

Non-Crop Host Sampling Yields Insights into Small-Scale Population Dynamics of *Drosophila suzukii* (Matsumura)

Supplemental Materials:

Table S1. Yearly mean infestation rate (*D. suzukii* per gram fruit $\pm$ SE) of all plants sampled in 2013.

Scientific name	Host	No. samples	Infestation rate
	Common name		
<i>Prunus serotina</i>	Black cherry	8	0.007 $\pm$ 0.007
<i>Prunus virginiana</i>	Choke cherry	23	0.003 $\pm$ 0.002
<i>Cornus racemosa</i>	Gray dogwood	45	0.321 $\pm$ 0.087
<i>Rubus idaeus</i>	Red raspberry	11	0.004 $\pm$ 0.004
<i>Viburnum opulus</i>	European cranberrybush	55	0

Table S2. Monthly break down of hosts only collected in 2013.

Month	Host species	Number of samples	Percentage of samples infested	Infestation rate $\pm$ SE (flies/kg fruit)
		2013	2013	2013
July	<i>R. idaeus</i>	11	9.1	3.8 $\pm$ 3.8
	<i>P. virginiana</i>	7	0	0 $\pm$ 0
	<i>C. racemosa</i>	4	0	0 $\pm$ 0
August	<i>C. racemosa</i>	22	22.7	60.4 $\pm$ 44.3
	<i>P. serotina</i>	5	20	11.9 $\pm$ 11.9
	<i>P. virginiana</i>	16	12.5	3.8 $\pm$ 2.6
September	<i>C. racemosa</i>	21	81	553.1 $\pm$ 164.5
	<i>P. serotina</i>	3	0	0 $\pm$ 0
	<i>V. opulus</i>	10	0	0 $\pm$ 0
October	<i>C. racemosa</i>	3	100	505.9 $\pm$ 160.8
	<i>V. opulus</i>	27	0	0 $\pm$ 0
November	<i>V. opulus</i>	18	0	0 $\pm$ 0

Table S3. Climate data showing actual and historical average temperatures and snowfall. Monthly weather averages for Geneva, NY from Nov 2012 to December 2014. All temperatures are in $^{\circ}$ F, and precipitation is reported in inches.

Month	Year	Mean high temperature	Historical average high temp	Mean low temperature	Historical average low temp	Total precipitation	Typical monthly precipitation	Snowfall total	Typical monthly snowfall total
November	2012	44.6	47	30.8	33	0.81	2.87	0	4
December	2012	41.6	36	27.5	22	4.59	2.2	20.71	11
January	2013	34.9	31	20	16	0.96	1.69	5.95	14
February	2013	31.5	33	17.9	17	1.78	1.5	15.12	11
March	2013	37.7	41	25.6	25	0.57	2.36	3.74	12
April	2013	55.2	55	34.4	36	3.15	2.83	0.12	2
May	2013	70.6	67	48.1	47	3.84	3.07	0	0
June	2013	74.4	76	57.2	56	5.8	3.66	0	0
July	2013	80.6	80	63.2	61	4.68	3.46	0	0

August	2013	77.3	78	58.1	59	4.05	3.03	0	0
September	2013	70.3	71	49.3	52	1.85	3.46	0	0
October	2013	61.9	59	43.9	41	3.35	3.35	0	0
November	2013	44.1	47	28	33	3.49	2.87	9.21	4
December	2013	35.1	36	17.4	22	2.55	2.2	12.51	11
January	2014	26.8	31	9.4	16	0.96	1.69	12.96	14
February	2014	27.9	33	10.6	17	1.83	1.5	19.56	11
March	2014	34	41	14.7	25	0.5	2.36	18.74	12
April	2014	55.2	55	33.5	36	2.75	2.83	1.22	2
May	2014	67.9	67	48.6	47	4.94	3.07	0	0
June	2014	76.9	76	57.2	56	3.86	3.66	0	0
July	2014	75.7	80	57.1	61	7.31	3.46	0	0
August	2014	75.7	78	57.2	59	3.57	3.03	0	0
September	2014	72.2	71	50.3	52	1.33	3.46	0	0
October	2014	61.3	59	45.2	41	2.79	3.35	0	0
November	2014	42.5	47	29.4	33	1.79	2.87	7.92	4
December	2014	36.8	36	26.5	22	1.81	2.2	14.07	11



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