



Spotted Wing Drosophila (SWD) Monitoring Report for South Western British Columbia, Berry Crops (Coast)

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On Sept 26, 2014, the area wide monitoring for SWD, in regards to this project, was finished. SWD is present in all regions of the Fraser Valley and southern Vancouver Island.

The numbers of SWD in traps remain high and are expected to be until they naturally decrease mid winter (late January).

Winter crop practices to decrease risk in 2015:

FIELD CLEANUP

1. Pruning, Trellising, Tying

- a. Allows equipment to pass easily through fields, and
- b. Enables good/even coverage of sprays

2. Alternate Host Management

- a. Now is an ideal time to manage alternative and wild reservoirs of SWD, such as Himalayan blackberry, that are near to fields. Be sure to follow the label and respect required buffers to ditches and water bodies.



SWD Trap set up and location details: Contech Fruit Fly Traps, baited with apple cider vinegar, are set up in strawberry, raspberry and blueberry fields from Delta to Chilliwack. There are 4 traps per field, 2 within 3 m of the field edge, and 2 traps at least 50 steps into the field. All traps are at least 40 m apart. In total, there are 176 traps in this project (Table 1).

Table 1. Description of trap locations for Area-wide trapping in berry crops in south western B.C.

Crop	# Regions	# Fields	#Traps/field	Total # traps / crop
Strawberry	3	6	4	24
Raspberry	3	10	4	40
Blueberry	10	28	4	112
TOTAL traps for all berry crops				176

Traps are checked once per week and SWD fly numbers are presented in Table 2.

For a summary of most of the trap catches in British Columbia and the Pacific Northwest, see [Small Fruit Update](#)

For information on Management, see: [Guidelines for SWD Management in BC Berry Crops](#)

See [Spotted Wing Drosophila Fruit Fly - Pest Alert](#) for more information on this pest.



Growing Forward 2

A federal-provincial-territorial initiative

Table 2. Total number of SWD caught in traps in each region during weekly trapping periods.

Strawberry	Region	Trapping period 2014											
		July				August					September		
		4 - 11	11 - 18	18 - 25	25 - 1	1 - 8	8 - 15	15 - 22	22 - 29	29 - 5	5 - 12	12 - 19	19 - 26
Delta	0	6	2	4	0	2	2	3	No Data	No Data	No Data	No Data	
Langely	0	1	0	0	1	4	5	0	54	113	128	36	
Abbotsford	0	0	0	0	0	6	18	81	56	46	18	16	

Raspberry	Region	Trapping period 2014												
		May		June				July				August		
		23 - 30	30 - 6	6 - 13	13 - 20	20 - 27	27 - 4	4 - 11	11 - 18	18 - 25	25 - 1	1 - 8	8 - 15	15 - 22
Delta	0	0	0	0	0	0	0	0	0	4	5	10	43	Trapping
Langely	0	1	0	0	1	1	4	22	54	15	31	311	has	
Abbotsford	0	0	1	2	2	0	1	2	29	29	141	399	ended	

Blueberry	Region	Trapping period 2014											
		July				August					September		
		4 - 11	11 - 18	18 - 25	25 - 1	1 - 8	8 - 15	15 - 22	22 - 29	29 - 5	5 - 12	12 - 19	19 - 26
Richmond	0	1	5	7	4	9	13	85	No Data	153	197	321	
Ladner	4	8	19	7	50	11	0	21	No Data	101	171	77	
East Delta	1	3	11	11	3	21	20	97	No Data	295	821	263	
Surrey	2	15	42	28	43	34	84	133	379	788	1728	233	
Langley	0	0	6	4	11	32	16	76	200	1025	254	91	
Abbotsford	0	4	11	4	2	17	97	463	1170	1021	677	382	
Matsqui	2	5	30	26	4	13	38	83	No Data	2487	4750	639	
Pitt Meadow	7	16	41	15	10	15	85	74	274	602	635	163	
Maple Ridge	0	1	18	10	13	19	41	185	No Data	No Data	No Data	No Data	
Chilliwack	1	1	1	4	3	5	37	61	No Data	3553	2863	707	