

## POTATO UPDATE

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Hermiston Agricultural Research and Extension Center

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2121 South 1<sup>st</sup> Street, Hermiston, Oregon 97838, T 541-567-8321 | F 541-567-2240 | <http://oregonstate.edu/dept/hermiston/>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 8** OSU-HAREC Wheat Field Day. Hermiston, OR.
- June 8-10** Integrated pest management training. Hermiston, OR.
- 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.

**Pesticides for Potato Pests**

If you wonder which pesticides to use to control potato pests, a complete list can be found in the Pacific Northwest Insect Handbook

<http://insect.pnwhandbooks.org/sites/insect.pnwhandbooks.org/files/pdf/pesticidetablesforpotatopests.pdf> .

This list gets revised every year and is frequently updated. Remember that before selecting and/or applying any pesticide, YOU MUST READ CAREFULLY THE LABEL. Pesticide labels contain detailed information on how to use the product correctly and legally. Labels also contain information on potential hazards associated with the product. Following label instructions will allow you to minimize the risks and maximize the profits. If you have any questions please let me know.....*Silvia Rondon, Extension Entomologist Specialist*

Some important links

Pesticide database

<http://picol.cahe.wsu.edu/LabelTolerance.html> (link is external)

<http://www.cdms.net/LabelsMsds/LMDefault.aspx?t=> (link is external)

<http://www.agrian.com/home/label-lookup/overview> (link is external)

For general information on potato insect pests, see the following websites:

<http://pnwpest.org/potato/> (link is external)

<http://www.nwpotatoresearch.com/IPM-Home.cfm> (link is external)

**Going Buggy!**

Next week we will be out collecting Colorado potato beetles, aphids, lygus and thrips. Please let us know if we can stop by at your operation in case we have not touch basis with you already. Look for the grey OSU HAREC truck .....*Silvia Rondon, Extension Entomologist Specialist* (P. (541) 567 8321).

**Extension Plant Pathology Diagnostic Lab**

This week we have continued to observe *potato virus Y* (PVY) infected potato plants in the field. We also had the first potato psyllids samples submitted to the Plant Clinic this week. This year, the psyllid submissions are 2-3 weeks earlier than in previous years. In total, 32 psyllids were submitted to the clinic this week (Tuesday, May 26 - Thursday

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May 28) and all tested negative for *Liberibacter solanacearum*. Of course, *L. solanacearum* is the causal agent of the disease zebra chip and we will continue to provide updates about detections of this pathogen in future newsletters. If you suspect you have a disease problem and would like us to take a look at it, give us a call or visit our website <http://oregonstate.edu/dept/hermiston/plant-pathology-plant-lab-testing> for a list of services we offer and for instructions about how to submit samples to the diagnostics clinic...*Robert Cating, Plant Disease Diagnostician and Ken Frost, Extension Plant Pathologist*

## Late Blight Update

Thus far, late blight has NOT been reported in the Columbia Basin. However, the probability that late blight will occur in the Basin this season is high due to heavy rainfall that have occurred in April and May in the region. As previously stated, the severity of late blight this year will largely depend on whether or not growers apply good management tactics. Culls and tuber refuse need to be eliminated, volunteer potatoes especially in fields where late blight was present last year need to be managed, and fields should not be over irrigated. Currently, a fungicide application should be made to all sprinkler irrigated potatoes at row closure follow by 7 to 10 day schedule through June 30. Late blight must be managed on a regional basis to effectively control the disease. Consequently, the general location of any late blight in the Columbia Basin needs to be reported to as soon as it is observed so fungicide application for particular areas can be modified accordingly. If you think you see signs or symptoms of late blight, contact Dennis Johnson, Ken Frost, or Robert Cating. Over the last 7 days, there have been no new late blight detections reported at <http://www.usablight.org/> and no late blight has been detected outside of Florida and California in 2015. The website <usablight.org> provides county level information about *Phytophthora infestans* detections that have been reported across the United States and provides information about late blight disease characteristics and management....*Dennis Johnson, Extension Plant Pathologist, Washington State University, Ken Frost, Extension Plant Pathologist, Oregon State University, and Robert Cating, Plant Disease Diagnostician, Oregon State University*

## Reminder - Request for Stubby root nematode samples

I would still like to obtain additional samples of stubby root nematode from throughout the Columbia Basin. Any growers and/or field men who are willing to sample from their farm please contact Ken at 541-567-8321 or [kenneth.frost@oregonstate.edu](mailto:kenneth.frost@oregonstate.edu), I will send you simple instructions for collecting and materials for shipping.... *Ken Frost, Extension Plant Pathologist*

### LATE BLIGHT HOTLINE ....Sponsored by Syngenta

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

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

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

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