

# POTATO UPDATE

Hermiston Agricultural Research and Extension Center

June 24, 2011

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### Insect Trap Report

Area Pest Alert Serving Umatilla and Morrow Counties

Traps are collected on Thursdays.

TRAP	PTW	BLH	OLH	PA	GPA	OA
1	0	2	19	0	0	0
2	0	0	52	0	0	0
3	0	0	16	0	0	2
4	0	3	28	0	0	1
5	0	1	39	0	0	0
6	0	0	7	0	0	2
7	0	1	88	0	1	1
8	0	5	16	0	0	0
9	0	0	14	0	0	0
10	0	0	11	0	0	1
11	0	0	16	0	0	0
12	0	0	20	0	0	0
13	0	1	21	0	0	0
14	0	0	1	0	0	0
15	0	0	17	0	0	0
16	0	0	0	0	0	0
17	0	1	4	0	0	1
18	0	4	2	0	0	0
19	0	2	13	0	0	0
20	0	4	20	0	0	0
21	0	0	5	0	0	1
22	0	0	5	0	0	0
23	0	0	6	0	0	0
24	0	0	5	0	0	0
25	0	1	12	0	0	0
26	0	0	9	0	0	1
27	0	8	8	0	0	0
28	0	0	4	0	0	0
29	0	2	15	0	0	0
30	0	0	16	0	0	0
31	0	0	3	0	0	1
32	0	0	3	0	0	0
33	0	2	42	2	0	1
34	0	1	19	0	0	0

PTW: Potato Tuberworm

BLH: Beet Leafhopper

OLH: Other

PA: Potato Aphids

GPA: Green Peach Aphid

OA: Other Aphids

### FYI

#### Aphids-Part II “Potato Leaf Roll Virus”

- Aphids on potato are a serious pest because of their ability to transmit several plant viruses.
- The most important virus disease, *potato leaf roll virus* (PLRV), causes a tuber symptom in some varieties called **net necrosis**.
- Virus is acquired by aphids in minutes to hours.
- This internal discoloration is not acceptable in the marketplace.
- PLRV is transmitted in a persistent manner: once an aphid is infected by the virus, it can transmit to uninfected plants for the rest of its life.
- Few aphid species can transmit this virus to potatoes; green peach aphid is by far the most important vector.



*Myzus persicae* (a.k.a. green peach aphid. This is the viviparous female. Photo credit. A. Jensen (WSPC).

Current and historical data at:

<http://oregonstate.edu/dept/hermiston/trap-reports>

OSU-HAREC Entomology:

<http://oregonstate.edu/dept/hermiston/entomology-laboratory>

#### Late Blight Confirmed

Late blight was confirmed north of Pasco on Tuesday, June 21<sup>st</sup>. May have originated from infected seed. For updated information on location of future reports and control information call the **Oregon Late Blight Hot line at 1-800-705- 3377**.

The OSU Area-wide monitoring program support is provided by the Oregon Potato Commission and OSU Extension Service. **This is an alert system; growers are encouraged to install their own traps for field specific monitoring.**