

POTATO UPDATE

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Hermiston Agricultural Research and Extension Center

June 12, 2015

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Robert Cating, Plant Pathology Lab Diagnostician • Ira Thompson, Bio Science Tech

Calendar of upcoming events

June 24-26 Integrated pest management training. Colfax, WA.

June 24 OSU HAREC Potato Field Day. Field Day starts at 8:30 AM. Hermiston, OR.

June 25 WSU Potato Field Day. Othello, WA.

Feature creature of the week: the potato tuberworm

Genus: *Phthorimaea*

Species: *operculella*

Common names: potato tuberworm; potato tuberworm.

Origin: South America

Hosts: Solanaceae (potato, tomato, pepper).

In the Columbia Basin, populations are small early in the season; warmer temperatures boost populations to grow with the most PTW activity occurring in September and October or close to harvest. This past week, number of PTW increased substantially. See report below.

More information can be found at

<http://insect.pnwhandbooks.org/vegetable/irish-potato/potato-irish-tuberworm;>

http://www.agri.idaho.gov/Categories/PlantsInsects/RegulatedAndInvasiveInsects/Documents/PTW%20by%20Rondon%20et%20al%2031_07.pdf

Pesticide Table for Potato Pests <http://insect.pnwhandbooks.org/vegetable/irish-potato/pesticide-tables-potato>Silvia Rondon, Extension Entomologist.



Extension Plant Pathology Diagnostic Lab Update

This week, 123 potato psyllids were tested for '*Candidatus Liberibacter solanacearum*', the pathogen responsible for zebra chip. No positives were found this week and no "hot" psyllids have been detected by the lab so far this season. *Potato Virus Y* (PVY) continues to be the most commonly found potato pathogen with positive plants being found on a daily basis.

No Late blight positive samples have been found by the lab so far this season....*Robert Cating and Ken Frost*

LATE BLIGHT HOTLINESponsored by Syngenta

[Oregon State University](#): 1-800-705-3377

[University of Idaho](#): 1-800-791-7195

[Washington State University](#): 1-800-984-7400

**Mark your Calendar
June 24 OSU HAREC
Potato Field Day**

Thanks to our participants of the 2015 IPM Workshop!!! Workshop included classroom and hands-on training. Great participation and interdisciplinary collaboration.



Thanks to the Oregon Potato Commission for sponsoring our trapping and extension efforts, and **the USDA-NIFA Technical Assistance for Specialty Crops Program**. Also, special thanks to Anderson geographic & consulting for sponsoring our interactive map.



OREGON STATE UNIVERSITY

Insect Trap Report

Area Pest Alert, Umatilla & Morrow County. Traps are collected on Thursdays.
Please note: "-1" value means no data

TRAP	PTW	BLH	OLH	PP	OP	GPA	PA	OA
1	3	0	1	0	8	0	3	0
2	0	0	0	0	8	1	1	0
3	0	0	2	0	84	0	0	0
4	0	1	4	0	66	0	0	0
5	0	1	1	0	0	0	1	0
6	0	0	0	0	36	0	6	0
7	1	0	1	0	5	0	1	1
8	0	3	10	0	14	0	0	0
9	0	0	0	0	2	0	0	2
10	0	0	0	0	0	0	1	0
11	0	0	2	0	1	0	3	0
12	0	2	5	0	12	0	0	0
13	0	0	0	0	1	0	1	0
14	0	3	4	0	0	0	2	1
15	4	0	0	0	0	0	1	1
16	1	0	0	0	2	0	1	0
17	0	2	1	0	0	0	3	0
18	0	4	0	0	0	0	0	0
19	0	1	3	0	2	0	0	0
20	0	1	0	0	0	0	0	0
21	0	0	1	0	0	0	0	0
22	0	0	0	0	1	0	1	0
23	0	0	0	0	9	0	0	0
24	0	0	1	0	0	0	0	0
25	0	0	0	0	1	0	0	0
26	1	0	0	0	2	0	0	0
27	4	0	0	0	0	0	4	0
28	0	0	0	0	1	0	0	1
29	0	0	0	0	1	0	1	0
30	0	0	0	0	0	0	0	0
31	2	1	8	0	0	0	3	0
32	1	4	4	0	3	0	2	0
33	0	6	4	0	0	0	0	0
34	5	4	1	0	1	0	1	0

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

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