O R E G O N S T A T E U N I V E R S I T Y

POTATO UPDATE

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Late Blight Alert
by Carrie Wohleb (Washington State University)

"**Late blight has been reported and verified at two locations near Pasco**. Recommendations for fungicide applications now need to be changed from last week. **Fungicide applications should be made every 5 to 7 days in fields with late blight and fields adjacent to those with late blight. Fields north of Pasco to Basin City should be treated on a 7 to 10 day schedule.** Monitor fields for late blight frequently and please let Dennis Johnson know about any new infected fields. More late blight samples are needed to determine the genotypes in the Columbia Basin. All growers in the Basin should monitor weather forecasts daily and apply a fungicide before any major rainfall. Be careful not to overwater fields. Potato plants generally shut down and stop translocating water as temperatures increase above 90 degrees F. Extra water under these conditions add to tuber rot problems and potentially more late blight" http://www.icontact-archive.com/u_oBnXOZ_w2Awyiy2mGzeGMlJq8Q0Cxu?w=4 .

LATE BLIGHT HOTLINE ….Sponsored by Syngenta
Oregon State University: 1-800-705-3377
University of Idaho: 1-800-791-7195
Washington State University: 1-800-984-7400

Current heat wave affecting crops

Temperatures reached over 100 degrees this past week and the high temperature will continue. If you wonder hot heat will affect your crops, I found two articles, one by Larry Hiller http://www.cals.uidaho.edu/potatoes/Research&Extension/Topic/Growth&Physiology/SymptomsOfHeat&WaterStressOnPotatoes-02.pdf and a second one by Mike Thornton http://www.cals.uidaho.edu/potatoes/Research&Extension/Topic/Growth&Physiology/EffectsOfHeat&WaterStressOnThePhysiologyOfPotatoes-02.pdf discuss how stress can affect growth and tuber production. Check them out. In summary, heat can alter plant growth and restrict tuber capability; depending when the heat occurred, lower yields may be expected.

Still looking for Colorado potato beetle, Lygus and Stubby root nematode samples!!!!!

We are requesting help from growers in obtaining samples of CPBs (at least 20 beetles per farm), Lygus (live ones!!!) and Stubby root nematodes from throughout the Columbia Basin.

Any growers and/or field men who are willing to sample from their farm please contact Silvia and/or Ken at 541-567-8321 (silvia.rondon@oregonstate.edu; ken.frost@oregonstate.edu). We will send you simple instructions for collecting and materials for shipping …..*Silvia Rondon, Extension Entomologist* Specialist; *Ken Frost, Extension Plant Pathologist*

Pesticide information online available

NPIC Pesticide Research Online http://npic.orst.edu/
CDMS also provide excellent information http://www.cdms.net/Label-Database.
WSU Pesticide information center http://picol.cahe.wsu.edu/LabelTolerance.html

Extension Plant Pathology Diagnostic Lab Update

This week, 1379 Potato psyllids were tested for '*Candidatus* Liberibacter solanacearum' (Lso), the bacterial pathogen responsible for zebra chip disease of potato. One submission, one trap consisting of 31 psyllids, tested positive for the presence of Lso. *Potato virus Y* (PVY) remains the most common potato pathogen among clinic submissions.

While Late blight has been reported and verified North of Pasco, WA, late blight has NOT been detected in Oregon at this time. No Late blight positive samples have passed through the lab this season. If you suspect late blight is affecting your field please contact Ken Frost or Robert Cating immediately to report, confirm, and/or diagnose late blight. 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.

O R E G O N S T A T E U N I V E R S I T Y

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	36	0	2	2	3	0	0	0
2	0	3	8	0	0	0	0	0
3	2	1	12	0	30	0	0	0
4	1	0	41	3	13	0	0	0
5	2	7	13	2	1	0	3	0
6	2	0	33	2	0	0	0	0
7	0	0	2	0	0	0	0	0
8	0	8	96	0	0	0	0	0
9	0	0	6	0	0	0	0	0
10	1	1	7	0	0	0	0	0
11	0	1	11	0	1	0	0	0
12	0	3	10	0	0	0	0	0
13	0	4	14	0	0	0	1	0
14	0	10	8	0	2	0	0	0
15	5	0	11	0	0	0	0	0
16	1	1	2	0	0	0	0	0
17	0	21	7	0	0	0	1	0
18	1	22	5	0	0	0	0	0
19	1	1	6	0	0	0	0	0
20	0	2	5	0	0	0	0	0
21	0	1	2	0	0	0	0	0
22	0	0	1	0	0	0	0	0
23	0	0	6	10	20	0	0	0
24	0	7	10	0	0	0	0	1
25	2	0	5	0	0	0	0	1
26	0	0	1	0	2	0	0	0
27	7	6	37	0	0	0	1	0
28	0	1	20	0	0	0	1	0
29	0	0	15	0	1	0	0	0
30	0	1	6	0	0	0	0	0
31	1	9	52	0	0	0	0	0
32	0	56	86	0	0	0	0	0
33	1	65	55	0	0	0	0	0
34	36	5	3	0	0	0	0	0
35	-1	0	3	0	0	0	0	0
36	-1	1	2	0	0	0	0	0

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