

There was a sharp increase in thrips numbers in most areas over the past week. Fields were checked on Thursday and Friday (5/30 – 5/31). Thrips were in 90% of the fields checked this week and are being found on more plants per field now. The overall increase was largely a result of thrips beginning to reproduce in fields (as marked by the increase in immature thrips). Numbers tend to be higher in fields with larger plants. The highest numbers have been in red onion fields with plants at the 4-5 leaf stage and in early onion fields (e.g. Spanish Medallion and other early varieties). The highest numbers in the network were about 32 per plant in a red onion field (about 85% being immatures). The lowest numbers have been in fields at the 1-2 leaf stage, especially those in the Oregon Slope/Weiser area.

Expect additional movement of thrips into onion fields as more alfalfa fields get their first cutting and as rangeland weeds begin to dry down and senesce. Populations will increase rapidly with the warmer, drier weather in the forecast.

Adults per Plant

Growing Area	5/15	5/25	5/31
Oregon Slope/Weiser	0.03	0.04	0.06
Vale	0.15	0.55	1.64
Ontario	0.07	0.03	0.78
Nyssa	0.02	0.07	1.32
Adrian	0.02	0.22	1.60
Fruitland	0.05	0.03	0.19
Parma -		0.09	1.60
Overall Average	0.06	0.15	1.03

Immatures per Plant

Growing Area	5/15	5/25	5/31
Oregon Slope/Weiser	0.00	0.00	0.00
Vale	0.00	0.41	6.28
Ontario	0.00	0.00	3.60
Nyssa	0.00	0.02	3.56
Adrian	0.00	0.00	8.42
Fruitland	0.00	0.00	0.16
Parma -		0.00	1.97
Overall Average	0.00	0.06	3.43

Total average per Plant

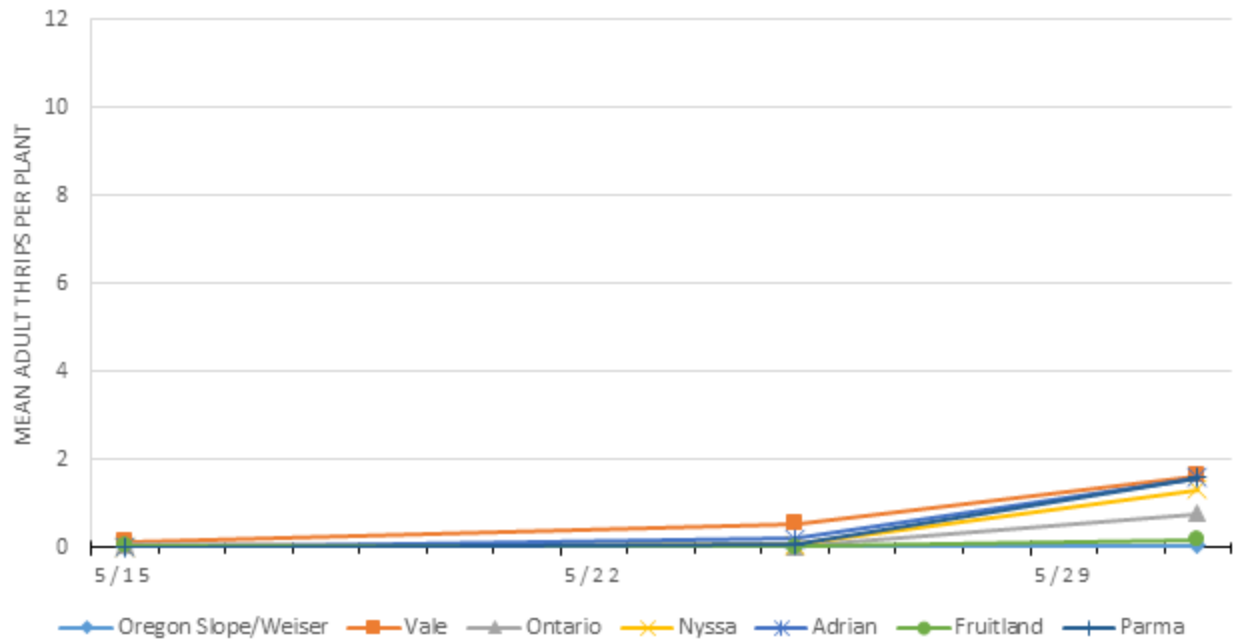
Growing Area	5/15	5/25	5/31
Oregon Slope/Weiser	0.03	0.04	0.06
Vale	0.15	0.96	7.92
Ontario	0.07	0.03	4.38
Nyssa	0.02	0.09	4.88
Adrian	0.02	0.22	10.01

Fruitland		0.05	0.03	0.35
Parma	-		0.09	3.58
Overall Average		0.06	0.21	4.45

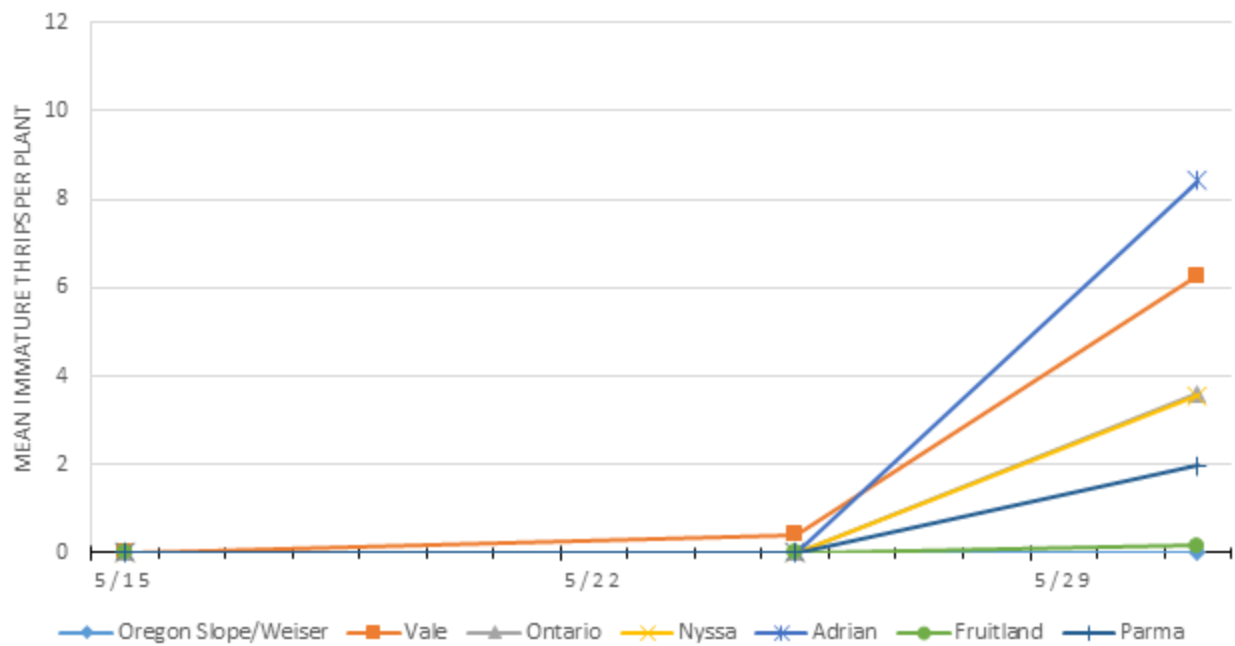
% Plants with Thrips

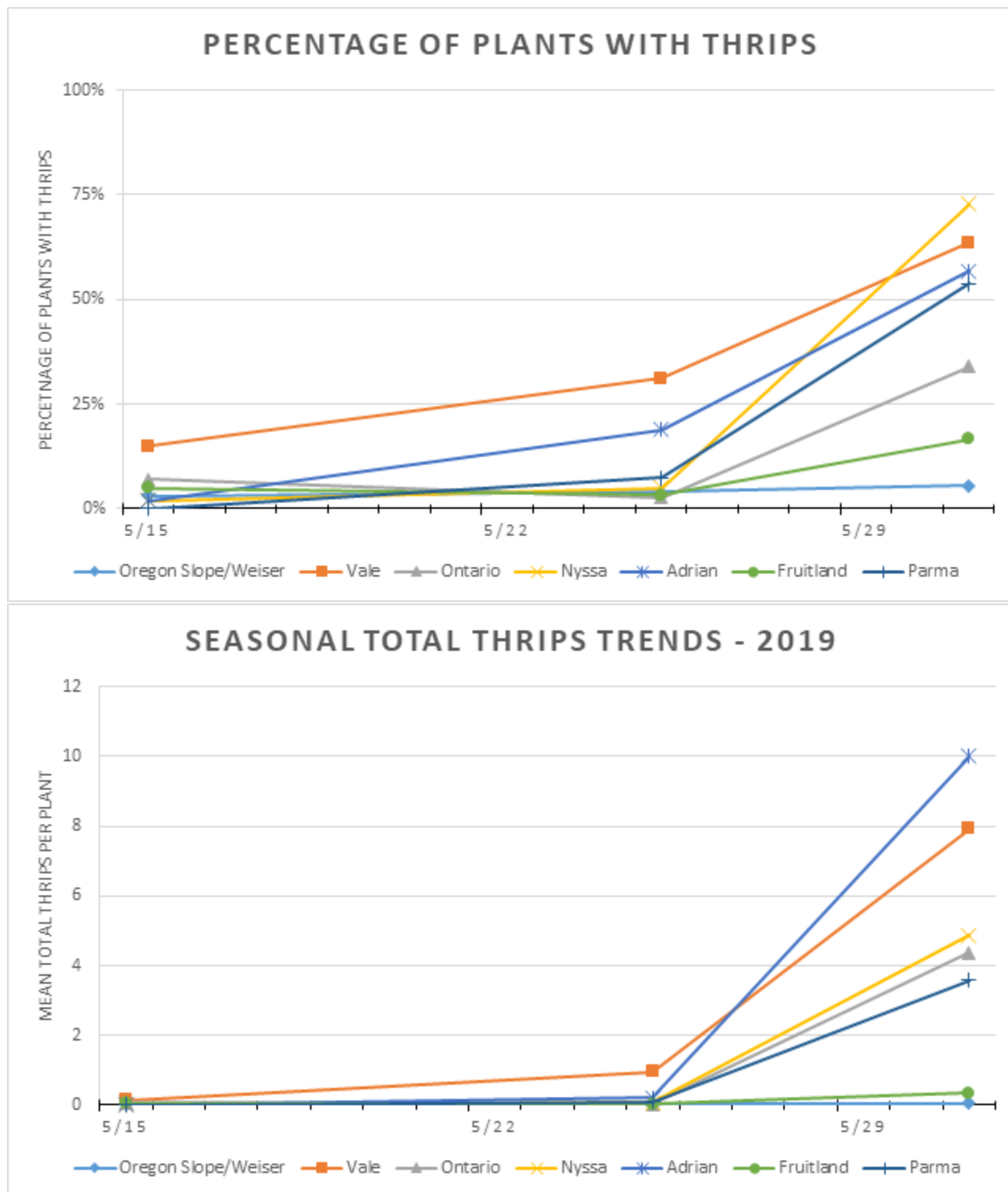
Growing Area	5/15/2019	5/25/2019	5/31/2019
Oregon Slope/Weiser	3%	4%	6%
Vale	15%	31%	64%
Ontario	7%	3%	34%
Nyssa	2%	5%	73%
Adrian	2%	19%	57%
Fruitland	5%	3%	17%
Parma	-	7%	54%
Overall Average	6%	10%	43%

SEASONAL THRIPS ADULT TRENDS



SEASONAL IMMATURE THRIPS TRENDS





A couple of notes unrelated to onion thrips

1 – As a result of the cool, wet spring, downy mildew has shown up in some overwinter onions in the Columbia Basin. I haven't seen signs of it in the Treasure Valley, but it's worth keeping an eye out for it. Even with the wet weather, I don't think the bulb crop is at high risk since the crop is relatively small and doesn't have a dense canopy yet that keeps moisture levels high on the leaves. It could be a greater

risk for seed crops that have a denser canopy now. Please let me know if you have concerns about it in your fields.



Thanks to Carrie Wohleb and Lindsey du Toit for the pictures of downy mildew on onion foliage and flower scapes.

2 – if you have sugarbeets, there have been reports of leafminer and armyworms in beet fields.

3 –June 13 2019: Snake River Weed Research Tour, Malheur Experiment Station, 595 Onion Ave, Ontario, OR, beginning at 8:30 AM

<http://www.cropinfo.net/events.php>

Please let me know if you have any questions, or if you have fields you would like included in the monitoring network.

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