

## POTATO UPDATE

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Hermiston Agricultural Research and Extension Center

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### Calendar of upcoming events

<b>May 12</b>	11 AM Seminar second candidate for the Agronomist position.
<b>May 19</b>	OSU-HAREC Grass Seed Field Day. Hermiston, OR.
<b>June 8</b>	OSU-HAREC Wheat Field Day. Hermiston, OR.
<b>June 8-10</b>	Integrated pest management training. Hermiston, OR.
<b>June 24-26</b>	Integrated pest management training. Colfax, WA.
<b>June 24</b>	OSU HAREC Potato Field Day. Field Day starts at 8:30 AM. Hermiston, OR.
<b>June 25</b>	WSU Potato Field Day. Othello, WA.

Note: There are two openings for the IPM training session June 8-10. For information contact Annette Teraberry T 541-567-8321 or [annette.teraberry@oregonstate.edu](mailto:annette.teraberry@oregonstate.edu)

### WEB MAP LINKS

Hyperlink for PDF

<https://andersongeog.maps.arcgis.com/apps/webappviewer/index.html?id=e857a721431642188fa27b04c2f7c270>

### Welcome to HAREC!

If you heard Phil Hamm saying “PVY can reduce yield and tuber quality” he probably is right. However, there are many aspects of the relationship between the aphids and viruses that need to be investigated. As part of a national effort, the entomology and plant pathology at HAREC hired Dr. Sudeep Bag this summer. He shall be working on potato tuber necrotic disease caused by RNA viruses such as PVY. Sudeep earned his PhD degree in Plant Pathology with specialization on molecular virology and diagnosis from Washington State University, Pullman WA. He is joining HAREC with experience in virus disease diagnosis and management using diagnostic, conventional and transgenic approach. During his research career he has worked on various virus-host combinations and developed molecular and serological diagnostic techniques for timely, precise and accurate diagnosis. His earlier work includes studies on different viruses in various cropping systems as *Iris yellow spot virus* (IYSV)-onion, Grapevine red blotch virus-grapes, Nectarine stem pitting associated virus-Nectarine, *Tobacco streak virus*-peanut, *Papaya ringspot virus*-papaya among others. Please, welcome Sudeep. He should be travelling around the area setting up plots, and collecting material for our studies.....*Silvia Rondon, Extension Entomologist*



### Watch out for those grubs

White grubs, in general, refer to several species in the scarabeidae beetle family which injure primarily grass crops. Depending on specie, these grubs are commonly on a three-year cycle with the larval stage remaining the soil.

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However, these do not seem to affect potatoes. The annual white grub that potentially affects potatoes is referred to as the “sand” chafer (*Strigoderma*) because it is associated with sandy ground; found in potato fields, the “rose” chafer (*Macroductylus*) and the “masked” chafer (*Cyclocephalia* sp.), are also common. These beetles live in the soil and feed on roots and sometimes potato tubers, causing shallow, wide depressions in tubers. They rarely cause significant damage in potatoes, most often being found in the spring as soil is prepared for potatoes and other crops.

- See more at: <http://insect.pnwhandbooks.org/vegetable/irish-potato/potato-irish-white-grub#sthash.skDlysHi.dpuf>



*Strigoderma, Macroductylus and Cyclocephalia* online pictures

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