

POTATO UPDATE

Volume VII, Issue 15

Hermiston Agricultural Research and Extension Center

August 9, 2013

2121 South 1st Street, Hermiston, Oregon 97838, T 541-567-8321 | F 541-567-2240 | <http://oregonstate.edu/dept/hermiston/>

Silvia I. Rondon, Extension Entomologist Specialist • Philip B. Hamm, Plant Pathologist • Alexzandra Murphy, Postdoctoral Fellow,
Entomology • Jordan Eggers, Plant Pathology Lab Manager

Insect Trap Report

Area Pest Alert, Umatilla & Morrow Co.

Traps are collected on Thursdays.

TRAP	PTW	BLH	OLH	GPA	PA	OA
1	28	7	15	0	0	1
2	6	0	15	0	0	1
3	1	14	46	0	0	1
4	0	3	4	0	0	0
5	3	0	8	0	0	3
6	2	2	10	1	0	5
7	4	1	5	0	0	1
8	1	0	6	1	0	4
9	5	0	0	0	0	8
10	4	4	0	0	0	1
11	0	1	14	0	0	0
12	3	0	0	3	1	2
13	4	2	3	0	0	1
14	5	11	17	2	0	19
15	10	3	12	0	0	20
16	29	1	1	1	0	4
17	30	2	10	1	0	3
18	5	0	1	0	0	0
19	17	0	1	0	0	3
20	6	0	0	0	0	5
21	2	9	8	0	0	1
22	0	0	3	0	0	0
23	2	6	7	1	0	2
24	4	5	1	0	0	1
25	7	0	2	1	0	7
26	34	1	2	0	0	1
27	6	3	13	0	0	3
28	31	4	35	1	0	5
29	5	1	5	0	0	2
30	5	16	5	0	0	3
31	8	0	6	4	0	26
32	3	16	6	0	0	2
33	0	4	3	0	0	3
34	87	12	16	0	0	1

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	4
2	0	10
3	0	78
4	1	10
5	0	2
6	4	8
7	0	2
8	0	9
9	0	2
10	8	1
11	2	0
12	2	2
13	4	0
14	0	2
15	1	1
16	0	0
17	0	1
18	0	0
19	0	0
20	0	0
21	0	0
22	0	0
23	0	2
24	0	0
25	0	1
26	0	0
27	0	0
28	1	14
29	0	0
30	0	5
31	0	0
32	1	0
33	0	0
34	0	0

PP: Potato Psyllids
OP: Other Psyllids

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

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

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

Recommendations for potato psyllid control

- Potato psyllids have been detected in all areas of the Lower Columbia Basin. Low levels of the bacterium responsible for Zebra Chip have been found.
- Detection of potato psyllids in the area is the threshold for making management decisions.
- Currently, potato fields should be managed with recommended insecticides.
- Untreated fields may suffer losses from Zebra Chip and serve as a source of infected psyllids.
- Remember to rotate between chemical classes to prevent insect pest resistance.
- Pyrethroids are not recommended for potato psyllid control.

Insecticides effective against potato psyllid.*

Insecticide	Class	Potato Psyllid		
		Eggs	Nymphs	Adults
Vydate	1b		X	X
Radiant	5		X	
Agri-Mek	6	X	X	X
Fulfill	9b		X	X
Beleaf	9c		X	X
Onager	10	X	X	
Oberon	23	X	X	
Movento	23	X	X	

*List not in order of importance.



More information can be found at:

<http://www.nwpotatoresearch.com/pdfs/PNWPotatoInsectandMiteManagement2013.pdf>

Please continue to check our website <http://oregonstate.edu/dept/hermiston/silvia-rondon> for updated insecticide information at the end of this season.

HAREC Plant Pathology Lab Potato Disease Update 8/9/13

Late blight has been detected in potato fields near Connell, WA. Fields in the Connell area should be on a 7-10 day spray schedule. All other fields in the Columbia Basin should be on a 14 spray schedule until harvest or until late blight is detected in the area. More potato plants have tested positive for BLTVA. **Bacterial ring rot has also been detected in the Columbia Basin. See the attached handout for descriptions and photos of ring rot.** Two more potato psyllid samples from the Lower Columbia Basin have tested positive for the Zebra Chip pathogen. Jordan Eggers, OSU HAREC Plant Pathology Lab Manager