

# Central Oregon Agriculture

VOLUME 25 ISSUE 6

NOVEMBER/DECEMBER 2016

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## 2016 OHFA Forage Seminar

Central Oregon Hay Growers' Association is hosting the Oregon Hay and Forage (OHFA) Seminar on Friday, November 18<sup>th</sup>, at The Mazatlan Restaurant, 675 NE Hwy 26, Madras, OR. This forage seminar will precede the Oregon Hay King Contest being held on Saturday, November 19<sup>th</sup> at Ag West Supply in Madras. Questions: Contact Mylen Bohle at 541-447-6228 or [mylen.bohle@oregonstate.edu](mailto:mylen.bohle@oregonstate.edu) or OHFA President, Greg Mohnen, at 541-419-5339.

### Agenda:

9:30 am Registration (Free), Coffee and Donuts; 10:00 am start: Weed Control in Hay and Pasture, Irrigating Alfalfa: Putting All of the Pieces Together, Converting to LESA and LEPA Pivots Producer Panel, No Host Lunch (Order from Menu), Glyphosate Injury to RR Alfalfa under Cold Conditions, Demonstration of Excel Spreadsheet Hay Enterprise Budgets, Teff Research Update in WA and OR, Preliminary Update on Central Oregon Forage Research, and Oregon Dept of Ag Update (Including Update on Zinc Phosphide and Cabbage Label to Control Ground Squirrels). 5:00 pm—Conclude. **\*\*There will be 2 or 3 pesticide recertification credits for the day!\*\*** RSVP to Crook County Extension @ 541-447-6228, to help Mazatlan Restaurant prepare for lunch.

Mylen Bohle

## 2016 Oregon Hay King Contest

The Oregon Hay and Forage Association, with Central Oregon Hay Growers' Association hosting, in cooperation with Oregon State University Extension Service and Oregon State University Agricultural Experiment Station, is sponsoring the 2016 Oregon Hay King Contest which will be held on Saturday, November 19<sup>th</sup> at Ag West Supply in Madras, 36 NW "A" Street, Madras. Bale Delivery is 7:30-8:45 am and judging starts at 9:00 am and will conclude at 4:00 pm or earlier. Quality samples are due at the lab on November 4<sup>th</sup>. (\$25 per bale entry fee) There will be complimentary donuts and coffee available in the morning, and lunch will be available (Ag West Supply is sponsoring lunch). Come watch and learn.

For more information: <http://www.oregonhaygrowers.com/>, or contact Mylen at 541-447-6228.

Mylen Bohle

## Veterinary Feed Directive Seminar

Wednesday, November 9, 2016; 6-8 pm

Deschutes County Fairgrounds, North Sister Building

Free Admission New Antibiotic Rules for Livestock

As of January 2017, Oregon livestock producers must comply with a new federal law which fundamentally changes the way feed-grade antibiotics are used in their operations: The Veterinary Feed Directive (VFD). This seminar will answer questions about the new law, including the livestock operator's or caretaker's responsibilities and classifications of medications which are affected and not affected by the VFD.

Topics for the Seminar are: The Veterinary Feed Directive, General Animal Husbandry and Ethics. Dr. Scott Essex, ODA District Veterinarian; Scott Duggan, Animal and Rangeland Sciences; and Karissa Dishon, 4-H Youth Development will be presenting.

Karissa Dishon and Scott Duggan

**Central Oregon Agriculture** is a bi-monthly newsletter produced by the Central Oregon Extension offices and the Central Oregon Agricultural Research Center (COARC). The intent of this newsletter is to extend agricultural research-based information, to solve problems, develop leadership and manage resources wisely. Please direct comments and changes to the mailing list of your local County office.

- ◆ Mylen Bohle, Editor, (541) 447-6228
- ◆ Kim Herber, Ag Newsletter Coordinator, (541) 447-6228

#### Central Oregon County Extension Offices (all area codes are 541)

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498 SE Lynn Blvd., Prineville, OR 97754

**Deschutes County** Extension Service - Phone 548-6088,  
3893 SW Airport Way, Redmond, OR 97756

**Jefferson County** Extension Service - Phone 475-7107,  
850 Dogwood Lane., Madras, OR 97741

**Warm Springs** Indian Reservation - Phone 553-3238,  
1110 Wasco St., PO Box 430, Warm Springs, OR 97761

#### Central Oregon Agricultural Research Center

- ◆ Carol Tollefson, Director, 475-7107
- Madras Site - Phone 475-7107, 850 Dogwood Lane, 97741  
Powell Butte Site - 8215 SW Hwy. 126, 97753

#### Extension Service & Experiment Station Web Sites

Crook County: <http://extension.oregonstate.edu/crook>

Deschutes County: <http://extension.oregonstate.edu/deschutes>

Jefferson County: <http://extension.oregonstate.edu/jefferson>

Central Oregon Agricultural Research Center:  
<http://oregonstate.edu/dept/coarc/index.php>

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- ◆ Marvin Butler, Research
- ◆ Tim Deboodt, Range Resources and Livestock, 447-6228
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- ◆ Nicole Strong, Forestry, 548-6088
- ◆ Carol Tollefson, 475-7107

The above individuals are devoted to extending agricultural information to producers. Many of the individuals, in addition to agriculture, have assignments in research, 4-H Youth, administration and community resource education. Often it is appropriate to mention brand names of some commercial products; however, they are used only for the purpose of information. Extension does not guarantee or warrant the standard of the product, or does it imply approval of the product to the exclusion of others.

## Tri-State Grain Growers Convention

The 2016 Tri-State Grains Conference will be held at the [Coeur d'Alene Resort](#) in Coeur d'Alene, Idaho, November 9-12. Some of the highlights this year include John Phelps, an Illinois farmer, who will serve as Emcee and deliver the keynote address; Bryce Anderson, who brings in-depth analysis and forecast on long term weather and market impact, and will deliver a keynote address on "After El Nino, Now What?"; and Captain Charlie Plumb who flew 74 missions over North Vietnam, and on his 75<sup>th</sup> mission (5 days before the end of his tour) he was shot down over Hanoi, captured, tortured, and spent the next 2,103 days as a POW. Lessons learned as a POW can help one learn how to make "Tough Choices in Challenging Times". Lots of other breakout sessions are scheduled. Idaho, Oregon, and Washington will hold their annual meetings at the conference. For more details, go to <http://www.owgl.org/> or <http://www.wawg.org/convention>.

Mylon Bohle

## Alfalfa Intensive Training Seminar

The Alfalfa Intensive Training Seminar will be held on November 15-17, 2016 at the Red Lion Boise "Downtown", 1800 W. Fairview Av., Boise, ID 83702. (Hotel rooms are \$89/night) The seminar is taught by Extension Forage Specialists and USDA Dairy Research Center personnel from Michigan, Wisconsin, Pennsylvania, Minnesota, and Idaho. There will be 11.5 certified crop advisor credits offered. More details were available in the last newsletter, contact the NAFA at 1-509-585-6798 or go to their website at [www.alfalfa.org](http://www.alfalfa.org). The registration is \$550 for members, or \$750 for non-members (room reservations needed by October 31, at 208-344-7691 – Group Booking Code is ALFA1114).

Mylon Bohle

## Building Soils for Better Crops Workshop

This workshop will be held at the Big Bend Community College, ATEC Center, Moses Lake, WA, on Tuesday, November 29th, 8:30 (registration), 9 am start to 4:30 pm. \$25 per person, includes lunch if you pre-register by Nov. 22<sup>nd</sup>.

This workshop will hopefully answer your questions: Can soils be improved in the irrigated Columbia Basin? How can I build soil organic matter? Should I use humic substances? What about all the other new soil amendments, will those help? What if my soils are becoming more acidic? What are the economics of building soils? What are the practices that are being used? What is the best placement of nutrient for strip-till and no-till? What is NRCS doing to help growers? These questions and more will be the focus of the 2016 conference. There will be CCA credits: Soil & Water Management: 3, Nutrient Management: 1.

Web site for agenda and to register go to: <http://irrigatedag.wsu.edu/2016bsfbc/>. For more information, contact Andrew McGuire, [andrew.mcguire@wsu.edu](mailto:andrew.mcguire@wsu.edu), or call 509-754-2011 Ext. 413.

Mylon Bohle

## California Alfalfa and Forage Symposium

The California Alfalfa and Forage Symposium will be held at the Peppermill Resort in Reno, NV November 29-December 1. The theme is "Aiming toward Profitability". Tuesday, November 29 is a pre-conference Pest Management Workshop. Wednesday and Thursday, Nov. 30 and Dec 1, agenda will feature presentations on alfalfa and other forages. This should be an excellent 2.5 days spent in Reno! Early Bird registration is \$325 for the 3 days or.... For more details on Hotel Information, Agendas, and Registration go to: <http://calhay.org/symposium/>.

Mylon Bohle

## High Residue Farming Workshop

This workshop will be held at the Big Bend Community College, ATEC Center, Moses Lake, WA, on Wednesday, November 30th, Check-in 9:30 am, start 10 a.m., end by 3:30 p.m. This workshop is being held the day after the “2016 Building Soils for Better Crops” Workshop, at the same location.

“High residue farming” is an umbrella term referring to cropping systems where the volume of the soil that is tilled is reduced in order to maintain residue cover of the soil. Crop residue covering the soil provides the many benefits of high residue farming: Save time and money, Save on fuel and equipment costs, Decreased water use and pumping costs, More double cropping options, and Build soil health. Direct seeding (also called no-till) strip-till, and vertical tillage are all variations of high residue farming. This workshop will cover the basics of implementing these systems in the irrigated Columbia Basin.

Agenda:

- + Benefits of high residue farming
- + Conditions for stand establishment
- + Residue management
- + Direct seeding with a planter or a drill
- + Challenges of high residue farming
- + Strip-till systems
- + High residue farming in the Columbia Basin

All of those attending these workshops will receive the publications in the WSU High Residue Farming under Irrigation series.

Pre-registration is required, Lunch included, if pre-registered by Nov. 22<sup>nd</sup>. Details at: <http://irrigatedag.wsu.edu/hrfworkshops/>.

*For those of who do not want to travel, Andy McGuire has agreed to come to Central Oregon and present this workshop. He would need a minimum of 10 to attend the workshop. If you would like to participate in a local workshop, please call Mylen at 541-447-6228.*

Mylen Bohle

## Oregon Sheep Growers and Oregon Forage and Grassland Council Joint Meeting

OFGC and OSGA will be holding a joint meeting and Field Day December 1-3 in Springfield, Oregon. There were no details or agenda listed on either web site at time of publishing the newsletter. Keep checking the Oregon Sheep Growers' Association <http://sheeporegon.com/> and Oregon Forage and Grassland Council <http://www.oregonforage.org/> web sites, or contact Woody Lane, President of OFGC, at [woody@woodylane.com](mailto:woody@woodylane.com) or call 541-440-1926.

Mylen Bohle

## Statewide Wheat Marketing Meetings

The Oregon Wheat Growers' League will resume the Statewide Marketing Education Series Meetings. Next meetings should be December 15 and February 16. Central Oregon producers can view the Polycom presentations at OSU COARC, 850 Dogwood Ln., Madras, or at the OSU Crook County Extension Service Office at 498 SE Lynn Blvd, Prineville. Please call 541-475-7107 (COARC, Madras) or call 541-447-6228 (Crook County Extension, Prineville) the day before, to confirm your attendance and / or to make sure the meeting is taking place. The OWGL website is at [www.owgl.org](http://www.owgl.org) or for other information you may call Sally Christensen, Member Services Director, Oregon Wheat Growers League, 541-276-7330, (phone), 541-276-1723 (fax).

Mylen Bohle

## Hermiston Farm Fair & Trade Show

Hermiston Farm Fair & Trade Show will be held November 30 to December 2, at the Eastern Oregon Trade and Event Center, 1705 E. Airport Rd, Hermiston, OR (*NEW VENUE THIS YEAR*). The Farm Fair is an agricultural forum co-sponsored by OSU Extension Service, the Agriculture Committee of the Greater Hermiston Chamber of Commerce, and local agriculture-related businesses displaying their wares and services, both inside and outside the Conference Center. <http://oregonstate.edu/dept/hermiston/farm-fair-trade-show-1> or call 541-567-8321

There is a \$10.00 fee for attending the Core Program. All other educational sessions are free to attendees. No pre-registration is required. Oregon, Washington and Idaho pesticide re-certification credits will be available, in addition to CCA credits. The full Farm Fair agenda with updates and pesticide credit hours will be available on the website by mid- November or so.

Mylen Bohle

## National Women in Sustainable Agriculture Conference

“Building Connections Towards Resiliency”

The 5th National Conference for Women in Sustainable Agriculture conference is actually happening right in here in Oregon this year, Nov 30-Dec 2, hosted by the OSU Extension Small Farm program. The conference will be held at the Doubletree by Hilton Portland. Here are a few details we'd like you to consider: This is the first year this National conference has been held on the west coast. There are 7 different breakout sessions, over 50 presentations from colleagues and farmers around the country – check out the conference program at: <http://2016wisa.org/2016/07/24/conference-program/> for the details.

This conference will bring together farmers, educators, technical assistance providers and activists engaged in healthy food and farming to share educational and organization strategies, build technical and business skills, and address policy issues aimed at expanding the success of women farmers and ranchers.

Every few years, a regional women's network or agricultural organization takes the lead in planning this national conference for women. The first national conference was held in fall 2005 in Vermont.

This year, organization of the conference is being led by Oregon State University Small Farms Program with support from a national team of leaders in sustainable agriculture and agricultural women's organizations. And Maud Powell and I are arranging for a square dance one evening and a farmer author event the next- obviously who would want to miss that fun?!

Register at <http://2016wisa.org/>

**Melissa Fery and Maud Powell**  
OSU Small Farms Agents

## Decreasing Commodity Prices

Midwest Droughts in 2011 and 2012 were the cause of increased commodity prices for wheat and corn. The price of meat increased. 2014 saw a virus outbreak in hogs and increased pork prices. Eggs prices increased in 2015 after the Avian flu. There is a prediction of a record corn crop of 15.9 billion bushels in 2016, with corn prices less than half of what they were a couple of years ago. Wheat carryover from the year before was about a billion bushels. Less hay has been exported in the last few years, partly because of the ports slowdown, so hay prices are down. This year just about all commodity prices are down, way down. Calf prices are half of what they were last year. Hog farmers are losing \$20-40 a hog (getting a third of what they sold for a couple of years ago). Most agricultural crop and livestock producers are taking a financial hit this year. Dollar is very strong, so countries cannot buy as much of our products along with decreasing global demand and China's economy slowing down. All of us who buy our groceries in a store; we will see our grocery bills decrease a bit, but but grocery buyers probably will not see nearly the price decrease, producers have seen for their commodities. (This is a synopsis mostly from an article "Global Trends Put Pinch on Farmers" in the Oct. 21, 2016 Today Newspaper.) Mylen Bohle

## Ties to the Land: Your Family Forest and Ranch Heritage

**Saturday, December 3, 2016; 12:00 PM - 3:00 PM**  
**OSU Extension Crook County 4-H Clover Building**  
**502 SE Lynn Blvd, Prineville, OR 97754**

This interactive workshop provides the tools families with small woodlands and ranches need to decide the future of their land and land-based businesses.

Topics Include:

- Developing a shared vision and passion for the land
- Keeping your land in the family maintaining generational ties
- Passing on the land with reduced estate taxes
- Identifying and addressing challenges facing family business

Cost:

\$50.00 per family (Maximum of 5 per registration). Includes Lunch, Refreshments and Workbook. Register: Carrie Smith at 541-548-6088 [carrie.smith@oregonstate.edu](mailto:carrie.smith@oregonstate.edu)  
 Questions? [nicole.strong@oregonstate.edu](mailto:nicole.strong@oregonstate.edu)

Nicole Strong

## Far West Winter Conference

The Far West Agri-business Association announces the Washington Conference will be held at Kennewick, WA on December 13-14, 2016 at the Three Rivers Convention Center. The 2017 conference will be held in Idaho. They are combining the two conferences into one and will rotate between Washington and Idaho. There are some good irrigated, dryland, and safety related sessions always on the agenda. For more details and registration information go to: <http://fwaa.org/>.

Mylen Bohle

## Middle Deschutes Watershed Council

The Middle Deschutes Watershed Council (MDWC) works with partners and community members to enhance and protect the natural resources in the Middle Deschutes Watershed. In light of this, the MDWC and the United States Forest Service (USFS) are collaborating on natural resource projects in Jefferson County. Both of these projects are funded through Oregon Watershed Enhancement Board grants.

The first project is located along Willow Creek on the Crooked River National Grasslands. The purpose of the project is to restore groundwater storage and discharge within and along the Willow Creek canyon subsequently making more water available for riparian and upland vegetation as well as aquatic and upland terrestrial species. Juniper reduction is planned along five miles of Willow Creek and on 1850 acres of upland adjacent to Willow Creek, where the creek enters the National Grassland. These juniper treatments have recently begun and will be completed in early 2017.

The second project is the Youth Watershed Council, Restoration Team at Culver High School that began during the 2015-2016 school year. After several years of working with local students through several programs it became apparent the youth of Central Oregon thrived on outdoor activities, however, many of these same students lacked an understanding of watershed ecology and local natural resource issues. In light of this, the MDWC and USFS secured funds to create opportunities for local youth to receive experiential place based opportunities. This effort focused on educating all grade levels of the high school on basic watershed ecology through in-class presentations and field visits. Greater than 200 students participated in this program.

This fall, these two projects are coalescing as the juniper treatment begins and students return to school. Students from Culver High School will return to the Willow Creek in early November to participate in monitoring efforts and begin planning for a spring restoration planting project. These learning experiences provide direct skills that professionals use regularly and may direct local youth into careers in local natural resources. If you are interested in either of these projects, have ideas for projects, or have questions please contact me at 541-923-4358 x.139 or refer to our website [www.middledeschuteswatershedcouncil.org](http://www.middledeschuteswatershedcouncil.org).

John Speece  
 Jefferson Co. SWCD, MDWC Coordinator  
 Tri-County CREP Planner

## Strategies to Prevent and Mitigate Adventitious Presence (AP) of GMO's in Organic and Export Alfalfa Hay Conference

This conference will be held on January 17 at the Three rivers Convention Center in Kennewick, WA. There is no cost to register, but you must RSVP to attend at <http://growthanduseofnongmoalfalfa.eventbrite.com>. There are more details at this web site, but agenda has not been posted yet. Need more Information, call 509-585-5460.

Mylen Bohle

## 2016 Preferred Wheat Varieties Based on End Use Quality

Varieties are listed by *statistical quality rankings* by class. When making a decision between varieties with similar agronomic characteristics and grain yield potential, choose the variety with the higher quality ranking. This will help to increase the overall quality and desirability of Pacific Northwest (PNW) wheat.

**Most Desirable (MD)** – These varieties generally have high test weights, appropriate protein content (kernel properties), and excellent milling and end-use properties.

**Desirable (D)** – The kernel milling, and end-use qualities of these varieties range from good to very good. The quality attributes of these varieties are desirable in international trade.

**Acceptable (A)** – The kernel, milling, and end-use qualities of these varieties range from acceptable to good. Individual varieties may possess minor flaws. The quality attributes of these varieties are acceptable in international trade.

**Least Desirable (LD)** – One or more critical flaws in quality are present in these varieties. The intrinsic quality of PNW wheat will be improved if these varieties are not planted

These rankings are based on the results of the *Genotype and Environment Study (G&E)* quality testing conducted by USDA Western Wheat Quality Laboratory, the Washington State University, Wheat Quality Program, the University of Idaho Wheat Quality Laboratory, and the Oregon State University Cereal Quality Laboratory, including relevant wheat breeding nurseries. End-use quality determinations were based on results from grain, milling, and product quality tests. (*Oregon, Idaho, and Washington Wheat Commissions fund this research.*)

The quality scores presented reflect a minimum of three (3) years’ data in the *G&E study*, using a reference variety for each class. The scores are reviewed yearly as new data becomes available and are subject to change. Varieties not listed have not been tested, or, have less than three years’ data. For the complete listing of classes and varieties, go to: [http://www.owgl.org/wp-content/uploads/2011/08/PreferredVarieties2016\\_4Web.pdf](http://www.owgl.org/wp-content/uploads/2011/08/PreferredVarieties2016_4Web.pdf) (2016 brochure)

Mylen Bohle

## Irrigation Systems

The following acronyms are considered to be some of the Best Management Practices for pivots and linear’s presently. Following are the definitions of the acronym and water use efficiency (WUE) of the system for new to poor condition.

Acronym	Definition	Water Use Efficiency (%)		
		New Condition	Fair Condition	Poor Condition
MESA	Mid elevation spray application	80	85	70
LEPA	Low energy precision application	90	85	75
LESA	Low elevation spray application	90	85	75
LPIC	Low pressure in-canopy	95	90	80
SDI	Subsurface drip irrigation	100		

From Low pressure center pivot sprinkler irrigation systems. TWDB report 362 (2004).

I have heard of some systems approaching 98% WUE with bubblers dragging on the soil in row crops. There are a few experimental systems (1-3 spans for comparison) in the Central Oregon area. Everyone that is trying them seems to be very pleased with their operation. For those who can make the switch to these new systems, there is great water and energy savings potential to be captured. Check with your local irrigation equipment dealer and / or power company to see what it would cost to convert. Energy Trust and Wy’East work with the power companies and have different cost share programs. Make sure you check with them before purchasing any hardware. (More information on Central Oregon Energy Efficiency Programs can be found at: <https://newcoic.files.wordpress.com/2012/08/energy-efficiency-programs-in-central-oregon.pdf> )

This is a link to a short and long version of new upcoming [LESA and LEPA Pivot Irrigation Extension Bulletins](#). There is some excellent information in these bulletins. We have the author’s permission to send this information out.

Mylen Bohle

## 2016 Oregon Hay Directory Available

The 2016 Oregon Hay Directory is available. The hay directory is published by the Oregon Hay and Forage Association (Ph: 541-447-6228). The hay directories are sent out to most all of the dairies and some feed stores in Oregon, Idaho, Washington, and northern California, as well as to OHFA producer and industry members. Directories are available at Crook, Deschutes, and Jefferson County Extension offices.

Mylen Bohle

## OSU Master Gardener Training

Applications for the OSU Master Gardener™ Program in Central Oregon are now available. The program targets individuals interested in becoming a trained volunteer who wants to learn and share research-based gardening information. Program starts with ten classes that meet on Saturdays from 9 am - 4 pm, January 14 – April 1, 2017 at the OSU Cascades campus in Bend and continues with hands-on training through September. Applications must be received no later than January 6th. Cost will be \$295.00 and includes tuition, text book and supplies. Partial scholarships are available. Only interested in classroom training? Ask us how?

**More information at:** <http://extension.oregonstate.edu/deschutes>

### **Pesticide Recertification Credits Available on December 7**

This free training session will be delivered simultaneously via video-conference to multiple Oregon locations including Crook County Extension office (541-447-6228), Prineville, and COARC (541-475-7107), Madras sites. **Please RSVP.** The course is divided into two 2-hour sessions which allows participation in either AM or PM session (2 credits each) or both sessions (4 credits total). Oregon pesticide applicator re-certification credits earned during this training will count either as **CORE** or **general** credits. Please **RSVP** by contacting your local OSU Extension Service office and let us know you plan to attend.

*\*\*DISCLAIMER\*\* The delivery of this training session relies solely upon video-conferencing technology, therefore, the organizer does not guarantee the program will be delivered in full if technical difficulties occur which prevent partial/full participation at any or all participating sites. Re-certification credits for the topics presented during the 2015 CORE PAT have received accreditation from ODA. In the event of program disruption (in either 2-hour session or both), re-certification credits will not be available for the part of the program impacted. Facilitators who experience program disruption can substitute content at the local level but will need to seek accreditation from ODA for the part of the program affected (however, there are no guarantees here either). Darrin L. Walenta, OSU Extension Union County*

#### **Morning Session: (AM Session = 2 Oregon CORE/general applicator re-certification credits)**

9:45 - 10:00 am Welcome, Orientation and Local Updates – Host County Extension Faculty

10:00 - 10:50 am Zinc Phosphide and Application to Various Crops – Laurie Gordon, ODA

11:00 – 11:50 am ODA Pesticides Division Update – Laurie Gordon, ODA

12:00 Sign up for AM Session re-certification credits

*Noon to 1:00 pm. Bring your lunch (refrigerator & microwave available) and visit with colleagues & neighbors!*

#### **Afternoon Session: (PM Session = 2 Oregon CORE or general applicator re-certification credits)**

1:00 – 1:50 pm Getting Tough with Pests (While Staying Soft on Pollinators) –

Andony Melathopoulos, OSU Horticulture

2:10 - 3:00 pm Risk Assessment/Risk Communication – Kaci Buhl, NPIC

3:00 Sign up for PM Session re-certification credits

# Calendar

## November

- 4 Hay Quality Samples are due for Oregon Hay King Contest. (See article)
- 9-12 Oregon / Idaho / Washington Tri-state Grains Conference. Coeur d'Alene Resort, Coeur d'Alene, ID. <http://www.owgl.org/> (See article)
- 18 OHFA Forage Seminar. Madras, OR (See article)
- 19 Oregon Hay King Contest. Madras, OR (See article)
- 15-17 American Forage and Grassland Council Annual Conference. Roanoke, Virginia [www.afgc.org](http://www.afgc.org)
- 15-17 Alfalfa Intensive Training Seminar. National Alfalfa and Forage Alliance. Boise, ID [www.alfalfa.org](http://www.alfalfa.org) (See article)
- 26 Thanksgiving Holiday
- 29-30 California Alfalfa and Forage Workshop. Peppermill Resort, Reno, NV. <http://calhay.org/> (See article)
- 29 Building Soils for Better Crops. Moses Lake, WA. (See article)
- 30 High Residue Farming Workshop, Moses Lake, WA (See article)

## December

- 1 California Alfalfa and Forage Symposium. Peppermill Resort, Reno, NV. <http://calhay.org/> (See article)
- 1-3 Oregon Sheep Growers' Association and Oregon Forage and Grassland Council Joint Meeting. Springfield (See article)
- 5-9 Irrigation Show & Education Conference. Long Beach, CA. (703) 536-7080 ext. 11, or go to: [www.irrigation.org](http://www.irrigation.org) .
- 13-14 Washington Far West Conference. Three Rivers Convention Center, Kennewick, WA (See article)
- 15 Wheat Marketing Meeting (See article)
- 25 Christmas Holiday

## January 2017

- 1 New Years Holiday
- 17 Strategies to Prevent and Mitigate AP of GMO's in Organic and Export Alfalfa Hay Conference. Three Rivers Convention Center, Kennewick, WA (See article)
- 18-19 Northwest Hay Expo. Three Rivers Convention Center. Kennewick, WA <http://www.wa-hay.org/>
- 24-26 NW Agricultural Show, Expo Center, Hall C-E, Portland <http://www.nwagshow.com/>
- 25 C.O. Forage Seminar. 4-H Clover Club Building, Prineville,
- 27 C.O. Pesticide Conference. Eagle Crest Resort, Redmond

## February

- 1-2 C.O. Farm Fair, Jefferson County Fairgrounds, Madras
- 14-16 World Ag Expo, Tulare, CA. Visit [www.worldagexpo.com](http://www.worldagexpo.com) or call 1-800-999-9186.
- 16 Wheat Marketing Meeting. (See article)
- 20-21 Oregon Dairy Farmers Association Annual Meeting and Conference, Salem Convention Center. Salem <http://oregondairyfarmers.org/>
- TBA Idaho Hay and Forage Association Annual Conference. Burley Inn, Burley, ID. <http://www.idahohay.com/>

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