

# OREGON STATE UNIVERSITY

## POTATO UPDATE

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Hermiston Agricultural Research and Extension Center

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### Insect Trap Report

Area Pest Alert Serving Umatilla & Morrow County

Traps are collected on Thursdays.

TRAP	PTW	BLH	OLH	PA	GPA	OA
1	10	1	5	0	0	0
2	0	1	8	0	0	0
3	0	0	133	0	0	0
4	1	1	4	0	0	0
5	0	0	27	0	0	0
6	0	0	5	0	0	0
7	0	0	17	0	0	0
8	0	0	4	0	0	0
9	0	0	1	0	0	0
10	0	0	1	0	1	0
11	0	0	41	0	0	0
12	0	0	0	0	0	0
13	4	0	1	0	0	0
14	2	1	1	0	0	0
15	1	0	2	0	2	0
16	1	1	0	0	0	0
17	1	8	0	0	0	0
18	0	1	8	0	0	0
19	0	0	2	0	0	0
20	2	0	2	0	0	0
21	0	0	1	0	0	0
22	0	0	6	0	0	0
23	0	0	1	0	0	0
24	0	6	6	0	0	0
25	0	0	0	0	0	0
26	16	0	1	0	0	0
27	0	0	2	0	0	0
28	0	1	35	0	0	0
29	0	0	1	0	0	0
30	0	0	0	0	0	0
31	0	1	27	0	0	0
32	0	4	2	0	0	0
33	0	1	18	0	0	0
34	70	0	1	0	0	0

PTW: Potato Tuberworm

BLH: Beet Leafhopper

OLH: Other Leafhopper

PA: Potato Aphid

GPA: Green Peach Aphid

OA: Other Aphid

From BLH yellow sticky cards located outside potato circles.

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

PP: Potato Psyllid

OP: Other Psyllids

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

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

PP: Potato Psyllid

OP: Other Psyllids

\* selected sites were sampled

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## **Pest observations in the Lower Columbia Basin the Week of July 30**

As you know Zebra Chip (ZC) was confirmed by PCR from two potato plants from a single field located east of Hermiston on July 24. A week later, on July 31, two more samples were positive for ZC. These were collected near Cold Springs Reservoir and from HAREC.

Keeping the disease from entering the field via psyllids is difficult but it is extremely important not to allow colonization of the psyllids in the fields. Maintaining an effective insecticide program is vital. Updated information about insecticide applications was provided in last week's Potato Update (<http://oregonstate.edu/dept/hermiston/trap-reports>).

This week the trapping program for Union and Baker Counties picked up 3 potato psyllids for the first time. One psyllid was found in the Klamath area. The psyllids will be tested for the bacterium. It is important to remember that the psyllid has to carry the bacterium to cause the disease.

Many potato growers in the Columbia Basin have initiated a foliar insecticide program to control potato psyllids. Growers waiting for first detection of potato psyllids in their fields before beginning an insecticide program should be scouting their fields very carefully. Potato psyllids are tiny and difficult to see. No ZC symptomatic volunteer potatoes were found in recent surveys of fields that had heavy ZC infections in 2011.

Remember to rotate insecticides between different groups. For more information about chemical control options go to <http://www.potatoes.com/IPMStuff/PDFs/PotatoPsyllid.pdf>.

If you have noticed any suspect areas in your production fields and want to have the plants examined to determine if ZC is present or not contact HAREC.

Other pests to watch for: "worms", tuber worm and mites.

Your extension agent...*Silvia Rondon, Extension Entomologist Specialist, OSU-HAREC Irrigated Agricultural Entomology Program*

## **Plant Pathology Lab Potato Disease Update**

Samples this week include tuber rots, primarily bacterial soft rot. No late blight has been reported in the Columbia Basin so far this year. If you have any questions regarding plant diseases, please contact Jordan. *Jordan Plant Pathology Manager* 541-567-8321 or [jordan.egggers@oregonstate.edu](mailto:jordan.egggers@oregonstate.edu)