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POTATO UPDATE

Hermiston Agricultural Research and Extension Center

2121 South 1st Street, Hermiston, Oregon 97838, T 541-567-8321 | F 541-567-2240 | <u>http://oregonstate.edu/dept/hermiston/</u> Silvia I. Rondon, Extension Entomologist Specialist ● Ken Frost, Extension Plant Pathologist ● Robert Cating, Plant Pathology Lab Diagnostician ● Ira Thompson, Bio Science Tech

Calendar of upcoming events

June 24-26Integrated pest management training. Colfax, WA.June 24OSU HAREC Potato Field Day. Field Day starts at 8:30 AM. Hermiston, OR.

June 25 WSU Potato Field Day. Othello, WA.

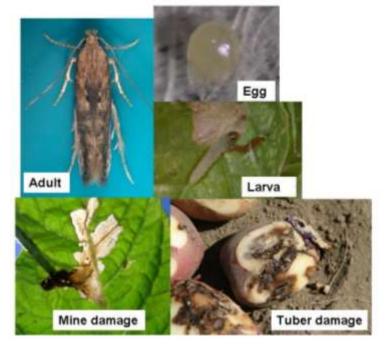
Feature creature of the week: the potato tuberworm

Genus: *Phthorimaea* Specie: *operculella* Common names: potato tubermoth; 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 <u>http://insect.pnwhandbooks.org/vegetable/irish-potato/potato-irish-tuberworm</u>;

http://www.agri.idaho.gov/Categories/PlantsInsects/R egulatedAndInvasiveInsects/Documents/PTW%20by%2 0Rondon%20et%20al%203 31 07.pdf



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

Agriculture, Family and Community Development, 4-H Youth, Forestry, Energy, and Extension Sea Grant Programs. Oregon State University, United States Department of Agriculture, and Umatilla County cooperating. The Extension Service offers its programs and materials equally to all people.

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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 positives 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.





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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 GPA: Green Peach Aphids								
BLH: Beet	Leafhop	pers		PA: Potato Aphids				
DLH: Othe	er Leafho	ppers		OA: Other Aphids				
P: Potato	Psyllids		C	OP: Other Potato Psyllids				

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