



# CEREAL Newsletter

Vol. MMXVI No. 4

www.cerealcentral.com

November 2016

## Rain, variability and dancing...

You likely know that crop year precipitation (since September 1) has been well above average. Some growers were so fortunate that seeding was delayed due to fields being too wet! If you are wondering how far above average this season has been, Table 1 makes comparisons with crop year precipitation for the Sept-Oct period from 2001 to 2017 at two locations. The data is provided by Dave Robertson, Hydrologic Technician, USDA-ARS, Pendleton.



We have experienced the wettest September-October since 2001. We stand at slightly over 200 percent for precipitation for the September-October period. Hopefully, the following months of the crop year will track at or above average to give us a favorable year. As we deal with the weather we are dealt, remember “Life isn't about waiting for the storm to pass...It's about learning to dance in the rain.” *Vivian Greene*. Based on year-to-date results, Don and I expect to see some dancing at the upcoming Farm Fair and Trade Show, and definitely over the Holiday Season.

Happy Holidays, and Best Wishes in the New Year. ~DW & MKC

Table 1. Comparison of Crop Year<sup>1</sup> Precipitation 2001 to 2017

Location	Crop Year									
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
	-----inches-----									
Pendleton Ag Research Center	4.81	2.22	0.88	1.45	1.34	2.01	1.58	1.46	0.50	1.72
Reese//Rew	2.95	1.06	0.18	0.96	0.80	0.79	1.07	1.31	0.34	1.45
	2011	2012	2013	2014	2015	2016	2017			
Pendleton Ag Research Center	2.57	0.84	1.95	3.03	1.21	1.46	4.03			
Reese//Rew	2.12	0.69	1.56	1.32	0.82	1.33	2.86			
	Sept-Oct long-term Average (in)			Sept-Oct 2017 Departure from Average (in)				Sept-Oct 2017 Percent of Normal		
Pendleton Ag Research Center	1.96			2.07				205		
Reese//Rew	1.17			1.69				244		

<sup>1</sup>Crop year begins September 1 and ends August 31 of the next year. Data compiled by Dave Robertson, Hydrologic Technician, USDA-ARS, Pendleton. <http://oregonstate.edu/cprc/dataarsclimate.htm>



Hermiston Agricultural  
Research & Extension Center

# 43rd Annual Hermiston Farm Fair Seminars & Tradeshow



## WEDNESDAY, NOVEMBER 30, 2016

Pesticide Recertification Credits: 2 ID, 2 OR, 2 WA  
CCA Credits: 3

### **POTATO PRODUCTION SEMINAR AM – Meeting Room 1 & 2**

Moderator – Philip Hamm, OSU

- 8:00** An Update On New Varieties from the Tri-State Potato Variety Development – Sagar Sathuvalli, OSU
- 8:30** Utilization of Drones in Potato Management – Lav Khot, WSU
- 9:00** Diseases and Pathogens Affecting Potato in the Columbia Basin 2016. – Ken Frost, OSU
- 9:30** Managing Early Blight and Brown Leaf Spot in Potato – Jeff Miller, Miller Inc.
- 10:00** Break
- 10:30** Colorado Potato Beetle Resistance Management – Michael Crossley, University of Wisconsin; Silvia Rondon, OSU
- 11:00** Cultural Management of Clearwater Russet and a New Fresh Pack/ Process Variety – Mountain Gem Russet – Mark Pavek, WSU
- 11:30** Nutrient Management Program for Potato Production at HAREC – Ray Qin, OSU
- 12:00** Session End

Pesticide Recertification Credits: 2 ID, 2 OR, 2 WA  
CCA Credits: 1.5

### **POTATO PRODUCTION SEMINAR PM – Meeting Room 1 & 2**

Moderator – Sagar Sathuvalli, OSU

- 1:00** Managing Potato White Mold in the Columbia Basin – Dennis Johnson, WSU
- 1:30** Potato Storage Management for Clearwater Russet/ Consumer Attributes of New Promising Varieties During Long Term Storage – Yi Wang, WSU
- 2:00** Potato Growers: Don't Take Lygus and Other Plant Bugs Lightly – Silvia Rondon, OSU
- 2:30** Root-knot Nematodes and Host Plants: A Molecular Dissection of a Bad Relationship – Cynthia Gleason, WSU
- 3:00** Break
- 3:30** Nematode Management: What Are My Options? – Russ Ingham, OSU
- 4:00** Perspectives on the Breeding of New Specialty Potato Varieties. – Charles Brown & Roy Navarre, USDA-ARS
- 4:30** Effect of Cold Storage Temperature on the Nutritional Qualities of the Potato – Aymeric Goyer, OSU
- 5:00** Session Ends

Pesticide Recertification Credits: 1 ID, 2 OR, 2 WA  
CCA Credits: 2

### **SMALL FARMS – Meeting Room 3**

Moderator – Colleen Sanders, OSU

- 1:00** Pollinators and Canola: Lessons from Southern Alberta, – Andony Melathopoulos, OSU
- 1:30** Designing an IPM Program That Is Soft on Pollinators and Hard on Pests, – Andony Melathopoulos, OSU
- 2:15** Bee Keeping Basics and Getting Started, Honey Collection and Processing, – Andony Melathopoulos, OSU
- 2:50** Break
- 3:20** Chickens as Tools – Integrating Poultry on a Small Farm – Chris Schachtschneider, OSU
- 4:00** Session Ends

## **THURSDAY, DECEMBER 1, 2016**

Pesticide Recertification Credits: 1 ID, 1 OR, 1 WA  
CCA Credits: 3.5

### **GENERAL SESSION AM - Meeting Room 1**

Moderator – Ken Frost, OSU

- 8:00** What Good Are Unmanned Aircraft for Farming? – E. Raymond Hunt, Jr., USDA
- 8:30** Dryland Crop Yield Potential and Variable (VR) Rate Estimation – Jim Nichols, XY Imaging
- 9:00** Moving Remote Sensor Data Out of the Lab and into Your Field – Bill Briskey, TacAero
- 9:30** Using Geochemistry to Assess Evaporation from Potato Fields Under Different Irrigation Approaches  
Firas Al-Oqaili, OSU-Bee
- 10:00** Break
- 10:30** Services and Collaborations Available at OSU's Central Analytical Laboratory – Shannon Andrews, OSU
- 11:00** Examples of Pesticide Resistance: How it Happens and How We Can Stop It – Michael Crossley, UW-Madison
- 11:30** Integrated Ergot Disease Management in Grass Seed Crops – Darrin Walenta, OSU-CSS
- 12:00** Session Ends

Pesticide Recertification Credits: 1ID, 1 WA  
CCA Credits: 3

### **CEREAL SESSION AM – Meeting Room 2**

Moderator – Larry Lutcher, OSU

- 8:00** New Projects in the Pendleton Cereal Pathology Lab, – Christina Hagerty, OSU
- 8:30** Check Your Marketing Tool Box, – Dan Steiner, Morrow County Grain Growers
- 9:00** What's Happening to Farm Land Values, – Clinton Reeder, Pendleton
- 9:30** Farm + an Online Mapping Application, – Darcy Sexton, USDA FSA
- 10:00** Break
- 10:30** Grain Protein Mapping for N Management in Winter Wheat, – Dan Long, USDA ARS
- 11:00** Spring Canola Production and Marketing Strategies, – Karen Sowers, WSU and Daniel Stenbakken, Viterra
- 11:30** Wheat Industry Update, – T. J. Hansell, OWGL President
- 12:00** Lunch

Pesticide Recertification Credits: 1 ID, 1 OR, 1 WA  
CCA Credits: 3.5

### **CEREAL SESSION PM – Meeting Room 2**

Moderator – Christina Hagerty, OSU

- 1:00** Sulfur Nutrition and Fertilization on Wheat, – Larry Lutcher, OSU
- 1:30** Understanding Your Soil Test, – Paul Carter, WSU
- 2:00** Biology and Control of Scouring Rush in Wheat, – Andy Hulting, OSU
- 2:30** Russian Thistle Biology and Control, – Drew Lyon, WSU
- 3:00** Break
- 3:30** Late Season Weed Control on Direct Seed Fallow, – Bill Jepsen, Heppner
- 4:00** Winter Annual Grassy Weed Control in Wheat Cropping Systems, – Aaron Esser, WSU
- 4:30** Wheat Variety Update, – Hannah Kammeyer, OSU
- 5:00** Session Ends

## **THURSDAY, DECEMBER 1, 2016**

CCA Credits: 3.5

### **LIVESTOCK SESSION – Meeting Room 1**

Moderator- Christopher Schachtschneider, OSU

- 1:00** Grazing Impacts on Fire Behavior in Sagebrush Steppe – Eva Strand, University of Idaho
- 1:30** Grazing Influences on Area Burned, Fire Behavior and Post-Fire Recovery in Sagebrush Communities – April Hulet, University of Idaho
- 2:00** Vegetation-stream Temperature Dynamics in Riparian Areas – Carlos Ochoa, OSU
- 2:30** Ranching for Rivers, a Program to Promote Infrastructure for Improved Riparian Grazing Management – Rachel Frost, Missouri River Conservation District Council
- 3:00** Break
- 3:30** Google Earth Pro as a Management Tool – Sergio Arispe, OSU
- 4:00** Genetic Testing for Replacement Selection – A Rancher’s Perspective – Terry Anderson, Anderson Land & Livestock, Inc.
- 4:30** A New Look on Umatilla and Morrow County Livestock and Rangeland Extension – Chris Schachtschneider, OSU
- 5:00** Session Ends

Pesticide Recertification Credits: 4 ID, 4 OR, 4 WA  
CCA Credits: 2

### **CORE PROGRAM, Pesticide Use, PPE, Calibration- Fee \$10.00 Meeting Room 3**

Moderator – Timothy Weinke, OSU and Cory Cooley, ODA

- 1:00** Use of Pesticides in Vegetation Management: Review of Label Sections and Chemical Drift – Scott Lukas, OSU
- 2:00** Developing Integrated Pest Management Programs in the Columbia Basin – Alex Murphy, OSU
- 3:00** Properties of Soil Fumigants and Their Fate in the Environment – Ray Qin, OSU
- 4:00** Personal Protective Equipment – Tim Stock, OSU
- 5:00** Session Ends

Pesticide Recertification Credits: ID 2  
CCA Credits: 3.5

### **CROP PEST LOSSES IMPACT ASSESSMENT - CORE - Board Room Pre-registration required.**

#### **Max 20 Participants**

Moderator – Katie Murray, OSU IPPC

- 1:00** Introduction, – Katie Murray, OSU IPPC
- 1:10** Understanding Potato Pest Loss Impacts, – Katie Murray, OSU IPPC
- 2:00** Interactive Session: Individual Review of Potato Pests, Yield Impacts & Pesticide Usage, Q & A, – Katie Murray, OSU IPPC
- 3:30** Facilitated Discussion: Major Economic Pests in Potato, Current Management Practices and Critical Research, Regulatory, Education, and IPM Needs, – Katie Murray, OSU IPPC
- 5:00** Session Ends

### **FARM FAIR BANQUET – Location: *Hermiston Conference Center, 415 S Hwy 395* (541-567-6151)**

Tickets are \$30.00 each. Purchase your tickets from the Hermiston Chamber of Commerce office.

**6:00pm** will start the evening with a no-host social hour with music from John Wambeke.

Dinner will begin at 6:30pm.

## **FRIDAY, DECEMBER 2, 2016**

Pesticide Recertification Credits: 3 ID, 3 OR, 4 WA  
CCA Credits: 3.5

### **PEST MANAGEMENT – Meeting Room 1 & 2**

Moderator – Silvia Rondon, OSU

- 8:00** Early Detection of Foliar Damage by Colorado Potato Beetles Using Small Unmanned Aircraft – E. Raymond Hunt, Jr., ODA
- 8:30** IPM Strategic Planning: Understanding Pest & Management Impacts & Critical Needs – Katie Murray, OSU IPPC
- 9:00** Piercing and Sucking Insects in Irrigated Crops – Josephine Antwi, OSU & Silvia Rondon, OSU
- 9:30** Identification of Russian Thistle Glyphosate Resistant in NE Oregon – Judit Barroso, OSU CBARC
- 10:00** Break
- 10:30** Potato Pathology in Prosser: Previous Studies and New Program Direction – Kylie Swisher, USDA-ARS Prosser
- 11:00** Factors Influencing Pesticide Selection for Irrigated Wheat Production – Joshua Adkins, Syngenta
- 11:30** Can Dose-response Models Help Refine Management of Verticillium Wilt? – Ken Frost, OSU
- 12:00** Session Ends

Pesticide Recertification Credits: 4 ID, 4 OR, 4 WA  
CCA Credits: 2

### **CORE PROGRAM, Safe Pesticide Use, PPE, Calibration - \$10.00 fee Meeting Room 3**

Moderator – Timothy Weinke, OSU and Cory Cooley, ODA

- 8:00** Personal Protective Equipment – Tim Stock, OSU
- 9:00** Properties of Soil Fumigants and Their Fate in the Environment – Ray Qin, OSU
- 10:00** Developing Integrated Pest Management Programs in the Columbia Basin – Alex Murphy, OSU
- 11:00** Use of Pesticides in Vegetation Management: Review of Label Sections and Chemical Drift – Scott Lukas, OSU

### **VENDORS:**

Academy Mortgage & American  
West Properties

Ag Engineering

AGNEMA

Agrium

AgSource Laboratories

Atkinson Staffing

BASF

BioWest Ag Solutions

Blue Mountain Community College

Blue Mountain Manufacturing

ByoGon Northwest

Byrnes Oil Company

C and E Trenching

Cascade Agronomics LLC

Cascade Earth Sciences

Central Machinery Sales Inc.

Columbia River Powder Coating LLC

Costco Wholesale

Crop Production Services

Eastern Oregon Women for

Agriculture

Eastside Electric

Elmers Irrigation

Energy Trust of Oregon

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G & S Tire Factory

Goodwin Ag Enterprises

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Center

Platinum Transportation LLC

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SAGE Center

Sherrell Chevrolet

Simplot Growers Solutions

SS Equipment Inc.

Sym-Agro

TacAero

Tom Denchel Ford/Hermiston CDJR

Umatilla County Soil & Water

Conservation

Umatilla Electric Cooperative

USDA Farm Service Agency

Valmont NW

Wilbur Ellis Co.

OSU/Umatilla County Extension Service  
2411 NW Carden, Umatilla Hall, PO Box 100  
Pendleton, OR 97801

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# CALENDAR

## Meetings in December

Nov. 30- **Hermiston Farm Fair & Trade Show**  
Dec. 2 **Location:** Eastern Oregon Trade  
& Event Center (EOTEC)  
1705 East Airport Road, Hermiston  
**Contact:** Chamber of Commerce  
541-567-6151

Dec. 7 **1st Wednesday Discussion**  
Christina Hagerty will be discussing the  
Plant Pathology services at CBARC.  
**Location:** CBARC  
**Contact:** CBARC, 541-278-4186

Dec. 1 **Cereal Session**  
**NEW! Location:** Eastern Oregon Trade  
& Event Center  
1705 East Airport Road, Hermiston  
**During the Hermiston Farm Fair**

Dec. 6 **OWC Board Meeting**  
**Location:** CBARC  
**Contact:** Blake Rowe, 541-276-7330



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