Program at a Glance

CCA = Certified Crop Advisor
CEU = Certified Educational Units
ID = Idaho Pesticide Credits
OR = Oregon Pesticide Credits
WA = Washington Pesticide Credits

Wednesday – December 4, 2019

Potato Production AM 8:00 AM - 12:00 PM  Room 1 & 2
Hemp Session 8:00 AM - 12:00 PM  Room 3
Potato Production PM 1:00 PM - 5:00 PM  Room 1
Vegetable Session 1:00 PM - 5:00 PM  Room 2
General Session 1:00 PM - 5:00 PM  Room 3
Welcome Reception 4:30 PM - 6:00 PM  Lobby

Thursday – December 5, 2019

Cereal Session AM 8:00 AM - 12:00 PM  Room 1
Core Program $20 fee 8:00 AM - 12:00 PM  Room 2
Small Farms & Community Ag 8:00 AM - 10:00 AM  Room 3
Pollinator Workshop 10:30 AM - 5:00 PM  Room 3
Cereal Session PM 1:00 PM - 5:00 PM  Room 1
Core Program (Spanish) $20 fee 1:00 PM - 5:00 PM  Room 3
Farm Fair Banquet $40 per ticket 6:00 PM - 8:00 PM  Community Center

Friday – December 6, 2019 (BMCC-OSU PIAF Rooms)

Pest Management Session 8:00 AM - 12:00 PM  PIAF
Core Program $20 fee 8:00 AM - 12:00 PM  PIAF 107

All sessions are free to attendees except for the Core Programs which are $20. No pre-registration is required.
Oregon, Washington & Idaho pesticide credits will be available.
**WEDNESDAY, DECEMBER 4, 2019**

### POTATO PRODUCTION SEMINAR AM – Rooms 1 & 2

**Moderator** – Sagar Sathavalli, Oregon State University

- **8:00** Nutrient Uptake in Potato Production Systems Receiving Dairy Manure Applications - Amir Moore, OSU
- **8:30** Disease Resistance Genes in Potato: What Are They, and How Do They Work? - Kelly Vining, OSU
- **9:00** Pathogens You Should Worry About in Your Seed Potatoes - Ken Frost, OSU
- **9:30** Research Update from Oregon Potato Breeding and Variety Development Program - Sagar Sathavalli, OSU
- **9:45** Updates from the HABEC Interim Director - Clive Kaiser, OSU
- **10:00** Break
- **10:30** Evaluation of Nitrogen Requirement for Different Potato Varieties in the Columbia Basin - Ray Qin, OSU
- **11:00** Fusarium Dry Rot Management in the Pacific Northwest - Kasia Duellman, U of I
- **11:30** Current Status of Sipspod Inoculators in Potato - Brian Winn, 14Group

**HEMP SESSION – Room 3**

**Moderator** – Scott Lukas, Oregon State University

- **8:00** Managing Arthropods in a “New” Crop in Oregon – Silvia Rondon, OSU
- **8:30** Agronomics of Hemp Production - Yolcho Jelajakos, OSU
- **9:00** Update on Oregon in the World of Hemp - Jay Noller, OSU
- **9:30** How Can OSU Help You? Research Needs Assessment of Regional Hemp Producers - Scott Lukas, OSU
- **10:00** Break
- **10:30** Diseases Observed in Oregon Hemp in 2019 - Ken Frost, OSU
- **11:00** ODA and Hemp—How Hemp is Regulated by The ODA—Where We’ve been and Where We’re Going – Gary Mcintich, ODA
- **11:30** Pollen Exclusion in Hemp for Oil Production and Hemp Research at Colorado State University - Brian Mitchell, Colorado State University

### POTATO PRODUCTION SEMINAR PM – Room 1

**Moderator** – Sagar Sathavalli, Oregon State University

- **1:00** Sensing Technologies for Phenotyping Applications in Potato Breeding and Production - Sandhya Sathavalli, WASU
- **1:30** Elimination of Tobacco Rattle Virus from Viruliferous Paranichitovirus allius in Greenhouse Pot Experiments Through Cultivation of Cactus Rattus - Max Feldman, USDA
- **2:00** Impacts of Fumigants and Soil Applied Pesticides on the Soil Microbial Community - Xiaoping Li and Ken Frost, OSU
- **2:30** Exploring Genes with the Potential to Help Out with the PVY Problem - Max Combret and Amber Moore, OSU
- **3:00** Break
- **3:30** Overview of UV research at the OSU Irrigated Agricultural Entomology Program - Govinda Shrestha and Silvia Rondon, OSU
- **4:00** Pesticide Resistance Management - Over 15 Years Working with the Potato industry in OR and WA - Silvia Rondon, OSU
- **4:30** Potato Pest Management and Alternative to Fumigants - Russ Ingham, OSU
- **5:00** Break

### VEGETABLE SESSION – Room 2

**Moderator** – Scott Lukas, Oregon State University

- **1:00** Pepper as an Alternative Crop for The Columbia Basin - Sandiya Kesoju, WSU
- **1:30** Use of UAV’s and Multispectral Mapping in Vegetable Crop Production - Scott Lukas, OSU
- **2:00** Cover Crops (Including Hemp) in Irrigated Vegetable Systems - Brian Mitchell, Colorado State University
- **2:30** Nitrogen Management for Broccoli: Organic and Conventional - Dan Sullivan, OSU
- **3:00** Break
- **3:30** Winter Legumes in Vegetable Cropping Systems - Stephen Van Vleet, WASU
- **4:00** Heat Tolerance and Production of 38 Broccoli Varieties in the Columbia Basin - Logan Clark, OSU
- **4:30** Using Drip Irrigation in Onion Systems in the Sandy Lower Umatilla Basin - Scott Lukas, OSU
- **5:00** Session Ends

**WELCOME RECEPTION – Lobby**

4:30 - 6:00

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**THURSDAY, DECEMBER 5, 2019**

### CEREAL SESSION AM – Room 1

**Moderator** – Ray Qin, Oregon State University

- **8:00** Genetic Resistance to Wheat Diseases: Complexity and Opportunities - Chris Mundt, OSU
- **8:30** Dairy Manure Applications in Irrigated Wheat Production - Amber Moore, OSU
- **9:00** Herbicide-Resistant Weeds and Their Management - Judit Barroso, OSU
- **9:30** Developing Varieties for Improved Weed Management in Wheat - Robert Zemetra, OSU
- **10:00** Break
- **10:30** barley project update - Daniela Carrizo, OSU
- **11:00** Soliborne Wheat Mosaic Virus: Strategies for Avoiding Yield Loss - Christina Hagerty, OSU
- **11:30** Wheat Industry Update 2019 - Tyler J. Hansell, Oregon Wheat Growers League

**CORE PROGRAM - Room 2 Fee $20.00**

- **8:00** Worker Protection Standard. What does Compliance Look Like? - Kaci Buhl, OSU PSEP
- **9:00** Lessons Learned / Case Review and Updates - Mike Odenthal, ODA
- **10:00** ODA Updates: C & T Rule Changes, License Renewal Reminders - Laurie Jordan, ODA
- **11:00** What to Expect When the WSDA Comes A Knocking... and Other Paranormal Events - Tom Hoffmann, WSDA

**Small Farms & Community Agriculture – Room 3**

**Moderator** – Angie Treadwell, Oregon State University

- **8:00** Farm to School: Connecting Local Farms, Schools and Communities - Angie Treadwell, OSU, SNAP-Ed, Jordan Bryant, Gorge Grown Food Network

**POLLENINATION WORKSHOP**

- **10:30** Silvia Rondon - UAVs and Multispectral Imaging for Pest Management: Examples and Considerations
- **10:45** Jim Watts, OSU - Friendly Flower Gardens and Plantings
- **11:00** Carrie Wohleb, WSU - Do We Know Enough?

**CEREAL SESSION PM – Room 1**

**Moderator** – Ray Qin, Oregon State University

- **1:00** Nitrogen Management in Wheat Production - Aaron Esser, WSU
- **1:30** Health Soils and Crop Production Observations - Paul Carter, WASU
- **2:00** Mapping Nitrogen Use Efficiency on the go using Sensors and Remote Sensing Imaging - Huyen Tao, OSU
- **2:30** Update on Cereal Varieties for North Central Oregon, Ryan Grabaender, OSU
- **3:00** Break
- **3:30** Agronomic Practices for Cereal Cropping Systems - Ray Qin, OSU
- **4:00** Limagrain Cereal Seeds: Breeding Wheat for the PNW - Hannah Kammyer, Limagrain
- **4:30** Downy mildew and Ralatlil Recover in Winter Wheat - Trent Harrison, BASF

**SPANISH CORE PROGRAM – Room 3 Fee $25.00**

- **1:00** Primeros Auxilios y Respuesta a Derrames = First Aid and Spill Response - Sean Perez, OSU PSEP
- **2:00** Manos en Equipo de Proteccion Personal = Hands On Personal Protective Equipment - Garnet Cooke and Sarah Grasser, OSHA
- **3:30** Leyes Y Regulaciones relacionadas con pesticidas en Oregon = Oregon Pesticide Laws and Regulations – Gilbert Uribe, ODA
- **4:00** Como Debe el Aplicador Relacionar la Informacion en la Etiqueta de los pesticidas que Los va Amanecer que Match the Information on the Pesticide Label - Jaime Ramon, WSDA

**FRIDAY, DECEMBER 6, 2019**

**OSU-HAREC/BMCC PIAF Building 2121 S 1ST ST HERMISTON, OR 97838**

### PEST MANAGEMENT – Conference Room

**Moderator** – Silvia Rondon, Oregon State University

- **8:00** UAVs and Multispectral Imaging for Pest Management: Examples and Considerations - Will & Sarah Anderson, Anderson Geographic LLC
- **8:30** Hop Latent Viroid in Hemp and Other Crops - Ken Frost, OSU
- **9:00** Phytoplasmas in Irrigated Crops - Do We Know Enough? - Tiziana Oppedisano & Paul Carter, WSU
- **9:30** Insect Movement: How Far Can They Go? - Govinda Shrestha & Silvia Rondon, OSU

**Room 3 Fee $90.00**

- **10:30** Trapping Insect Programs in Washington - Carrie Wohleb, WSU
- **11:00** Utilizing the PNW Plant Diagnostic Clinics — How We Can Help You Diagnose! - Rachel Bomberger, WSU
- **11:30** The Microbe: How Microbial Interactions Influence Plant Health and Disease - Kayla Delventhal & Ken Frost, OSU

**Session Ends**

**CORE PROGRAM – Room 107 Fee $20.00**

**Moderator** – Ray Qin, Oregon State University

- **8:00** Worker Protection Standard. What does Compliance Look Like? - Kaci Buhl, OSU PSEP
- **9:00** Lessons Learned / Case Review and Updates - Mike Odenthal, ODA
- **10:00** ODA Updates: C & T Rule Changes, License Renewal Reminders - Laurie Jordan, ODA
- **11:00** What to Expect When the WSDA Comes A Knocking... and Other Paranormal Events - Tom Hoffmann, WSDA

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**GINGER & CRANBERRY BREAK**

- **1:00** Jordan Bryant, Gorge Grown Food Network - Friendly Flower Gardens and Plantings
- **1:15** Carrie Wohleb, WSU - Do We Know Enough?
- **1:30** Angie Treadwell, OSU, SNAP-Ed, Jordan Bryant, Gorge Grown Food Network - Friendly Flower Gardens and Plantings
- **1:45** Laurie Arstingstall, OSU - Worker Protection Standard. What does Compliance Look Like?
- **2:00** Katie Arstingstall, OSU - Friendly Flower Gardens and Plantings