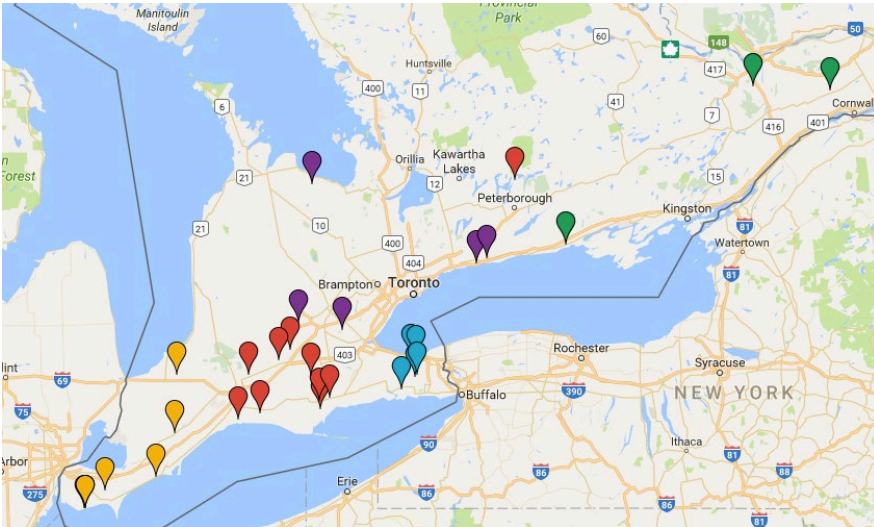


Ontario SWD report 2016 (P. Fisher, H. Fraser, D. Beaton, C. Wyville, E. Hanna, K. Schooley)



Type of trap: ACV , or ACV plus ethanol. **Trap locations:** 30 sites, 3-5 traps per site. Mostly berry crops and wild hosts

In Ontario, OMAFRA collaborates with the Ontario Berry Growers Association to conduct a regional monitoring program for SWD. Every year, trap captures are earlier, and numbers seem to be higher. We are using a home-made traps aprox 1 L, with ventilation on the side of the trap, and an apple-cider vinegar, or ACV plus ethanol bait. By placing some traps in wild hosts at nearly every farm, we are trapping SWD in time for growers to react.

- High pressure in 2016, despite very and hot dry weather.
- Trap captures in 2016 similar in pattern to previous years. Damage can be detected in wild hosts around the time of first trap capture, but commercially noticed damage is usually closer to 10 flies/trap .
- In some blueberry fields, about 30% of the crop was left behind as growers shut down their pick-your-own early. With few short day phi product, blueberry growers really struggle with control.
- In day neutral strawberries, losses were high in some weeks of August, in spite of weekly spray programs.
- Fall bearing raspberry growers manage SWD with a combination of weekly sprays and a 1-2 day picking schedule.

Approximately 3 growers in Ontario are using exclusion netting to keep SWD out of small acre plots; both trap captures and crop injury are much lower inside the exclusion structures.

Figure 1: SWD trap captures 2011-2016

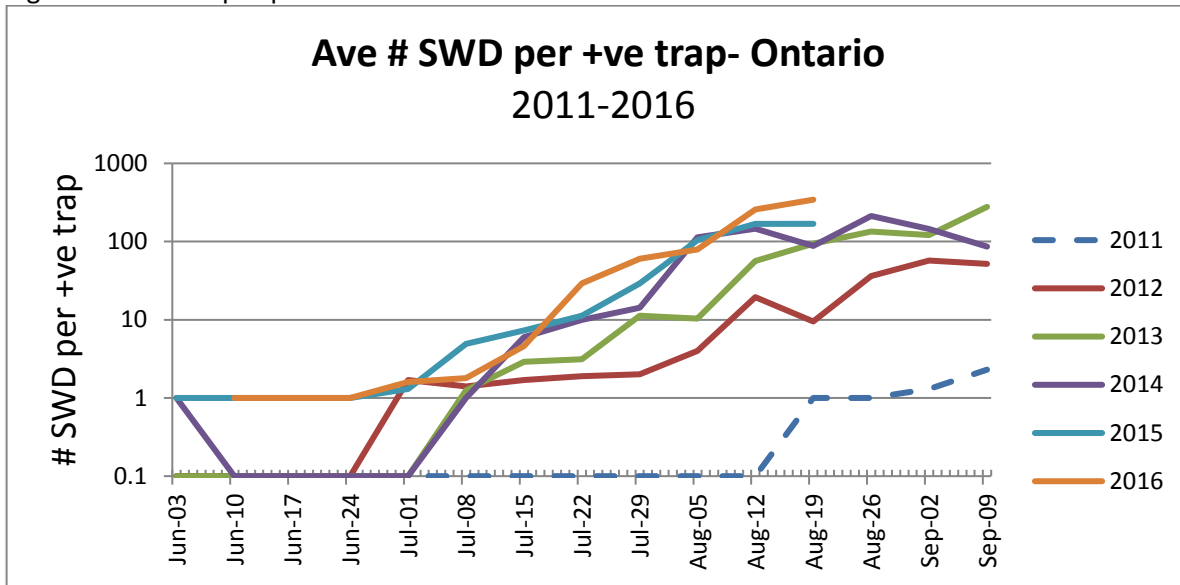


Figure #2: SWD trap captures 2016 – by region

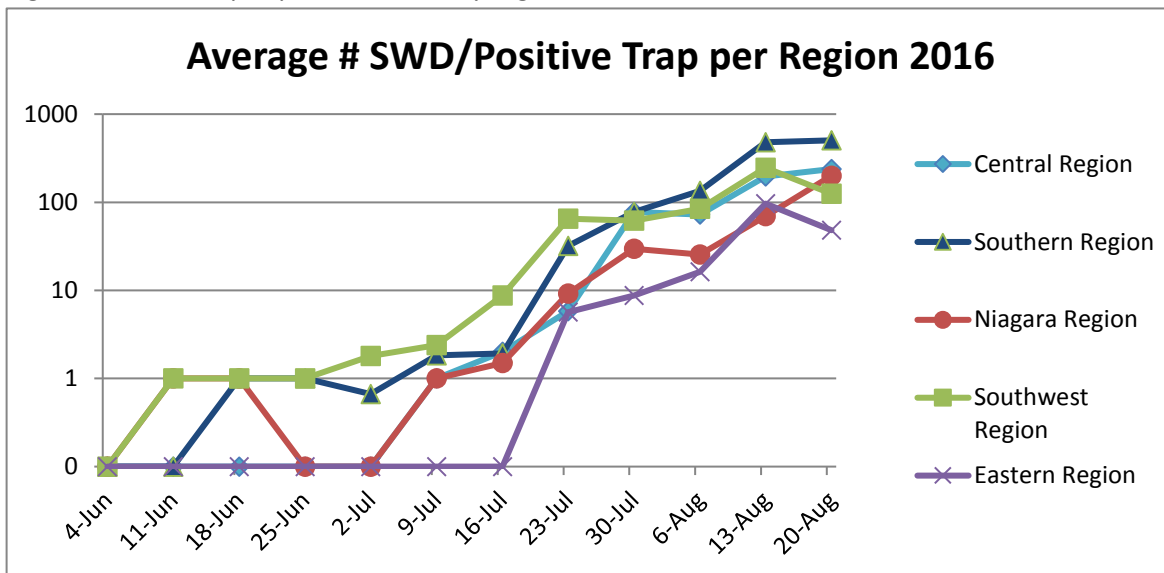


Table # 1: SWD trap locations in 2016

Region	County or Regional Municipality	# sites	First trap capture (date)	Ave # SWD/+ve trap (all weeks)	Ave SWD trapped per site (all weeks)
Southwest	Essex, Kent, Lambton	7	June 11	92.5	1388.0
Southern	Middlesex, Elgin, Oxford, Brant, Norfolk	9	June 18	231.0	4080.0
Niagara	Niagara, Haldimand	5	June 11	69.5	1376.4
Central	Waterloo, Wellington, Grey, York, Durham	5	July 9	139.0	1817.0
Eastern	Kwartha Lakes, Northumberland, Ottawa-Carleton,	4	July 23	43.2	550.5