

Spotted wing drosophila in western NY - 2019 trapping update

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Obligatory introduction

We all know who this is by now, right?



More Info:

<http://fruit.cornell.edu/spottedwing/>

<http://blogs.cornell.edu/swd1/>

2019 trapline update

Scentry traps and lures

“interior” trap and “hedgerow” trap

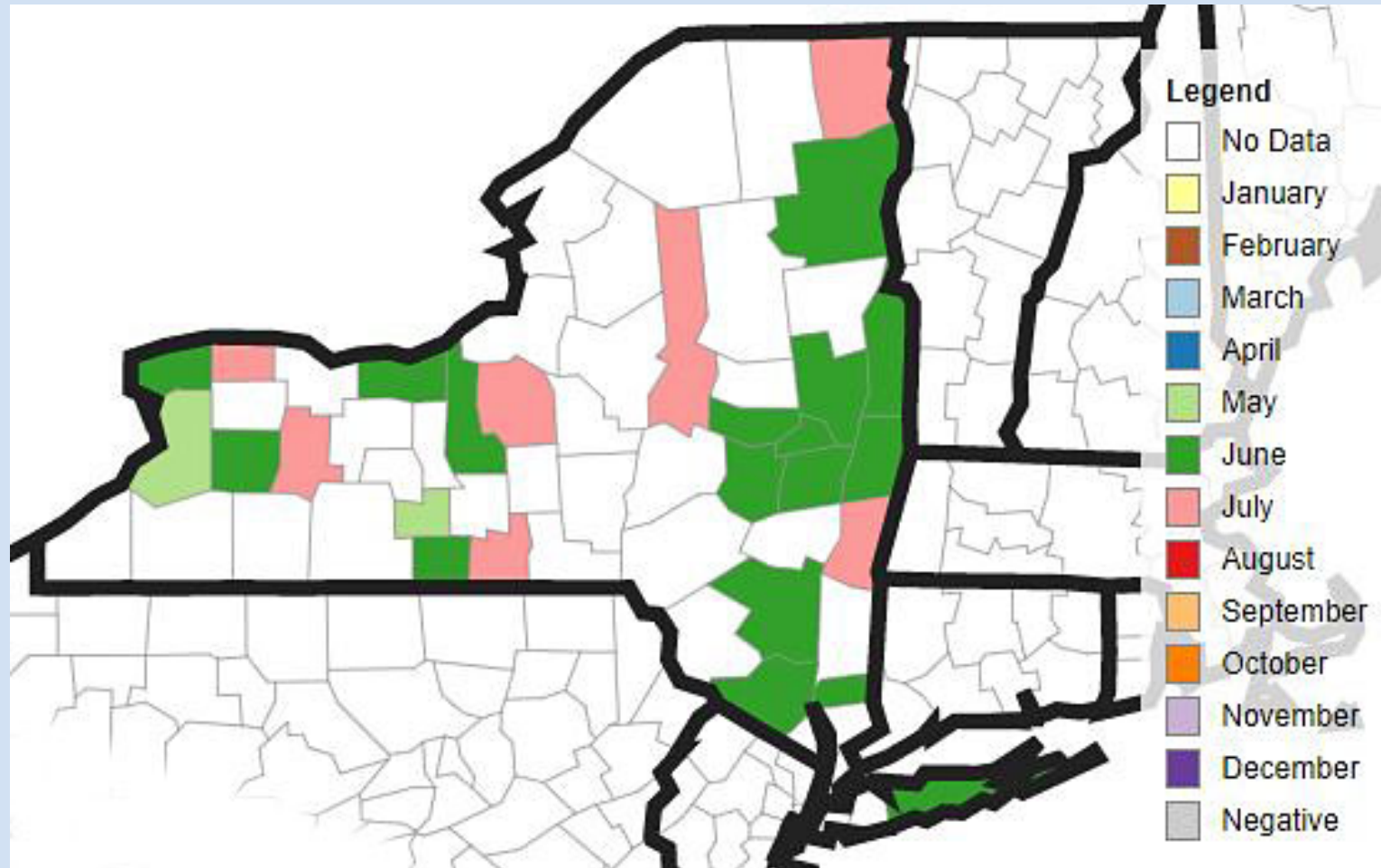
Crops: raspberries and blueberries

Traps checked weekly from May – August

Traps removed following “sustained trap catch”
(= 2 consecutive weeks of trapping)



2019 trapline update



Distribution Map - month of sustained trap catch

2019 trapline update

SWD 2019

Location	Trap Crop	1st Catch	Sustained Catch
Niagara	Red Raspberry	25-Jun	2-Jul
Wayne	Red Raspberry	5-Jun	9-Jul
Niagara	Blueberry	9-Jul	16-Jul
Orleans	Blueberry	9-Jul	29-Jul
Orleans	Red Raspberry	22-Jul	29-Jul
Wayne	Blueberry	27-Jul	30-Aug

Comparison with previous years

	12-Jun	19-Jun	26-Jun	3-Jul	10-Jul	17-Jul	24-Jul	31-Jul	7-Aug	14-Aug	21-Aug	28-Aug
2013 Males	0.00	0.00	0.00	0.00	0.00	0.00	0.22	1.15	0.90	2.04	2.80	0.43
Females	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.76	0.79	1.28	1.85	1.14
2014 Males	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.00	1.64	1.75	2.13	0.67
Females	0.00	0.00	0.00	0.00	0.00	0.14	0.44	0.13	1.64	2.00	1.25	2.17
2015 Males	0.00	0.00	0.00	0.56	0.29	1.14	1.60	4.40	1.25	1.50	4.50	
Females	0.00	0.11	0.13	0.00	0.86	0.86	3.60	9.00	2.25	6.50	29.00	
2016 Males	0.00	0.00	0.17	0.17	0.00	2.75	0.50	2.50				
Females	0.00	0.33	0.67	1.33	0.00	3.00	5.50	13.00				
2017 Males	0.00	0.25	0.60	0.60	0.00	0.00						
Females	0.00	1.50	0.40	4.40	0.50	5.00						
2018 Males	0.00	0.00	0.00	0.00	0.00	0.67	0.25	0.00	5.00		54.00	
Females	0.00	0.00	0.00	0.00	0.67	1.67	0.25	1.00	10.00		41.50	
2019 Males	0.00	0.00	0.00	0.13	0.25	0.50	3.00	0.75	2.75			
Females	0.00	0.00	0.13	0.13	0.13	0.67	5.83	4.25	7.75			
	12-Jun	19-Jun	26-Jun	3-Jul	10-Jul	17-Jul	24-Jul	31-Jul	7-Aug	14-Aug	21-Aug	28-Aug

~ strawberry harvest

	12-Jun	19-Jun	26-Jun	3-Jul	10-Jul	17-Jul	24-Jul	31-Jul	7-Aug	14-Aug	21-Aug	28-Aug
2013 Males	0.00	0.00	0.00	0.00	0.00	0.00	0.22	1.15	0.90	2.04	2.80	0.43
Females	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.76	0.79	1.28	1.85	1.14
2014 Males	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.00	1.64	1.75	2.13	0.67
Females	0.00	0.00	0.00	0.00	0.00	0.14	0.44	0.13	1.64	2.00	1.25	2.17
2015 Males	0.00	0.00	0.00	0.56	0.29	1.14	1.60	4.40	1.25	1.50	4.50	
Females	0.00	0.11	0.13	0.00	0.86	0.86	3.60	9.00	2.25	6.50	29.00	
2016 Males	0.00	0.00	0.17	0.17	0.00	2.75	0.50	2.50				
Females	0.00	0.33	0.67	1.33	0.00	3.00	5.50	13.00				
2017 Males	0.00	0.25	0.60	0.60	0.00	0.00						
Females	0.00	1.50	0.40	4.40	0.50	5.00						
2018 Males	0.00	0.00	0.00	0.00	0.00	0.67	0.25	0.00	5.00		54.00	
Females	0.00	0.00	0.00	0.00	0.67	1.67	0.25	1.00	10.00		41.50	
2019 Males	0.00	0.00	0.00	0.13	0.25	0.50	3.00	0.75	2.75			
Females	0.00	0.00	0.13	0.13	0.13	0.67	5.83	4.25	7.75			
	12-Jun	19-Jun	26-Jun	3-Jul	10-Jul	17-Jul	24-Jul	31-Jul	7-Aug	14-Aug	21-Aug	28-Aug

~ sweet cherry harvest

	12-Jun	19-Jun	26-Jun	3-Jul	10-Jul	17-Jul	24-Jul	31-Jul	7-Aug	14-Aug	21-Aug	28-Aug
2013 Males	0.00	0.00	0.00	0.00	0.00	0.00	0.22	1.15	0.90	2.04	2.80	0.43
Females	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.76	0.79	1.28	1.85	1.14
2014 Males	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.00	1.64	1.75	2.13	0.67
Females	0.00	0.00	0.00	0.00	0.00	0.14	0.44	0.13	1.64	2.00	1.25	2.17
2015 Males	0.00	0.00	0.00	0.56	0.29	1.14	1.60	4.40	1.25	1.50	4.50	
Females	0.00	0.11	0.13	0.00	0.36	0.86	3.60	9.00	2.25	6.50	29.00	
2016 Males	0.00	0.00	0.17	0.17	0.00	2.75	0.50	2.50				
Females	0.00	0.33	0.67	1.33	0.00	3.00	5.50	13.00				
2017 Males	0.00	0.25	0.60	0.60	0.00	0.00						
Females	0.00	1.50	0.40	4.40	0.50	5.00						
2018 Males	0.00	0.00	0.00	0.00	0.00	0.67	0.25	0.00	5.00		54.00	
Females	0.00	0.00	0.00	0.00	0.67	1.67	0.25	1.00	10.00		41.50	
2019 Males	0.00	0.00	0.00	0.13	0.25	0.50	3.00	0.75	2.75			
Females	0.00	0.00	0.13	0.13	0.13	0.67	5.83	4.25	7.75			
	12-Jun	19-Jun	26-Jun	3-Jul	10-Jul	17-Jul	24-Jul	31-Jul	7-Aug	14-Aug	21-Aug	28-Aug

~ tart cherry harvest

	12-Jun	19-Jun	26-Jun	3-Jul	10-Jul	17-Jul	24-Jul	31-Jul	7-Aug	14-Aug	21-Aug	28-Aug
2013 Males	0.00	0.00	0.00	0.00	0.00	0.00	0.22	1.15	0.90	2.04	2.80	0.43
Females	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.76	0.79	1.28	1.85	1.14
2014 Males	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.00	1.64	1.75	2.13	0.67
Females	0.00	0.00	0.00	0.00	0.00	0.14	0.44	0.13	1.64	2.00	1.25	2.17
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2018 Males	0.00	0.00	0.00	0.00	0.00	0.67	0.25	0.00	5.00		54.00	
Females	0.00	0.00	0.00	0.00	0.67	1.67	0.25	1.00	10.00		41.50	
2019 Males	0.00	0.00	0.00	0.13	0.25	0.50	3.00	0.75	2.75			
Females	0.00	0.00	0.13	0.13	0.13	0.67	5.83	4.25	7.75			
	12-Jun	19-Jun	26-Jun	3-Jul	10-Jul	17-Jul	24-Jul	31-Jul	7-Aug	14-Aug	21-Aug	28-Aug

~ blueberry harvest

	12-Jun	19-Jun	26-Jun	3-Jul	10-Jul	17-Jul	24-Jul	31-Jul	7-Aug	14-Aug	21-Aug	28-Aug
2013 Males	0.00	0.00	0.00	0.00	0.00	0.00	0.22	1.15	0.90	2.04	2.80	0.43
Females	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.76	0.79	1.28	1.85	1.14
2014 Males	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.00	1.64	1.75	2.13	0.67
Females	0.00	0.00	0.00	0.00	0.00	0.14	0.44	0.13	1.64	2.00	1.25	2.17
2015 Males	0.00	0.00	0.00	0.56	0.29	1.14	1.60	4.40	1.25	1.50	4.50	
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2018 Males	0.00	0.00	0.00	0.00	0.00	0.67	0.25	0.00	5.00		54.00	
Females	0.00	0.00	0.00	0.00	0.67	1.67	0.25	1.00	10.00		41.50	
2019 Males	0.00	0.00	0.00	0.13	0.25	0.50	3.00	0.75	2.75			
Females	0.00	0.00	0.13	0.13	0.13	0.67	5.83	4.25	7.75			
	12-Jun	19-Jun	26-Jun	3-Jul	10-Jul	17-Jul	24-Jul	31-Jul	7-Aug	14-Aug	21-Aug	28-Aug

~ raspberry harvest

	12-Jun	19-Jun	26-Jun	3-Jul	10-Jul	17-Jul	24-Jul	31-Jul	7-Aug	14-Aug	21-Aug	28-Aug
2013 Males	0.00	0.00	0.00	0.00	0.00	0.00	0.22	1.15	0.90	2.04	2.80	0.43
2013 Females	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.76	0.79	1.28	1.85	1.14
2014 Males	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.00	1.64	1.75	2.13	0.67
2014 Females	0.00	0.00	0.00	0.00	0.00	0.14	0.44	0.13	1.64	2.00	1.25	2.17
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2016 Males	0.00	0.00	0.17	0.17	0.00	2.75	0.50	2.50				
2016 Females	0.00	0.33	0.67	1.33	0.00	3.00	5.50	13.00				
2017 Males	0.00	0.25	0.60	0.60	0.00	0.00						
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2018 Males	0.00	0.00	0.00	0.00	0.00	0.67	0.25	0.00	5.00		54.00	
2018 Females	0.00	0.00	0.00	0.00	0.67	1.67	0.25	1.00	10.00		41.50	
2019 Males	0.00	0.00	0.00	0.13	0.25	0.50	3.00	0.75	2.75			
2019 Females	0.00	0.00	0.13	0.13	0.13	0.67	5.83	4.25	7.75			
	12-Jun	19-Jun	26-Jun	3-Jul	10-Jul	17-Jul	24-Jul	31-Jul	7-Aug	14-Aug	21-Aug	28-Aug

Looking ahead

Likely to continue to overlap (strawberries?)

Will SWD populations stabilize w/ natural enemies?

For now, continue tight “disease-style” spray schedules

Thank you for your time!

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