

Below are the results from this past week's thrips monitoring program. Thrips pressure continues to be strong – as there were increases in adults and immatures in most areas. Please keep in mind that numbers vary from field to field.

This week, we found Iris yellow spot virus in fields in Ontario, Nyssa and Fruitland, with the highest levels around 10% in a couple of fields. Infected plants have been more abundant closer to the edges of fields, which suggests that most transmission at this time is from adults dispersing into fields. That would change later in the season if immature thrips survive on infected plants and then transmit virus to other plants within a field.

As the onions' canopy develops and leaves start folding over one another, be sure to use sufficient spray volumes and pressure to get insecticides down in the neck of plants. This week some I saw some recently sprayed fields that had dead thrips several inches up on the leaves but still had live ones in the neck at the base of leaves.

The Malheur Experiment Station Annual Farm Fest will be July 10, beginning at 8 AM with drone demonstrations followed by research tours and kids' activities. ODA Director Alexis Taylor will be our special guest speaker at lunch. She will be there with other ODA representatives, including Susanna Pearlstein, ODA's Produce Safety Program Manager, and Casey Prentiss. Please call 541-889-2174 to RSVP.



*Figure 1. IYSV on leaves 2019-06-28*

Adults per Plant

<b>Growing Area</b>	<b>5/15</b>	<b>5/25</b>	<b>5/31</b>	<b>6/8</b>	<b>6/15</b>	<b>6/22</b>	<b>6/29</b>
Oregon Slope/Weiser	0.03	0.04	0.06	0.15	2.47	4.41	5.22
Vale	0.15	0.55	1.64	2.60	4.79	6.44	5.72
Ontario	0.07	0.03	0.78	0.71	1.92	4.35	5.98
Nyssa	0.02	0.07	1.32	1.03	3.67	5.20	7.33
Adrian	0.02	0.22	1.60	1.67	2.15	2.63	7.60
Fruitland	0.05	0.03	0.19	0.94	1.29	6.12	6.30
Parma	-	0.09	1.60	0.67	2.75	7.89	3.47
Overall Average	0.06	0.15	1.03	1.11	2.72	5.29	5.95

Immatures per Plant

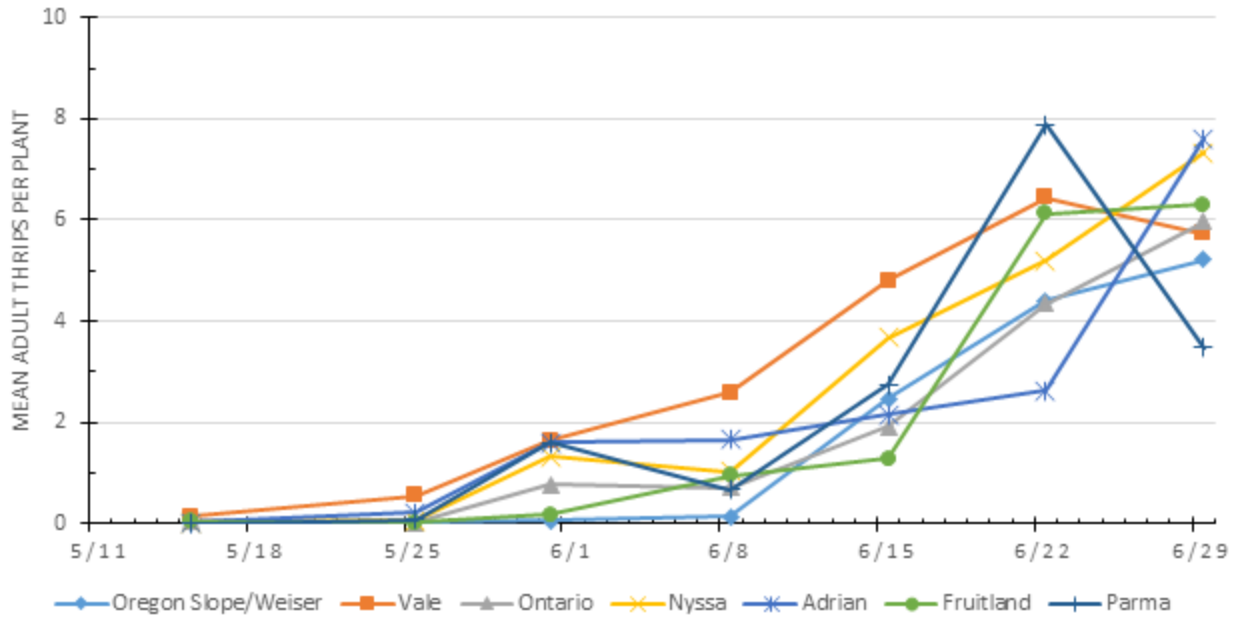
<b>Growing Area</b>	<b>5/15</b>	<b>5/25</b>	<b>5/31</b>	<b>6/8</b>	<b>6/15</b>	<b>6/22</b>	<b>6/29</b>
Oregon Slope/Weiser	0.00	0.00	0.00	0.26	5.45	12.55	9.90
Vale	0.00	0.41	6.28	4.20	11.16	5.99	11.64
Ontario	0.00	0.00	3.60	1.71	8.71	22.81	21.28
Nyssa	0.00	0.02	3.56	5.52	8.00	10.58	26.98
Adrian	0.00	0.00	8.42	3.64	5.45	1.10	5.17
Fruitland	0.00	0.00	0.16	2.20	3.39	7.62	1.55
Parma	-	0.00	1.97	4.37	1.66	2.90	12.78
Overall Average	0.00	0.06	3.43	3.13	6.26	9.08	12.76

Total average per Plant

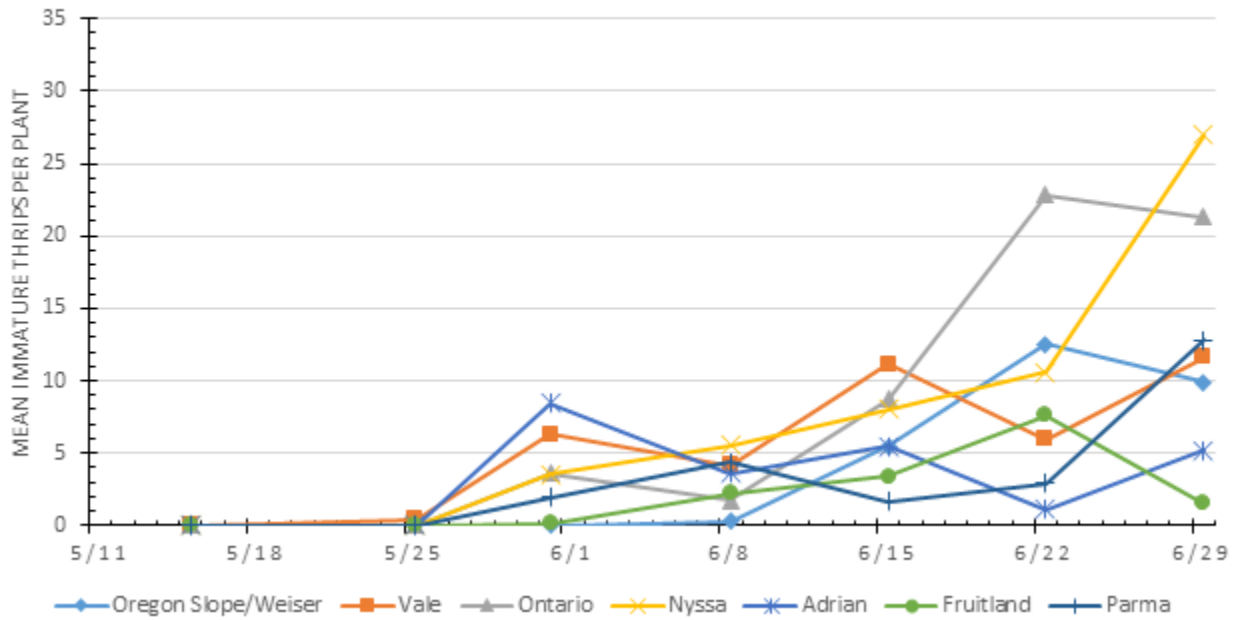
<b>Growing Area</b>	<b>5/15</b>	<b>5/25</b>	<b>5/31</b>	<b>6/8</b>	<b>6/15</b>	<b>6/22</b>	<b>6/29</b>
Oregon Slope/Weiser	0.03	0.04	0.06	0.42	7.92	16.96	15.12
Vale	0.15	0.96	7.92	6.79	15.96	12.43	17.36
Ontario	0.07	0.03	4.38	2.42	10.63	27.16	27.26
Nyssa	0.02	0.09	4.88	6.55	11.67	15.78	34.31
Adrian	0.02	0.22	10.01	5.31	7.61	3.73	12.77



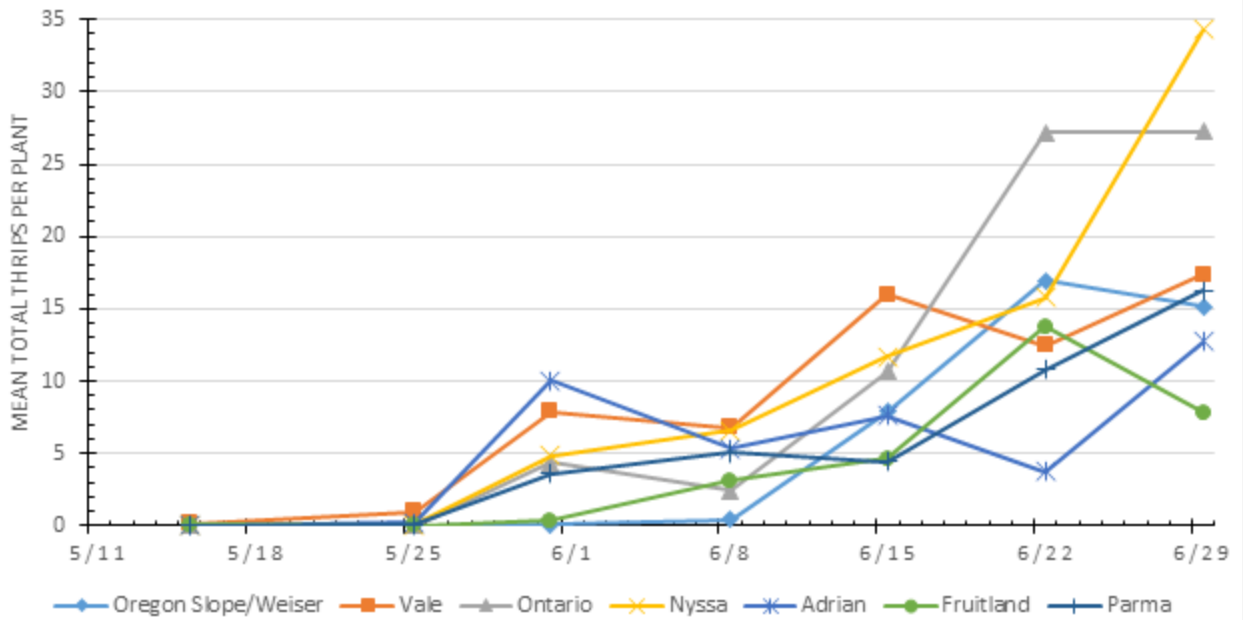
### SEASONAL THRIPS ADULT TRENDS



### SEASONAL IMMATURE THRIPS TRENDS



### SEASONAL TOTAL THRIPS TRENDS - 2019



### PERCENTAGE OF PLANTS WITH THRIPS

