

# 2019 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>	<u>43 F</u>		
3/19	54.2	20.6		Beginning degree day accumulations beginning 1 January, 2019 0.0 Spotted Green Fruitworm (SGFW) (0/0) 0.5 Redbanded Leafroller (RBLR) (0/1) FIRST CATCH 0.0 Spotted Tentiform Leafminer (STLM) (0/0) 0.0 Lesser Appleworm (LAW) 0.0 Oriental Fruit Moth (OFM) 0.0 Pear Psylla 0 Eggs/25 Buds 0.11 Weekly Rainfall 0.73 Total Rainfall (Since 1 March, 2019)
3/25	61.3	22.4		Beginning degree day accumulations beginning 1 January, 2019 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 Lesser Appleworm (LAW) 0.0 Oriental Fruit Moth (OFM) 0.04 Pear Psylla 1 Egg/25 Buds FIRST CATCH 1.01 Weekly Rainfall 1.74 Total Rainfall (Since 1 March, 2019)
4/1	62.9	33.5		Beginning degree day accumulations beginning 1 January, 2019 0.1 Spotted Green Fruitworm (SGFW) (0/2) FIRST CATCH 0.2 Redbanded Leafroller (RBLR) (3/0) 0.0 Spotted Tentiform Leafminer (STLM) (0/0) 0.0 Lesser Appleworm (LAW) 0.0 Oriental Fruit Moth (OFM) 0.04 Pear Psylla 1 Egg/25 Buds FIRST SUSTAINED CATCH Mid-silver tip in Empire and Zestar Some green tissue visible on Jersey Mac and Zestar 0.27 Weekly Rainfall 2.01 Total Rainfall (Since 1 March, 2019)

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	<u>DD Accumulations (previous day NEWA)</u>			
	<b>43 F</b>	<b>50 F</b>		
4/8	121.2	47.6		Beginning degree day accumulations beginning 1 January, 2019
			0.0	Spotted Green Fruitworm (SGFW) (0/0)
			1.6	Redbanded Leafroller (RBLR) (17/5) FIRST SUSTAINED CATCH
			0.0	Spotted Tentiform Leafminer (STLM) (0/0)
			0.0	Lesser Appleworm (LAW)
			0.0	Oriental Fruit Moth (OFM)
			0.2	Pear Psylla 6 Eggs/25 Buds
				Phenology:
				Empire 71% ½" green
				Zestar 70% green tip
				Jersey Mac 57% green tip
				Honeycrisp 58% silver tip
				Ginger Gold 40% silver tip, 40% green tip
				Red Delicious (Red Chief) 47% silver tip
				McIntosh (Red Max) 50% silver tip
			0.79	Weekly Rainfall
			2.46	Total Rainfall (Since 1 March, 2019)
4/15	196.4	88.6		Beginning degree day accumulations beginning 1 January, 2019
			0.0	Spotted Green Fruitworm (SGFW) (0/0)
			5.8	Redbanded Leafroller (RBLR) (49/32)
			0.0	Spotted Tentiform Leafminer (STLM) (5/6) FIRST CATCH
			0.0	Lesser Appleworm (LAW) (0/0)
			0.1	Oriental Fruit Moth (OFM) (0/1) FIRST CATCH
			1.2	Pear Psylla 29 Eggs/25 Buds
				Phenology:
				Ginger Gold 54% tight cluster
				Red Delicious (Red Chief) 54% ½" green
				McIntosh (Red Max) 55% ½" green
				Smoothie 56% tight cluster
			1.07	Weekly Rainfall
			3.53	Total Rainfall (Since 1 March, 2019)

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	<u>DD Accumulations (previous day NEWA)</u>	<u>DD Accumulations (previous day NEWA)</u>		
	<b>43 F</b>	<b>50 F</b>		
4/22	282.3	134.3		Beginning degree day accumulations beginning 1 January, 2019
			0.0	Spotted Green Fruitworm (SGFW) (0/0)
			9.1	Redbanded Leafroller (RBLR) (19/109)
			7.3	Spotted Tentiform Leafminer (STLM) (51/51) FIRST SUSTAINED CATCH
			0.0	Lesser Appleworm (LAW) (0/0)
			0.0	Oriental Fruit Moth (OFM) (0/0)
			0.1	Black Stem Borer (BSB)(adults in trap) (1/1) FIRST CATCH
			8.72	Pear Psylla 218 Eggs/25 Buds
			0.04	Pear Psylla 1 Nymph/ 25 Buds FIRST CATCH
				Phenology:
				Apples
				Empire 89.7% pink
				Zestar 90.3% pink
				Jersey Mac 83% tight cluster
				Honeycrisp 55% pink
				Brookfield Gala 75% tight cluster
				Red Delicious (Red Chief) 76% tight cluster
				McIntosh (Red Max) 72% pink
				Ginger Gold 74% pink
				Smoothie 93% tight cluster
				Pears
				Bartlett 86% green cluster
				Bosc 85% green cluster
				Cherry
				Black Pearl 98% bloom
				Ebony Pearl 73% bloom
				Regina 51% early white
				Peach
				Early 73% bloom
				Late 79% bloom
			1.34	Weekly Rainfall
			4.83	Total Rainfall (Since 1 March, 2019)

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	<u>DD Accumulations (previous day NEWA)</u>	<u>DD Accumulations (previous day NEWA)</u>		
	<b>43 F</b>	<b>50 F</b>		
4/29	356.1	172.0		Beginning degree day accumulations beginning 1 January, 2019
			0.0	Spotted Green Fruitworm (SGFW) (0/0)
			8.2	Redbanded Leafroller (RBLR) (35/80)
			7.4	Spotted Tentiform Leafminer (STLM) (46/57)
			0.0	Lesser Appleworm (LAW) (0/0)
			3.1	Oriental Fruit Moth (OFM) (7/36)
			0.3	Black Stem Borer (BSB)(adults in trap) (3/1) FIRST SUSTAINED CATCH
			0.0	Brown Marmorated Stink Bug (BMSB) (0/0)
			2.2	Pear Psylla 54 Eggs/25 Leaves
			1.8	Pear Psylla 45 Nymph/ 25 Leaves FIRST SUSTAINED CATCH
				Phenology:
				Apples
				Empire 55.6% bloom
				Zestar 70.0% bloom
				Jersey Mac 59.5% bloom
				Honeycrisp 52.3% king bloom
				Gala 69.0% pink
				Red Delicious (Red Chief) 80% pink
				McIntosh (Red Max) 37% bloom
				Ginger Gold 43.0% bloom
				Smoothie 93.8% pink
				Pears
				Bartlett 69.2% bloom
				Bosc 73% bloom
				Cherry
				Black Pearl 83% petal fall
				Ebony Pearl 74.5% bloom
				Regina 85.6% bloom
				Peach
				Early 100% petal fall
				Late 87.2% petal fall
			1.18*	Weekly Rainfall
			6.01*	Total Rainfall (Since 1 March, 2019)
				*weather station indicates incomplete data