

## 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	8	64	0	0	2
2	1	6	32	0	0	7
3	0	8	158	0	0	0
4	2	4	32	0	0	3
5	1	0	5	0	0	2
6	0	10	125	0	0	21
7	1	26	64	0	0	3
8	0	3	90	0	0	2
9	0	8	8	0	1	29
10	0	18	13	0	0	7
11	0	10	45	0	0	3
12	1	6	26	0	1	4
13	2	41	37	0	1	1
14	2	25	19	0	0	12
15	1	26	44	0	0	6
16	4	4	6	0	0	1
17	4	4	16	0	0	1
18	2	7	6	0	0	4
19	2	14	100	0	0	1
20	6	3	11	0	0	6
21	3	5	10	1	2	5
22	0	6	63	0	0	2
23	0	2	14	0	0	5
24	0	0	0	0	0	0
25	0	1	8	0	0	4
26	8	7	9	0	0	0
27	1	15	116	0	0	4
28	10	2	22	0	0	216
29	1	2	18	0	2	3
30	0	5	14	0	1	0
31	1	3	15	0	0	13
32	0	80	27	0	0	5
33	0	4	29	0	0	2
34	83	20	37	0	0	3

PTW: Potato Tuberworms  
BLH: Beet Leafhoppers  
OLH: Other Leafhoppers

GPA: Green Peach Aphids  
PA: Potato Aphids  
OA: Other Aphids

From BLH yellow sticky cards located outside potato circles.

TRAP	PP	OP
1	0	8
2	0	4
3	1	354
4	0	39
5	0	25
6	1	65
7	0	3
8	0	3
9	0	3
10	0	4
11	0	6
12	0	2
13	0	0
14	0	6
15	1	6
16	0	2
17	0	4
18	0	0
19	0	2
20	0	0
21	0	1
22	0	0
23	0	1
24	0	0
25	0	0
26	0	1
27	0	5
28	1	45
29	0	0
30	0	1
31	0	1
32	0	1
33	0	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	15	0
3		
4		
5	0	0
6		
7		
8	0	0
9		
10		
11		
12		
13		
14		
15	0	0
16		
17		
18		
19		
20		
21		
22		
23		
24	0	0
25		
26	na	na
27		
28		
29		
30	0	0
31		
32	na	na
33		
34	1	0

PP: Potato Psyllids  
OP: Other Psyllids  
\* selected sites were sampled

## What can we expect with all this heat?

Several potato pests may be favored by the increasing temperatures. Thrips have been noted on potatoes and weeds at increasing numbers in the lower Columbia Basin. Two-spotted spider mites are also favored by high temperatures and low humidity.

### Thrips

- Extremely small, long and slender insects
- Produce a burned appearance on leaves
- Populations are known to increase rapidly

### Two-spotted spider mites

- Extremely small, oval-shaped pests
- Two spots with eight legs
- Leaves may appear speckled or have webbing
- Populations can build quickly

### Potato Psyllids have been detected in the Hermiston Area.

Multiple adult potato psyllids were detected in the Hermiston area this week. Remember that, while potato psyllids can still survive and/or reproduce at high temperatures, the bacterium that causes zebra chip does not thrive well at high temperatures. Therefore the transmission rate for ZC decreases at high temperatures, like those experienced this week. ZC-infected psyllids have not been detected yet.



For more information on potato pest control, please see the PNW Insect Management Handbook or the 2012 Integrated Pest Management Guidelines for Insects and Mites in Idaho, Oregon and Washington Potatoes: <http://www.nwpotatoresearch.com/pdfs/PNWPotatoInsectandMiteManagement2012.pdf>

*Your extension agent .....*