

POTATO UPDATE

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Hermiston Agricultural Research and Extension Center

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2015 Season at the OSU Irrigated Agricultural Entomology Program

What pests will the 2015 growing season be best known for? Probably, most of you will say: psyllids. And you may be right. Samples have been gradually filling up the lab here at the OSU Entomology Lab. Psyllids numbers increased considerably in the last several weeks although Lso was relatively low (Lso is responsible for Zebra Chip disease). Information about psyllids and ZC may be found here: <http://ir.library.oregonstate.edu/xmlui/bitstream/handle/1957/30058/pnw633.pdf> .



On the field front, there have been concerns with viruses and phytoplasma diseases diagnosis. “Worms” are on their way up right now. On the home landscape front, there has been a steady influx of seed bugs. Please refer to our website <http://oregonstate.edu/dept/hermiston/ipm-insect-ecology-biological-control> for additional information.

This year, we had two workshops organized by OSU, WSU and U of I. If you were not able to attend, take the time to visit our site and take advantage of our resources <http://extension.oregonstate.edu/umatilla/ipm>. Material will be added regularlySilvia Rondon, Extension Entomologist Specialist.

In order to improve our service, please stay tune for our upcoming survey!!!!

Happy Harvest!!!!

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Pg. 2 of 3

LATE BLIGHT HOTLINESponsored by Syngenta

[Oregon State University](http://www.oregonstate.edu): 1-800-705-3377

[University of Idaho](http://www.uidaho.edu): 1-800-791-7195

[Washington State University](http://www.wsu.edu): 1-800-984-7400

Extension Plant Pathology Diagnostic Lab Update

This week, 2,432 potato psyllids were tested for '*Candidatus Liberibacter solanacearum*' (Lso), the bacterial pathogen responsible for zebra chip disease of potato. No submissions tested positive for the presence of Lso suggesting the rate of Lso infection in the potato psyllid population is low. Nine tuber sample submissions with internal symptoms of zebra chip disease tested positive for the presence of Lso.

Other notable pathogens passing through the clinic this week were *Alfalfa mosaic virus*, PVY, powdery scab, and tuber soft rot.

Questions about sample submission should be directed toward to the plant pathology lab at 541-567-8321...*Bryce Robinson, Robert Cating, and Ken Frost*, Plant Pathology Lab

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	-1	-1	-1	-1	-1	-1	-1	-1
2	0	0	62	4	1	0	0	0
3	5	0	3	9	2	0	1	2
4	3	0	5	17	28	0	0	7
5	2	0	0	25	3	3	3	13
6	-1	-1	-1	-1	-1	-1	-1	-1
7	-1	-1	-1	-1	-1	-1	-1	-1
8	0	0	9	24	2	0	3	8
9	0	0	0	0	0	0	4	2
10	2	1	2	18	0	1	1	2
11	-1	-1	-1	-1	-1	-1	-1	-1
12	-1	-1	-1	-1	-1	-1	-1	-1
13	-1	-1	-1	-1	-1	-1	-1	-1
14	13	0	0	8	0	0	0	10
15	32	0	0	0	1	0	52	12
16	-1	-1	-1	-1	-1	-1	-1	-1
17	-1	-1	-1	-1	-1	-1	-1	-1
18	-1	-1	-1	-1	-1	-1	-1	-1
19	-1	-1	-1	-1	-1	-1	-1	-1
20	0	0	0	0	0	0	0	6
21	0	0	0	0	0	-1	-1	-1
22	0	0	0	1	0	0	0	3
23	-1	-1	-1	-1	-1	-1	-1	-1
24	-1	-1	-1	-1	-1	-1	-1	-1
25	9	0	0	0	0	0	7	0
26	-1	-1	-1	-1	-1	-1	-1	-1
27	-1	-1	-1	-1	-1	-1	-1	-1
28	4	0	0	0	0	0	0	1
29	0	0	0	0	0	-1	-1	-1
30	0	0	1	16	0	-1	-1	-1
31	-1	-1	-1	-1	-1	-1	-1	-1
32	2	0	0	1	0	0	0	0
33	0	0	0	4	0	0	0	0
34	96	0	0	5	1	0	0	1
35	-1	0	0	1	5	-1	-1	-1
36	-1	-1	-1	-1	-1	-1	-1	-1

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