

POTATO UPDATE

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Hermiston Agricultural Research and Extension Center

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Late-season populations of Colorado potato beetle

Colorado Potato Beetle (CPB) has developed very high levels of resistance to insecticides in many parts of the country. Most populations in the Pacific Northwest are still susceptible to most labeled products so please be aware.

Carefully rotating chemical modes of action is critical to slow the development of insecticide resistance. The choice of insecticide should be based on effectiveness and not pricing. Also, while providing good coverage of the plants, products should be applied at the full recommended effective dose. Young larvae are the most susceptible to insecticides; adults are more difficult to control.

- See more at: <http://insect.pnwhandbooks.org/vegetable/irish-potato/potato-irish-colorado-potato-beetle#sthash.cLAktDSb.dpuf>



Pictures. Late CPB infestation in the lower Basin (IAEP (Rondon's lab)

If you find late season infestations of CPB please let me know. I will be happy to visit your field.....*Silvia Rondon, Extension Entomologist (541) 567-8321*

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Plant Pathology Lab Update

Late Blight Update. Dennis Johnson's late blight line was updated on September 12th as follows: "Late blight is present southwest of Mesa, north of Eltopia and west of Hermiston. The strain in Franklin County is US 8. This is the A2 mating type and is metalaxyl (Ridomil) resistant. Fields should be dried to 70% to 75% available soil moisture before replenishing with irrigation water. Fields in the Columbia Basin should be treated with a late blight fungicide on a 7-14 day schedule until harvest. Fields with late blight and fields adjacent to fields with late blight should be on the 7-day schedule. Harvest only during dry weather and when vines are dry. Fields should be monitored frequently for late blight. Inspect tubers in storage for rot, especially during the first six weeks of storage. Please contact Dennis Johnson at 509-335-3753 to report, confirm, or make a late blight diagnosis. They need isolates to determine the strain from other locations in the Northwest. The hotline number is 1-800-984-7400." Samples can also be sent to the HAREC Plant Pathology Lab for diagnosis.

Potato Psyllids. 1675 potato psyllids were tested this week for Lso, the bacterium that causes zebra chip in potato tubers; 4 of them were found positives. If you have questions about any testing services, call the lab at 541-567-8321 or email Robert.cating@oregonstate.edu....*Robert Cating and Phil Hamm*

Funding for the regional insect sampling network comes from a grant of the Oregon Potato Commission. The project is also supported by a grant of the USDA Technical Assistance for Specialty Crops Program. This is the last report of the season. Thanks to Carol Mills, Louis Douglass, Annette, Teraberry, Alex Murphy and other contributors.



Soon Training IPM Professionals in Rural Areas 2015 Workshop

OSU, WSU and UI faculty are planning in providing agricultural personnel in the Pacific Northwest and beyond a high quality, multifaceted training program to increase their knowledge of integrated pest management. The program will include 2 ½ day experiential learning workshops that will address identification of pest problems (insect, weeds and diseases), pest management assessment, scouting, identification and reporting skills.....stay tunedQuestions?

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Insect Trap Report

Area Pest Alert, Umatilla & Morrow Co.

Traps are collected on Thursdays.

TRAP	PTW	BLH	OLH	GPA	PA	OA
1	-	-	-	-	-	-
2	-	-	-	-	-	-
3	-	-	-	-	-	-
4	6	0	1	2	0	9
5	5	0	0	0	0	5
6	-	-	-	-	-	-
7	10	0	0	0	0	5
8	2	1	0	0	0	5
9	0	0	1	0	1	7
10	-	-	-	-	-	-
11	-	-	-	-	-	-
12	-	-	-	-	-	-
13	-	-	-	0	0	2
14	19	0	0	0	0	19
15	17	0	0	5	0	100
16	37	0	0	3	0	38
17	-	-	-	-	-	-
18	-	-	-	-	-	-
19	-	-	-	-	-	-
20	-	-	-	-	-	-
21	31	0	0	0	0	14
22	7	0	2	0	0	14
23	20	0	2	0	0	5
24	-	-	-	-	-	-
25	55	0	2	0	0	11
26	-	-	-	-	-	-
27	-	-	-	-	-	-
28	-	-	-	-	-	-
29	17	0	0	2	0	9
30	9	1	0	4	0	71
31	-	-	-	-	-	-
32	0	0	0	0	0	10
33	4	0	1	0	0	6
34	9	0	1	0	0	30

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

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

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

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

PP: Potato Psyllids
 OP: Other Psyllids