

POTATO UPDATE

Volume VIII, Issue 9

Hermiston Agricultural Research and Extension Center

July 3, 2014

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 •
Robert Cating, Plant Pathology Lab Diagnostician • Carol Mills, Bio Science Tech

“Hot” potato psyllids found this week

On July 3, 2014, the HAREC Plant Pathology Lab detected the first “hot” psyllid of the season in the lower Columbia Basin. Detection of the Liberibacter (Lso) is based on PCR amplification. So far, 123 psyllids have been submitted for Lso testing, with the first one submitted and tested on June 6. Psyllid submissions have been steadily increasing, with 82 submitted this past week. Growers should be scouting for psyllids at this time. If you have questions call the HAREC (541) 567-8321.....*Robert Cating and Phil Hamm*

Wireworms still here!!

Wireworms, the larval stage of click beetles (Coleoptera: Elateridae), are significant, long-lived, soil-dwelling pests in a variety of field crops. Broad-spectrum insecticides that have historically provided effective wireworm control are being phased out in favor of “safer” alternatives. Unfortunately, many insecticides currently registered for use on crops like potatoes do not adequately control wireworms, resulting in pest resurgence across the western U.S.

A diversity of wireworm species, each possessing unique life histories and distributions, complicate the development of an effective Integrated Pest Management program. To collect preliminary data on wireworm populations in the Columbia Basin, we have established traps at 8 locations. A wireworm trap consists of ½ cup of oatmeal placed inside pantyhose. The traps are soaked overnight and buried 3-5 inches deep in the soil and then covered with black plastic; traps are collected every 7-10 days. The traps are collected (along with surrounding soil) and replaced weekly; samples are sorted in the lab, and wireworms are counted and saved for species identification. If you want a demonstration about how to set up traps, please contact us.



This preliminary information will give us an idea as to which wireworm species are present in our area before conducting the project on a much bigger scale next season (funding permitted). Stay tuned.....*Amber Vinchesi (Postdoctoral scholar at the Rondon’s lab).....Silvia Rondon, Extension Entomologist Specialist.*

Have you read this? FYI about Neonicotinoids

On June 23, the Spokane City Council banned the use of neonicotinoid insecticides on city property. While the ban does not include city parks or golf courses, it still sets a precedent.

On July 1, the Olympian newspaper ran an editorial calling for the ban of neonics. If you read or hear about a potential ban or other action in your community, please let us know immediately.

Late Bligh Hotline Number

Oregon State University: (800) 705-3377



We wish you a happy and safe 4th!

OREGON STATE UNIVERSITY

Insect Trap Report

Area Pest Alert, Umatilla & Morrow Co.

Traps are collected on Thursdays.

TRAP	PTW	BLH	OLH	GPA	PA	OA
1	0	0	1	2	0	33
2	0	0	0	0	3	24
3	0	1	4	2	4	6
4	0	0	1	0	3	7
5	0	0	2	1	2	29
6	0	0	0	2	5	19
7	0	0	1	1	10	45
8	0	0	1	1	19	35
9	0	0	0	2	5	247
10	0	0	0	13	2	37
11	0	0	2	2	8	26
12	1	0	3	0	1	29
13	6	0	13	1	2	37
14	1	1	0	0	6	9
15	0	0	1	0	9	39
16	0	0	1	2	1	60
17	0	0	0	0	3	22
18	0	0	0	2	0	8
19	0	0	0	11	0	44
20	0	0	0	0	3	6
21	0	0	0	0	1	5
22	0	0	0	2	1	24
23	0	0	0	2	1	8
24	0	0	0	0	1	3
25	1	1	1	0	2	34
26	0	0	1	2	3	14
27	0	0	0	0	1	11
28	0	0	0	0	4	17
29	0	0	0	0	2	12
30	0	1	0	2	3	43
31	0	0	0	0	1	19
32	0	0	1	3	2	26
33	0	1	2	1	1	8
34	0	3	8	0	5	64
35	0	6	0	0	0	5
36	0	0	0	0	1	14

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

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

From yellow sticky cards located outside potato circles.

TRAP	0	2
1	0	1
2	0	5
3	0	4
4	0	2
5	0	0
6	0	0
7	0	15
8	0	2
9	0	4
10	0	6
11	0	2
12	0	13
13	0	0
14	0	5
15	0	25
16	0	0
17	0	17
18	0	3
19	0	1
20	0	0
21	0	0
22	0	0
23	0	0
24	0	15
25	0	6
26	0	5
27	0	2
28	0	0
29	0	0
30	0	0
31	0	0
32	0	0
33	0	1
34	0	0
35	0	0
36	0	0

PP: Potato Psyllids
 OP: Other Psyllids

From yellow Alphascent sticky cards in 3 feet, one per field.

TRAP	PP	OP
1	1	1
2	0	3
3	0	9
4	0	1
5	0	2
6	0	2
7	0	0
8	0	4
9	0	3
10	0	1
11	0	1
12	0	0
13	0	1
14	0	1
15	0	8
16	0	1
17	0	0
18	0	1
19	0	0
20	0	0
21	0	0
22	0	1
23	0	2
24	0	3
25	0	0
26	0	0
27	0	0
28	0	0
29	0	0
30	0	0
31	0	0
32	0	0
33	0	0
34	0	0
35	0	0
36	0	0

PP: Potato Psyllids
 OP: Other Psyllids