

POTATO UPDATE

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Hermiston Agricultural Research and Extension Center

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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.

Feature creature of the week: potato psyllid

Genus: Bactericera

Specie: cockerelli

Common names: potato psyllid, tomato psyllid

Origin: South North America

Hosts: Solanaceae (potato, tomato, pepper, bitter sweet nightshade, etc); Convolvulaceae (bindweed, morning glory, sweet potato, etc).

Zebra Chip is a diagnosed disease of potatoes associated with psyllid infestation and caused by species of the gram-negative bacterium, *Candidatus Liberibacter*.



Control options can be found <http://insect.pnwhandbooks.org/vegetable/irish-potato/potato-irish-psyllid>.
Silvia Rondon, Extension Entomologist.

Extension Plant Pathology Diagnostic Lab Update

Potato diagnostic sample submissions continue to rise. As with the previous two weeks, *Potato virus Y* (PVY) has been detected and PVY determined on a daily basis. Early blight has also been found on a few submissions, as well as black leg. Questions about sample submissions should be directed to the Plant Pathology Lab at 541-567-8321.

This week, 87 potato psyllids were tested for '*Candidatus Liberibacter solanacearum*', the pathogen responsible for zebra chip. No positives were found this week.

Late Blight Update

From Dennis Johnson:

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Potato fields are green and looking healthy throughout the Columbia Basin. Late blight has not been reported as of this date. Probability that late blight will occur in the Columbia Basin this year is 80%. Last year the probability was 85%. May was wet and cloudy which favors early development of late blight. Consequently, fields should be treated with a late blight fungicide on at least a 10 day schedule through June 30. Fields should be monitored thoroughly and frequently for late blight. Pay particular attention for late blight near the pivot center, wheel lines and in low lying areas. Refuse tubers and cull piles should be destroyed and volunteer potatoes, especially in fields where late blight was present last year, need to be managed.

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**

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Insect Trap Report

Area Pest Alert, Umatilla & Morrow County. Traps are collected Thursday. Please note "-1" value means no data

Date (m/d)	Trap ID	PTM	BLH	OLH	PP	OP	GPA	PA	OA
6/5	1	1	0	0	0	8	0	0	8
6/5	2	0	0	1	0	12	0	0	0
6/5	3	0	1	2	0	28	0	0	0
6/5	4	1	0	4	0	45	0	0	0
6/5	5	0	0	1	0	1	0	0	1
6/5	6	0	0	1	0	7	0	0	1
6/5	7	0	0	0	0	3	0	0	1
6/5	8	0	0	3	0	17	0	0	0
6/5	9	0	0	0	0	2	0	0	1
6/5	10	0	0	0	0	0	0	0	4
6/5	11	0	1	0	0	2	0	0	0
6/5	12	0	1	2	0	4	0	0	0
6/5	13	0	0	1	0	1	0	0	0
6/5	14	1	0	0	0	0	0	0	2
6/5	15	0	1	0	0	0	0	1	0
6/5	16	0	1	0	0	1	0	0	1
6/5	17	0	0	5	1	0	0	0	0
6/5	18	0	0	0	0	0	0	0	0
6/5	19	0	2	1	0	1	1	0	0
6/5	20	0	0	0	0	0	0	0	0
6/5	21	0	0	0	0	2	0	0	1
6/5	22	0	0	0	0	0	0	0	0
6/5	23	0	0	0	0	0	0	0	0
6/5	24	0	0	1	0	0	0	0	0
6/5	25	0	0	0	0	1	0	0	0
6/5	26	0	0	0	0	0	0	0	0
6/5	27	2	0	0	0	3	0	0	2
6/5	28	0	1	2	0	1	0	0	0
6/5	29	0	0	0	0	1	0	0	1
6/5	30	0	0	0	0	0	0	0	0
6/5	31	0	3	2	0	1	0	0	1
6/5	32	0	3	3	0	1	0	1	0
6/5	33	0	1	2	1	1	0	0	3
6/5	34	4	0	0	0	0	0	0	1

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.

