

POTATO UPDATE

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Hermiston Agricultural Research and Extension Center

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Insect Trap Report

Area Pest Alert, Umatilla & Morrow Co.
Traps are collected on Thursdays.

| TRAP | PTW | BLH | OLH |
|------|-----|-----|-----|
| 1 | 2 | 8 | 28 |
| 2 | 0 | 2 | 305 |
| 3 | 0 | 10 | 176 |
| 4 | 0 | 6 | 33 |
| 5 | 0 | 0 | 10 |
| 6 | 0 | 21 | 33 |
| 7 | 0 | 20 | 16 |
| 8 | 0 | 2 | 24 |
| 9 | 0 | 7 | 27 |
| 10 | 0 | 9 | 23 |
| 11 | 0 | 3 | 43 |
| 12 | 1 | 2 | 19 |
| 13 | 1 | 10 | 19 |
| 14 | 0 | 11 | 2 |
| 15 | 0 | 34 | 13 |
| 16 | 4 | 2 | 12 |
| 17 | 3 | 10 | 21 |
| 18 | 3 | 4 | 14 |
| 19 | 1 | 20 | 25 |
| 20 | 0 | 1 | 29 |
| 21 | 0 | 3 | 14 |
| 22 | 0 | 2 | 30 |
| 23 | 0 | 0 | 2 |
| 24 | 0 | 3 | 0 |
| 25 | 0 | 0 | 11 |
| 26 | 22 | 4 | 6 |
| 27 | 2 | 9 | 14 |
| 28 | 3 | 2 | 16 |
| 29 | 0 | 2 | 21 |
| 30 | 0 | 3 | 2 |
| 31 | 3 | 7 | 48 |
| 32 | 0 | 0 | 1 |
| 33 | 0 | 2 | 40 |
| 34 | 40 | 6 | 11 |

PTW: Potato Tuberworm

BLH: Beet Leafhopper

OLH: Other Leafhopper

From BLH yellow sticky cards
located outside potato circles.

| TRAP | PP | OP |
|------|----|-----|
| 1 | 0 | 15 |
| 2 | 0 | 7 |
| 3 | 0 | 467 |
| 4 | 0 | 35 |
| 5 | 0 | 5 |
| 6 | 0 | 11 |
| 7 | 0 | 0 |
| 8 | 0 | 1 |
| 9 | 0 | 14 |
| 10 | 0 | 0 |
| 11 | 0 | 3 |
| 12 | 0 | 0 |
| 13 | 0 | 0 |
| 14 | 0 | 1 |
| 15 | 0 | 7 |
| 16 | 0 | 1 |
| 17 | 0 | 11 |
| 18 | 0 | 5 |
| 19 | 0 | 1 |
| 20 | 0 | 0 |
| 21 | 0 | 0 |
| 22 | 0 | 1 |
| 23 | 0 | 0 |
| 24 | 0 | 0 |
| 25 | 0 | 5 |
| 26 | 0 | 1 |
| 27 | 0 | 1 |
| 28 | 0 | 37 |
| 29 | 0 | 5 |
| 30 | 0 | 2 |
| 31 | 0 | 4 |
| 32 | 0 | 0 |
| 33 | 0 | 0 |
| 34 | 0 | 1 |

PP: Potato Psyllid

OP: Other Psyllids

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

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

PP: Potato Psyllid

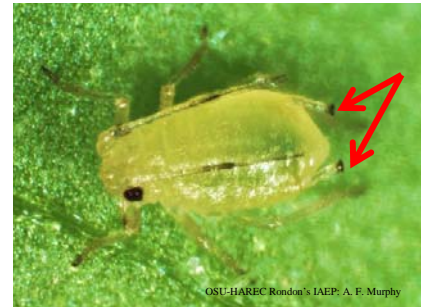
OP: Other Psyllids

* selected sites were sampled

Are you ready for aphids?

We are currently monitoring for aphids using yellow bucket traps at all our trapping stations. Another way to sample for aphids is by using a beat sheet. Aphids transmit viruses to potatoes, including Potato virus Y and Potato leafroll virus. All aphids can be identified using the two 'tail pipes' on the back of the abdomen.

Two major aphid pests of potatoes are the green peach aphid and potato aphid. See below for some help identifying these aphids:



Green Peach Aphid

- Smaller aphids
- Light green to a 'peachy' yellow
- Characteristic "W" or "U" shape between the antennae
- Winged forms have a dark thorax and a green abdomen



Potato Aphid

- Relatively large
- Green to rose-colored
- Oblong-shaped bodies
- Winged forms do not have black heads



The OSU insect ID service can help you with your samples. Please contact Carol Mills 541-567-8321. *Your extension agent*

HAREC Plant Pathology Lab Potato Disease Update 6/7/13

The cold spring resulted in numerous potato fields in the Columbia Basin suffering frost damage. Severe frost damage can completely burn off sprouts which will often be replaced by others. Milder damage can sometimes result in herbicide like leaf distortions. No late blight was detected in seed this spring, however one seed piece did test positive for bacterial ring rot. Growers are encouraged submit plants with possible ring rot symptoms for testing. The first potato psyllid detected in the lower Columbia Basin this year tested negative for the zebra chip pathogen, *C. Liberibacter solanacearum*. Jordan Eggers, OSU HAREC Plant Pathology Lab Manager

