

**Pacific Northwest Vegetable Association Annual Conference and Trade Show  
November 20-21, 2019  
Three Rivers Convention Center – Kennewick, WA**

Sponsored By:



**Wednesday, November 20**

**Onion Session**

- 8:30 a.m. **Produce Safety Program: Reflections of the 1<sup>st</sup> Year of Produce Inspections**, Jill Wisheart, WSDA Produce Safety Program
- 9:00 a.m. **Avoiding Further Resistance Development and Insecticide Efficacy for Onion Thrips**, Dr. Stuart Reitz, OSU Ontario and Dr. Tim Waters, WSU Extension
- 9:45 a.m. **Alternative Insecticides for Seedcorn Maggot Management**, Dr. Stuart Reitz, OSU Ontario
- 10:00 a.m. Break - Trade Show
- 10:45 a.m. **Lessons Learned from the WSU Onion Cultivar Trial & Introduction of new WSU Soil Scientist**, Dr. Carrie Wohleb, WSU Extension and Dr. Deirdre Griffin LaHue, WSU
- 11:15 a.m. **Effective Identification and Treatment of Diseases Impacting Onion**, Dr. Lindsey du Toit, WSU Mt. Vernon NWREC
- 12:15 p.m. Luncheon
- 1:30 p.m. **Crop Rotation Strategies for Improved Weed Management in Onions**, Dr. Joel Felix, OSU Ontario
- 2:00 p.m. **Bacterial Rots of Onion: SCRI Project Update and Knowledge Gaps**, Dr. Lindsey du Toit, WSU Mt. Vernon NWREC
- 2:30 p.m. Break - Trade Show
- 3:15 p.m. **Onion Storage Management to Maintain Quality**, Eric Evans, Agri-Stor
- 3:45 p.m. **Drip Irrigation of Onions on Sandy Soils**, Dr. Scott Lukas, OSU Hermiston
- 4:15 p.m. **National Onion Association Update**, Greg Yielding, NOA

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**Wednesday, November 20**  
**General Vegetable Session**

- 8:30 a.m.     **Watermelon Plant Survival and Fruit Quality for Novel Grafting Methods**, Dr. Scott Lukas, OSU HAREC
- 8:45 a.m.     **The Need for New Asparagus Varieties**, Dr. Alan Schreiber, Ag Development Group
- 9:00 a.m.     **Pepper as an Alternative Crop for the Columbia Basin**, Sandya Kesoju, Columbia Basin College
- 9:30 a.m.     **Winter Legumes in Vegetable Cropping Systems**, Stephen Vanvleet, WSU
- 10:00 a.m.    Break - Trade Show
- 10:45 a.m.    **Remote Sensing Advances and its Applications in Crop Stress Monitoring**, Dr. Lav Khot, WSU
- 11:15 a.m.    **Mobile Drip Irrigation and Variable Rate Irrigation: A Review of the Existing Research**, Behnaz Molaei, WSU
- 11:45 a.m.    **Soil Health Opportunities and Assessment in Washington Vegetable Crops**, Dr. Deirdre Griffin, WSU
- 12:15 p.m.    Luncheon
- 1:30 p.m.     **Emerging Seed-borne Viruses in Vegetable Crops**, Dr. Naidu Rayapati, WSU
- 2:00 p.m.     **Heat Tolerance and Production of 38 broccoli varieties in the Columbia Basin**, Logan Clark, OSU
- 2:30 p.m.     Break - Trade Show
- 3:15 p.m.     **Beet Leafhoppers and the Diseases they spread to Vegetable and Seed Crops**, Dr. Carrie Wohleb, WSU Extension
- 3:45 p.m.     **Vegetable Disease Problems and Highlights from the HAREC Plant Clinic**, Dr. Hannah Rivedal, OSU
- 4:15 p.m.     **Reflecting on the Common Mistakes Observed during Inspections and Investigations: The Perspective of a WSDA Pesticide Investigator**, Ethan Estalilla, WSDA
- 4:45 p.m.     Trade Show Social

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**Thursday, November 21  
Pest Management Session**



Agriculture Division of DowDuPont

- 8:00 a.m. **Water Quality and Pesticides**, Jeff Jenkins, OSU
- 8:30 a.m. **Nematodes in Vegetable Crops**, Inga Zasada, USDA/OSU
- 9:00 a.m. **Pesticide Exposure – What does it look like?**, Jeff Jenkins, OSU
- 9:30 a.m. **Pesticide Information Center**, Kaci Buhl, OSU
- 10:00 a.m. Break – Trade Show
- 10:30 a.m. **Seedling Blights of Sweet Corn**, Ryan Solemslie, WSU
- 11:00 a.m. **Volunteer Crops as Weeds – How to control them**, Drew Lyon, WSU
- 11:30 a.m. **New Product Update**, Dr. Alan Schreiber, Ag Development Group
- 12:00 p.m. **Abiotic Causes of Disease-like Symptoms**, Dr. Carrie Wohleb, WSU Extension – Grant/Adams
- 12:30 p.m. **Carrot Cavity Spot**, Dr. Lindsey du Toit, WSU Mount Vernon NWREC
- 1:00 p.m. **Conference Adjournment**

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**Thursday, November 21  
Organic Session**

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- 8:00 a.m. Introduction, Scott Ockey
- 8:05 a.m. **Organic Herbicide Efficacy Report**, Dr. Alan Schreiber, Ag Development Group
- 8:35 a.m. **Seedcorn Maggot Biology and Management**, Dr. Tim Waters, WSU Extension
- 9:05 a.m. **Crop Nutrition Management: An Overview of the Physiological Roles of Macro, Secondary and Micronutrients in Crop Production**, Jimmy Ridgway, Yara
- 9:35 a.m. **Soil Biological Health in Organic and Conventional Vegetable Production**, Dr. Robert Kremer, University of Missouri
- 10:00 a.m. Break – Trade Show
- 10:30 a.m. **Biostimulants: Modes of Action and Efficacy**, Dr. Robert Kremer, University of Missouri
- 11:00 a.m. **Updates on Organic Standards and Requirements Update on Biostimulant Rules**, Brenda Book, WSDA
- 11:30 a.m. **TBD – Trends and Future Direction**
- 12:30 p.m. **Conference Adjournment**