

# Preventing and Managing Pesticide Resistance Risk in Onions Workshop

February 7, 2018

9 am to 12 pm

Malheur Extension Office, 710 SW 5<sup>th</sup> Ave., Ontario

No registration charge!

CCA, Idaho and Oregon Applicator Credits

## Instructors:

Paul Jepson, Integrated Plant Protection Center, OSU

Mary Halbleib, Integrated Plant Protection Center, OSU

Stuart Reitz, Malheur County Extension, OSU



**What we want to avoid: Potential Glyphosate-resistant Kochia in the Treasure Valley**

This will be an interactive workshop for growers and crop consultants to increase knowledge regarding the importance of pesticide resistance, and methods to minimize the development of pesticide resistance, and methods to reverse resistance should it occur. The focus of the workshop will be on pests of onions, especially weeds, like yellow nutsedge, and insects, like onion thrips. The workshop will be a combination of presentations, hands-on exercises for the participants, and discussion among the participants and instructors. Participants will work in groups to facilitate information exchange on exercises related to pesticide resistance and its management. There will be a general discussion session following each exercise.

**9:00 – 9:45 am: Pesticide Resistance Information for Onions:** Review of pesticide resistance information developed by the Integrated Plant Protection Center at Oregon State University. The discussion will review these tables on pesticide resistance and how they are used by growers and crop consultants to identify which pesticides to use in a pest management program in order to prevent pesticide resistance.

**9:45 – 10:15 am: Modes of Action Tables – Exercise**

**10:15 – 10:30 am: Break**

**10:30 – 11:30 am: Onion Pest Management Program – Exercise:** Given a set of onion pesticide programs, participants will use the pesticide resistance tables to create alternate pesticide rotation programs that lower the risk of resistance (by pest).

**11:30 to noon: Pesticide Resistance Discussion:** Discussion on the challenges and insights in altering pesticide programs to minimize the development of resistance, and evaluation of the workshop.

**College or high school students interested in summer research jobs, please contact Stuart Reitz—[stuart.reitz@oregonstate.edu](mailto:stuart.reitz@oregonstate.edu) / 541-881-1417 / 208-740-4381**  
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