (OFM) (2 / 4)
			3.0 Lesser apple worm (LAW) (30 / 12)
			0.0 Grape berry moth (GBM) (0)
			1.3 Codling moth (CM) (14 / 4)
			0.1 Obliquebanded leafroller (OBLR) (0 / 2)
			0.0 Tufted apple bud moth (TABM) (0 / 0)
			0.0 Varigated leafroller (VLR) (0 / 0)
			0.6 Apple maggot (AM) (2 / 7)
			6 Brown Marmorated Stink Bug (BMSB) Fishkill, NY (6) (light)

Significant observations

Observed PRM populations increasing pear foliage

Predicted emergence

11 July 2nd gen. CM larva emergence prediction

Rainfall

0.8" Weekly Rainfall

2.2" Total Rainfall from 1 July

22.5" Total Rainfall from 1 March

8/15 43 F 50 F
 3044.3 2142.1

/ trap / day

DD Accumulations 2011 (from 1 January)

Pheromone trap observations

298.0 Psylla rust mite / lf (298/ leaf / of 100 lvs from 4 trees)
0.0 Psylla eggs / lf (0 eggs / 25 leaves / 4 trees)
0.0 Psylla nymph / fl (0 nymph / 25 leaves / 4 trees)

25.2 Spotted Tentiform Leafminer (STLM) (141 / 212)
1.3 Red Banded leafroller (RBLR) (12 / 6)
2.5 Oriental Fruit Moth (OFM) (31 / 4)
0.6 Lesser apple worm (LAW) (0 / 8)
0.0 Grape berry moth (GBM) (0)
2.3 Codling moth (CM) (18 / 14)
0.2 Obliquebanded leafroller (OBLR) (1 / 3)
0.0 Tufted apple bud moth (TABM) (0 / 0)
0.0 Varigated leafroller (VLR) (0 / 0)
1.7 Apple maggot (AM) (14 / 10)
1.0 Brown Marmorated Stink Bug (BMSB) (0) **scouting**

Rainfall

0.8" Weekly Rainfall
3.1" Total Rainfall from 1 August
25.7" Total Rainfall from 1 March

	43 F	50 F	# / trap / day
8/22	3209.0	2265.2	DD Accumulations 2011 (from 1 January)
			Pheromone trap observations
			12.4 Spotted Tentiform Leafminer (STLM) (59 / 114)
			6.5 Red Banded leafroller (RBLR) (47 / 44)
			4.1 Oriental Fruit Moth (OFM) (31 / 26)
			0.9 Lesser apple worm (LAW) (2 / 10)
			0.0 Grape berry moth (GBM) (0)
			0.6 Codling moth (CM) (6 / 3)
			0.2 Obliquebanded leafroller (OBLR) (1 / 2)
			4.3 Apple maggot (AM) (28 / 32)
			0.0 Brown Marmorated Stink Bug (BMSB) (0) scouting
			Significant observations
			AM adults observed increasing in baited red sticky spheres
			OBLR peak flight observed
			OFM adult 3 rd generation flight increasing
			RBLR adult 3 rd generation high flight numbers observed
			Predicted emergence
			15 August 2 nd gen. OBLR larva emergence prediction (8/1 flt.)
			Rainfall
			1.28" Weekly Rainfall
			6.2" Total Rainfall from 1 August
			28.72" Total Rainfall from 1 March

8/29	43 F	50 F	# / trap / day
	3392.5	2399.7	DD Accumulations 2011 (from 1 January)
			Pheromone trap observations
			10.9 Spotted Tentiform Leafminer (STLM) (63 / 90)
			4.6 Red Banded leafroller (RBLR) (24 / 41)
			2.9 Oriental Fruit Moth (OFM) (20 / 20)
			1.5 Lesser apple worm (LAW) (2 / 19)
			0.0 Grape berry moth (GBM) (0)
			1.5 Codling moth (CM) (3 / 1)
			0.5 Obliquebanded leafroller (OBLR) (4 / 3)
			0.9 Apple maggot (AM) (8 / 4)
			0.0 Brown Marmorated Stink Bug (BMSB) (0) scouting
			Significant observations
			AM adults observed decreasing in baited red sticky spheres
			OBLR decreasing in pheromone as peak flight observed on 8/15
			OFM adult 3 rd generation flight decreasing; peak flight observed on 8/22
			RBLR adult 3 rd generation flight decreasing; peak flight on 8/22
			Predicted emergence
			15 August 2 nd gen. OBLR larva emergence prediction (8/1 flt.)
			Rainfall
			7.59" Weekly Rainfall (5.87 in 12 hours on 8/27)
			13.74" Total Rainfall from 1 August
			36.31" Total Rainfall from 1 March