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POTATO UPDATE

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Hermiston Agricultural Research and Extension Center

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Insect Trap Report

Area Pest Alert, Umatilla & Morrow Co.
Traps are collected on Thursdays.

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

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

From BLH yellow sticky cards located outside potato circles.

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

PP: Potato Psyllids
OP: Other Psyllids

Officially… Welcome to the 2014 Potato Update!!!!

I would like to welcome everyone to the **2014 Oregon State University Potato Update**, sponsored by the Oregon Potato Commission and the OSU Extension Service located at the Hermiston Agricultural Research & Extension Center (HAREC). Our channel for information on pest monitoring from the Irrigated Agricultural Entomology and by the Plant Pathology Program.

We will continue providing our readers with the most science-based and timely information possible regarding insect and diseases in the Columbia Basin.

We wish everyone a safe and productive growing season…..***Silvia Rondon and Phil Hamm***

New Insecticides for release in 2014!!!!
Bayer CropScience
Sivanto, is scheduled for approval in mid-2014. This is a new class of insecticide: butenolides, which is systemic in the xylem and translaminar to the leaf. This insecticide attacks the nervous system of sucking insects including aphids, psyllids and leafhoppers.

Marrone Bio Innovations
Venerate is scheduled in the first quarter of 2014. It has contact and oral toxicity and targets chewing and sucking insects including loopers and psyllids. It is a biopesticide that uses heat-killed bacterium strains.

In 2013….
Syngenta released the foliar insecticide Besiege which targets armyworms, Colorado Potato Beetle, psyllids, stinkbugs, potato tuberworm, thrips and leafminers. This insecticide impairs muscle regulation and induces paralysis.

Dow Agroscience introduced Transform WG for psyllids, leafhoppers and aphids. This insecticide has contact and ingestion toxicity displaying a good systemic and translaminar activity.

Silvia Rondon, *extension entomologist*

The Plant Pathology Laboratory on the Hermiston Agricultural Research and Extension Center is dedicated to providing plant disease diagnostic services to the agricultural industry of the Columbia River Basin and to greater Oregon. We employ traditional diagnostic techniques as well as modern technologies to diagnose diseases of crops being grown in the Pacific Northwest. The laboratory is equipped to test for all plant pathogens including viruses, fungi, and bacteria and uses state of the art techniques. Molecular tests (DNA) are available for virtually every potato pathogen in the Columbia Basin. We have some new techniques in place that greatly decrease both the time required to identify certain pathogens and cost. Over the next few weeks, we will be detailing some of the services we provide in the Potato Update.

Phil Hamm and Robert Cating, Plant Pathologists

Mark your calendars: OSU-HAREC Potato Field Day June 25.
Lunch sponsored by Syngenta.