

POTATO UPDATE

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Hermiston Agricultural Research and Extension Center

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Insect Trap Report

Area Pest Alert, Umatilla&Morrow Co.

Traps are collected on Thursdays.

TRAP	PTW	BLH	OLH	GPA	PA	OA
1	16	4	3	0	0	3
2	3	1	8	0	0	6
3	3	26	41	0	0	5
4	1	9	3	0	0	1
5	1	0	3	0	0	1
6	1	5	25	0	0	3
7	6	4	6	0	0	1
8	0	0	6	0	0	3
9	0	0	4	3	0	29
10	2	7	2	0	0	0
11	2	0	18	0	0	0
12	4	2	5	0	0	4
13	19	13	2	0	0	0
14	1	13	28	0	0	2
15	3	2	2	0	0	6
16	6	0	3	0	0	2
17	10	3	3	1	0	1
18	26	0	2	0	0	0
19	9	2	10	0	0	0
20	0	2	1	0	0	7
21	1	7	9	0	0	0
22	0	0	14	0	0	4
23	0	4	26	0	0	8
24	0	18	2	0	0	1
25	4	2	2	0	0	8
26	5	5	1	0	0	1
27	3	4	14	0	0	6
28	31	3	18	0	0	7
29	0	1	2	1	0	3
30	1	5	5	0	0	3
31	2	0	2	0	0	5
32	1	17	8	0	0	1
33	1	2	5	0	0	5
34	93	17	13	0	1	2

PTW: Potato Tuberworms

GPA: Green Peach Aphids

BLH: Beet Leafhoppers

PA: Potato Aphids

OLH: Other Leafhoppers

OA: Other Aphids

From BLH yellow sticky cards located outside potato circles.

TRAP	PP	OP
1	1	0
2	2	31
3	1	46
4	0	4
5	2	2
6	2	1
7	0	2
8	0	5
9	2	0
10	0	1
11	0	0
12	0	0
13	2	1
14	0	0
15	0	0
16	0	0
17	0	0
18	0	0
19	0	0
20	0	0
21	2	0
22	1	0
23	0	20
24	0	0
25	0	0
26	0	0
27	0	5
28	0	1
29	0	0
30	0	0
31	1	1
32	0	0
33	1	0
34	0	1

PP: Potato Psyllids

OP: Other Psyllids

From DVAC (5-10 feet from the edge of the field; 5 minutes)*.

TRAP	PP	OP
1		
2	1	0
3		
4		
5	0	0
6		
7		
8	0	0
9		
10		
11		
12		
13		
14		
15	1	1
16		
17		
18		
19		
20		
21		
22		
23		
24	NA	NA
25		
26	NA	NA
27		
28		
29		
30	0	1
31		
32	0	0
33		
34	1	0

PP: Potato Psyllids

OP: Other Psyllids

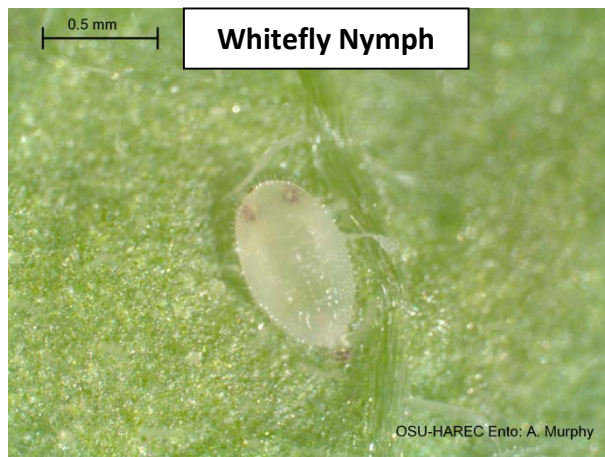
* selected sites were sampled

Psyllid and Zebra Chip Update

Potato psyllids have been found in Umatilla, Morrow, Union and Baker counties in Oregon. The zebra chip bacterium (Lso) was detected in potato plants and psyllids in the Lower Columbia Basin last week. There has been only one Lso-positive psyllid sample in the over one-thousand psyllids tested by the HAREC Plant Pathology Lab. No additional plants or psyllids have tested positive for ZC this week. No psyllids or plants have tested positive from Union and Baker counties.

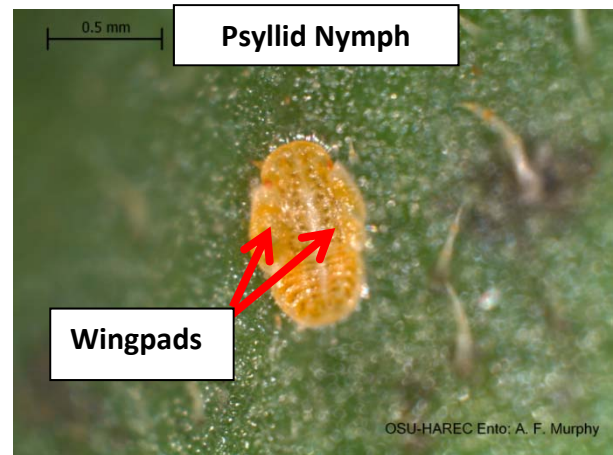
Are whiteflies giving you fits?

White flies have been found near potatoes in the Columbia Basin. The nymphs closely resemble psyllid nymphs. They might be spotted on the underside of leaves or while sampling for psyllids.



Whitefly Nymphs

- Don not have legs
- Do not move when disturbed
- Do not have identifiable wingpads
- Cream, yellow or green



Psyllid nymphs

- Have legs
- Move when disturbed
- Often have identifiable wingpads
- Cream, yellow or green

As adults, these tiny insects resemble little white moths. Adults may be detected on yellow sticky cards. However, they rarely require management or warrant insecticide applications in the Columbia Basin.

Please feel free to contact the Rondon Irrigated Agriculture Entomology lab if you find an unknown insect. *Your extension agent. . .*



HAREC Plant Pathology Lab Potato Disease Update 8/2/13

BLTVA has been detected in plants with purple top symptoms from numerous fields in the lower Columbia Basin (Hermiston area and southeast of Pasco). Other potato diseases that have been submitted to the lab include tobacco rattle virus infected tubers and tubers with powdery scab. Jordan Eggers, OSU HAREC Plant Pathology Lab Manager