

POTATO UPDATE

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Hermiston Agricultural Research and Extension Center

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Don't let thrips bite

Thrips are very small insects with highly specialized rasping-sucking mouthparts.

In potatoes, 95 (plus %) of thrips are the western flower thrips (WFT) <http://www.ozthrips.org/terebrantia/thripidae/thripinae/thrips-tabaci/>. They are plant feeders, extracting the contents of individual plant cells making characteristic damage (see pictures).

WFT are often found in flowers, but it is also found on potato leaves.

In the past, thrips were NOT thought of as a pest of potatoes; however, thousands of acres of potatoes are currently being treated against this pesky pest.

Are thrips causing any economic damage? The jury is out! We exactly do not know. This year, we are finding thousands per potato plant, but plants are doing just fine. We'll see.

There are no control recommendations for thrips specifically due to the lack of information about the pest. No much research related to potatoes has been conducted on this insect as yet in the Pacific Northwest.

If using insecticides to target thrips, it's important to keep in mind **the impact your control selection of insecticides has on your overall pest management** program. For more information please check:

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

<http://www.nwpotatoresearch.com/IPM-Thrips.cfm>

Silvia Rondon.....Extension Entomologist



Thrips damage (above) (photo credit, OSU-IAEP); adult and immature thrips (photo credit

<http://www.nwpotatoresearch.com/IPM->

Late Blight Hotline Number

Oregon State University (800) 705-3377

Psyllids and LSO this week

The HAREC Plant Pathology Lab tested 671 psyllids this week for the present of Lso, with **one positive found**. This brings the total number of psyllids tested this season to 805, **with two positives for Lso**. Small number compared to all psyllids may be out there. If you have questions about psyllid molecular testing, please call 541-567-8321 or email Robert Cating at Robert.cating@oregonstate.edu. *Robert Cating and Phil Hamm*

FYI- The Potato Association of America
98th Annual Meeting
July 27-31, 2014
Spokane, Washington
Hosted by [Washington State University](http://www.wsu.edu)
<http://cm.wsu.edu/ehome/index.php?eventid=68692&>

Thanks Oregon Potato Commission <http://www.oregonspuds.com/> for funding our trapping efforts.



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	1	0	3	1	0	36
2	0	0	5	3	0	152
3	0	0	1	6	1	81
4	1	0	14	2	0	85
5	1	6	63	1	0	61
6	0	0	4	0	2	35
7	0	0	4	1	0	23
8	0	0	6	4	0	19
9	0	1	24	0	22	21
10	2	1	5	0	0	16
11	0	0	5	2	0	6
12	0	1	35	1	0	9
13	44	0	28	0	2	5
14	2	1	2	0	0	2
15	0	1	8	1	0	24
16	0	0	7	1	0	23
17	1	0	2	3	0	21
18	0	0	1	0	0	1
19	0	0	0	0	0	1
20	0	0	0	0	0	1
21	0	0	2	0	0	0
22	0	0	0	0	0	2
23	0	1	0	0	1	2
24	0	1	0	0	0	1
25	1	0	1	1	0	7
26	1	1	4	0	0	7
27	1	0	13	0	1	4
28	0	1	3	0	0	0
29	0	0	2	0	0	1
30	0	0	0	0	0	1
31	5	1	4	0	0	0
32	0	0	4	0	1	17
33	0	5	3	3	3	3
34	2	0	1	1	0	410
35A	0	0	0	-	-	-
35B	0	0	0	1	0	1
36A	0	0	0	0	0	10
36B	0	0	3	0	0	3

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

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

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

TRAP	PP	OP
1	10	7
2	0	17
3	0	135
4	0	4
5	0	3
6	0	0
7	0	0
8	0	12
9	0	9
10	2	10
11	0	1
12	0	2
13	0	1
14	0	1
15	0	6
16	0	8
17	0	1
18	-	-
19	-	-
20	1	0
21	0	0
22	0	0
23	1	3
24	0	13
25	0	1
26	0	8
27	0	16
28	0	52
29	0	20
30	0	3
31	0	0
32	0	6
33	0	0
34	0	1
35A	0	0
35B	0	1
36A	0	0
36B	0	0

PP: Potato Psyllids
 OP: Other Psyllids