40th Annual

Hermiston Conference Center
415 S. Hwy 395
Hermiston, OR 97838

December 4-6, 2013

Thank you Corporate Sponsors!

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ConAgra Foods / Lamb Weston  Pacific Ag Solutions
Express Employment Professionals  Pendleton Grain Growers, Inc.
**WEDNESDAY, DECEMBER 4, 2013**

**POTATO PRODUCTION SEMINAR AM – Main Stage**

**Moderator – Phil Hamm, OSU**

- **8:00** Bacterial Ring Rot, a Wide Spread Problem...What does it look like and what to do when found - Phil Hamm, OSU
- **8:30** Potato Virus Y resistant Potatoes from Conventional Breeding and Molecular Markers - Jonathan Whitworth, USDA
- **9:00** Fungicide Resistance of Two Species of Alternaria on Potato in the Columbia Basin of Washington - Lydia Tymon, WSU
- **9:30** Diagnosis and Management of Potato Diseases Caused by Soft Rot Bacteria - Jeremiah Dung, OSU
- **10:00** Break
- **10:30** Is Potato Mop-Top Virus the New Emerging Pathogen in the Columbia Basin? - Chuck Brown, USDA ARS
- **11:00** Searching for Fresh Pack Alternatives Through Economic and Taste Evaluations of Tri-State Varieties- Rhett Spear, WSU
- **11:30** Update on the New Cyst Nematode: Pathogenicity Tests and Other Research - Russ Ingham, OSU
- **12:00** Session Ends

**POTATO PRODUCTION SEMINAR PM – Main Stage**

**Moderator – Silvia Rondon, OSU**

- **1:00** The Value of High Resolution UAV Imagery in Precision Agriculture--Gene Bruce, Boeing Research & Technology
- **1:30** Update on Endowment to Support Potato Research and Extension - Bill Brewer, Oregon Potato Commission
- **1:50** New power rates that will take effect on January 1. Nate Rivera, Umatilla Electric
- **2:00** Potato Breeding...What are we doing? – Sagar Sathuvalli, OSU
- **2:30** Aphid Vectors of Potato Virus Y in Oregon and Washington - Alex Murphy, OSU
- **3:00** Break
- **3:30** Beyond Psyllids: Should we really worry about them? Silvia Rondon, OSU
- **4:00** How Do Potatoes Respond to Potato Virus Y attack – Aymeric Goyer, OSU
- **4:30** Insect Control in Potatoes in the Columbia Basin - Tim Waters, WSU
- **5:00** Session Ends

**GENERAL SESSION – Altrusa Room**

**Moderator –Don Horneck, OSU**

- **1:00** Biomass for the PGE Plant? – Wayne Lei, PGE
- **1:30** Arundo Donax Research – Nick Bechtoldt, OSU
- **2:00** Sorghum Research – Don Horneck, OSU
- **2:30** P Friend or Foe – Dan Sullivan, OSU
- **3:00** Break
- **3:30** NH4 Volatilization – Sara Del Moro, OSU
- **4:00** Economic Impacts of "New" Water - Bruce Sorte, OSU
- **4:30** N Friend or Foe? – Don Horneck, OSU
- **5:00** Session Ends

**CCA Credits:** 1NM, 1SW, 1.5CM

**Pesticide Recertification Credits:** 3 PM

**CCA Credits:** 3.5PM

**Pesticide Recertification Credits:** 2 PM

**CCA Credits:** 3PM

**THURSDAY, DECEMBER 5, 2013**

**FARM FAIR BANQUET – John and Marge’s Walchli’s banquet room, 79937 S Edwards Rd**

Tickets are $25 each. Purchase your tickets from the Hermiston Chamber of Commerce office.

- **6:00pm** No host social hour with music from John Wambeke
- **6:30** Dinner: tri-tip
THURSDAY, DECEMBER 5, 2013

GENERAL SESSION – Alturas Room
Moderator – Don Horneck, OSU
8:00 Lower Umatilla Basin Groundwater Management Area, Where Are We and Where Are We Going - Phil Richerson, DEQ
8:30 Interpreting Soil Moisture Monitoring Data - Gina Gray and Amy Baumgart, IRZ
9:00 Water Infiltration, What Is Wrong With Our Soil? – Markus Klebler OSU
9:30 Lindsay’s View on Precision Irrigation – Scott Jensen, Irrigation Specialist
10:00 Break
10:30 Deficit Irrigation - Chad Higgins, OSU
11:00 Valley’s View on Precision Irrigation – Kevin Reasoner, Service Manager, Valmont Northwest
11:30 Precision Irrigation, How Good Can We Get - Chad Higgins, OSU
12:00 Session Ends

CEREAL SESSION AM – Main Stage
Moderator – Don Wysocki, OSU
8:00 Western corn rootworm: From the Midwest to the Pacific Northwest - Alexandra Murphy, OSU
8:30 Dryland Hard Red Winter Wheat Production - Larry Lutcher, OSU
9:00 Stem Rust in Wheat - Steve Van Vleet, Crops Agent, WSU
9:30 Recent Advancements in Development of Deep Furrow Drills - Bill Schillinger, Research Agronomist WSU
10:00 Break
10:30 Potential of Quinoa as a Dryland Crop - Stephen Machado, Research Agronomist OSU
11:00 Management to Avoid Herbicide Resistance - Drew Lyon, Extension Weed Scientist, WSU
12:00 Session Ends

CEREAL SESSION PM – Main Stage
Moderator – Don Wysocki, OSU
1:15 Wheat Industry Update – Walter Powell, Oregon Wheat League
1:30 Agronomics of Corn Production - O. J. Barber, Agronomist, Dupont Pioneer
2:30 Pest Management of Early-Planted Canola - Don Wysocki, Extension Soil Scientist, OSU
3:00 Break
3:30 Wheat Marketing - Jordan Maley, Crop Agent, OSU
4:00 Soil Borne Wheat Mosaic Virus - Mike Flowers, Extension Cereal Specialist, OSU
4:30 Nematodes and their Management in Small Grains - Dick Smiley, Plant Pathologist OSU
5:00 Session Ends

CORE PROGRAM, Safe Pesticide Use – Altrusa Room - $10 fee
Moderator – Cory Cooley, ODA
1:00 Label Comprehension - Tim Weinke, OSU
2:00 Investigation and Enforcement, Avoiding Common Violations – Cory Cooley, ODA
3:00 Break
3:30 Herbicide Resistance - Gustavo Sabatella, OSU
4:00 Interactions of Soil with Pesticides – Don Horneck, OSU
5:00 Session Ends

INSECT PEST IDENTIFICATION WORKSHOP - Board Room - *Pre-registered only - $50 fee
* WORKSHOP FULL
Moderator – Mary Corp, OSU
1:00 Introduction to Insects Taxonomy and Basic Morphology - Silvia Rondon, OSU
Pest and Beneficial Insects in Wheat - Steve Van Vleet, WSU
Pest and Beneficial Insects in Potato - Stuart Reitz, OSU
Final remarks, Survey - Mary Corp, OSU
5:00 Session Ends

Pesticide Recertification Credits: 2OR, 1WA
CCA Credits: 1.5PM, 1.5CM

Pesticide Recertification Credits: 4
CCA Credits: 3PM

Pesticide Recertification Credits: 4
CCA Credits: 3.5PM

CCA Credits: 3.5SW
FRIDAY, DECEMBER 6, 2013

PESTICIDE SESSION – Main Stage
Moderator – Silvia Rondon, OSU
8:00 All About Corn: Pesky Problems and Beyond – Erik Echegaray, OSU
8:30 Oregon Department of Agriculture’s 2013 Hunt for Insect Pests – Paul Blom, ODA
9:00 Solanaceous Weeds and Their Management – Rick, Boydston, USDA ARS
10:00 Break
10:30 Insect Control in Onion Production – Tim Waters, WSU
11:00 Impact of Growing Conditions and Water Conditioners on Herbicide Efficacy - Gustavo Sabatella, OSU
11:30 Brown Marmorated Stink Bug (BMSB): Current Status and Research in the PNW – Nik Wiman, OSU
12:00 Session Ends

CORE PROGRAM, Safe Pesticide Use – Altrusa Room - $10 fee
Moderator – Cory Cooley, ODA
8:00 Interactions of Soil with Pesticides – Don Horneck, OSU
9:00 Label Comprehension - Tim Weinke, OSU
10:00 Herbicide Resistance - Gustavo Sabatella, OSU
10:30 Break
11:00 Investigation and Enforcement, Avoiding Common Violations – Cory Cooley, ODA
12:00 Session Ends

EXHIBITORS:

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FARM FAIR COMMITTEE:
Chair: Brian Allstott, Pendleton Grain Growers, Inc.
Heather Cannell, Hermiston Chamber of Commerce
Mary Corp, Oregon State University
Phil Hamm, Oregon State University
Larry Hanson, Buttercreek Equipment
Don Horneck, Oregon State University
Tracy Hunter, Hermiston Chamber of Commerce
Marti Katsel, Hermiston Chamber of Commerce
Debbie Pedro, Hermiston Chamber of Commerce
Kelly Schwirse, Hermiston Chamber of Commerce
Carrie Shilhanek, Simplot Grower Solutions
Silvia Rondon, Oregon State University
Annette Teraberry, Oregon State University
Don Wysocki, Oregon State University