

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	58	3	3	0	0	1
2	2	7	3	0	0	5
3	21	16	14	0	0	2
4	1	9	5	0	0	0
5	3	1	1	0	0	3
6	4	2	5	0	0	6
7	2	2	1	0	1	3
8	1	0	0	0	1	3
9	4	1	3	0	0	9
10	0	13	3	0	0	0
11	0	0	6	0	0	1
12	10	0	7	2	0	9
13	9	1	0	1	0	0
14	20	11	12	0	0	4
15	28	0	2	0	0	8
16	41	1	1	0	0	4
17	42	7	6	0	0	0
18	9	0	0	0	0	0
19	23	4	5	0	0	0
20	18	0	0	0	0	2
21	11	4	2	0	1	4
22	0	0	1	3	0	5
23	1	8	9	0	0	6
24	2	10	7	0	0	1
25	28	1	1	2	0	15
26	63	2	1	0	0	6
27	24	4	8	0	0	0
28	24	1	7	0	0	20
29	6	1	4	0	0	4
30	1	7	2	0	0	0
31	10	0	10	0	0	9
32	2	17	11	3	0	7
33	11	6	2	2	0	20
34	113	17	7	0	0	5

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

PP: Potato Psyllids
OP: Other Psyllids

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

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

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

Zebra Chip Update

As of today, potato psyllids have been found in Umatilla, Morrow, Klamath, Union and Baker counties in Oregon. The zebra chip bacterium (Lso) was detected in potato plants and psyllids in the Lower Columbia Basin on July 23rd, 2013. The good news is that there have been only three Lso-positive psyllid samples in the over one-thousand psyllids tested by the HAREC Plant Pathology Lab. No psyllids or plants have tested positive from Union, Baker, or Klamath counties. There will be more research updates from the OSU Ento lab during winter meetings. If you want to chat about this or other insect pests, please call us at 541-567-8321 (Rondon).

Are you seeing red or purple?

Beet leafhoppers (BLH) have been found in high numbers since early in the season. This insect transmits potato purple top disease. Symptoms include: purple leaves, leaf-curling, aerial tubers, swollen internodes. Purple top closely resembles the symptoms of zebra chip. Unlike zebra chip, it is caused by a phytoplasma. If you forgot how to ID BLHs, here are some identification tips.



Beet Leafhopper

- Rounded 'nose'
- No spots on head
- Grey-brown, green, or yellow
- Wings can be clear or have brown mottled patterns



Other leafhoppers



HAREC Plant Pathology Lab Potato Disease Update 8/16/13

The lab has received potato tuber samples positive for tobacco rattle virus. BLTVA infections are wide spread across the Columbia Basin. Early blight is beginning to show up as nitrogen availability decreases and plants begin to senesce. Late blight has been reported in fields near Connell and Warden, WA. Jordan Eggers, Plant Pathology Manager