

# Central Oregon Agriculture

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## Beekeeping Workshop at COARC Apiary in Madras

Saturday, September 9, 2017, 10 am to 12 pm, doors open at 9:30 am

Come join us at this casual, loosely structured event intended to provide a learning experience in a relaxed setting. We perform hive inspections, discuss colony management strategies for the month, and implement them. **Everyone who is comfortable being around live honey bees is welcome.**

**You would need to bring your own protective gear (veil, gloves etc.).** This is a free event.

RSVP required. If you are interested, please contact Heike Williams at 541-475-7107 or [heike.williams@oregonstate.edu](mailto:heike.williams@oregonstate.edu) for more information. Click [here](#) for flyer.

Heike Williams

## Oregon State University Extension Community Celebration- Jefferson County

Join us for the Second Annual Oregon State University Extension Community Celebration, Saturday, September 16th, from 11 AM - 3 PM, at Community Park, in Madras, Oregon! The OSU Extension Community Day Celebration is a FREE and fun family event, sponsored by the Jefferson County Extension Program. Activities for the day will include: live music by Tony Lundervold from 1-3 PM, a small petting zoo, face painting by Fabulous Faces Face Painting from 11-3 PM, hands on learning activities, educational presentations and demonstrations and much more! A FREE baked potato bar lunch will also be served from 11:30 AM – 1:00 PM or while supplies last.

The OSU Extension Community Celebration is open to all residents and families and is completely FREE of charge. Everyone is welcome. Please feel free to contact Katie Ralls, COARC Education Coordinator, with any questions at: 541.475.7107 or [Katie.ralls@oregonstate.edu](mailto:Katie.ralls@oregonstate.edu).

Katie Ralls

## Crop-up Dinner Series & Market Showcase

**An Oregon Department of Ag and Oregon State University Grant Project.**

The 2017 Crop-Up™ Dinners are being held at various sites in Oregon central to local Specialty Crop Growers and processors. Dine on delicious dishes built around Oregon's Specialty Crops grown in the local regions surrounding each dinner site. Specialty Market Showcases will be happening before dinner at each site providing an opportunity to learn more about the Specialty Crops. Date: Thursday, September 21, 4:00 pm - 8:30 pm, dinner begins at 6:30 pm.

Location: Central Oregon Agricultural Research Center, Madras, Oregon.

Tickets are \$20/person. For additional questions or information, contact Clare Sullivan, 541-548-6088. Accommodations for disabilities may be made by contacting 541-475-7107 or [carol.tollefson@oregonstate.edu](mailto:carol.tollefson@oregonstate.edu).

Purchase tickets here: <http://fic.oregonstate.edu/food-innovation-center/crop-dinner-series-market-showcase>.

Clare Sullivan

## Oregon Pork Producers (OPP) Fall Educational Workshops

Want to know more about swine herd health, vaccinations, antibiotics and developing a year-round health program? Attend one of the OPP Fall Educational Workshops on either September 22nd at the Jefferson County Fairgrounds in Madras or September 23rd at the Oldfield Animal Teaching Facility in Corvallis. Both workshops begin at 5:00 pm. The guest speaker is Dr. Todd Price, North Central Veterinary Services, OH. Pre-registration is needed by September 20th to determine meal numbers. For registration/questions, contact Matt Kennedy at

[matthew.kennedy@oregonstate.edu](mailto:matthew.kennedy@oregonstate.edu).

Matt Kennedy

Senior Instructor, OSU Dept of Animal & Rangeland Sciences

**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)

**Crook County** Extension Service - Phone 447-6228,  
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>

Warm Springs: <http://extension.oregonstate.edu/warmsprings>

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

#### Central Oregon Agricultural Extension Service Staff

◆ Dana Martin, Regional Administrator, 548-6088

◆ Mylen Bohle, Crops, Cereals, Hay, Pasture and Irrigation,  
447-6228

◆ Tim Deboodt, Range Resources and Livestock, 447-6228

◆ Amy Jo Detweiler, Horticulture, 548-6088

◆ Scott Duggan, Livestock, 480-3091

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◆ Toni Stephan, Horticulture and Small Farms Instructor,  
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◆ Nicole Strong, Forestry, 548-6088

◆ Carol Tollefson, 475-7107

◆ Heike Williams, Bees & Pollinators, 475-7107

◆ Tracy Wilson, Soil Health and Plant Nutrition, 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.

## Ag Tech Demo Day

Are you interested in learning more about the latest Trimble high-tech agriculture equipment? Join SITECH Oregon and learn more about autopilot technology, soil and water information systems and Field-IQ Rate control technology. No need to register as this is a "come-and-go" event with equipment demonstrations from 10:00-3:00 p.m. Event is located at 38930 Shelburn Drive, Scio, OR 97374 and takes place September 19-20, 2017. Attendees will have the opportunity to get behind the wheel and test drive equipment. BBQ lunch will be served from 11:30-1:00. For more information, contact your SITECH ag representative at (503) 280-1505.

Katie Ralls

## Soil Health Practices Boost Bottom Line

Soil health practices such as cover crops and no-till have increased some farmers bottom line over \$100 per acre, annually, in the Illinois/Missouri/Iowa area of the U.S. This is based on case studies by the National Association of Conservation Districts (NACD) and Datu Research LLC. Cover crops and no-till can limit soil loss, reduce runoff, enhance biodiversity, increase soil organic matter, and more. The case studies documented the economics of converting to this system. The case studies found that 1) Fertilizer costs were decreased by as much as \$50/acre; 2) Erosion repair cost was reduced by as much as \$16/acre; and 3) Yields (income) increased up to \$76/acre. They did find that planting costs increased up to \$38/acre. For more in depth reading of these case studies go to:

<http://www.daturesearch.com/case-studies/upper-mississippi-river-basin/>

(Source: Feedstuffs, Jacqui Fatka, August 30, 2017)

Mylon Bohle

## Pasture and Grazing Management Field Day

Deschutes County SWCD, NRCS, and OSU Extension Service continues their Pasture and Grazing Field Days with another being held during the week of September 18-22. The pasture field day will start at 6:00 p.m. and conclude at dusk. The pasture will be our laboratory and our focus will be on pasture legumes and grasses, as well as all things related to pasture and grazing management. Tammy Harty and Jan Roofener, Deschutes County SWCD, Mylen Bohle, Scott Duggan, Clare Sullivan, and Toni Stephan, OSU Extension Service, and Tom Bennett and Nicholle Kovach, NRCS, will participate, as their schedules allow.

We will look at a late summer-planted, No-till field of different legumes (Alfalfa, Sainfoin, and Birdsfoot trefoil) drilled N-S, and Tall fescue, Orchardgrass and Perennial ryegrass, drilled E-W, to be managed as a pasture.

Location: 1227 NE Henderson Drive, Madras. - once there, drive 500-600 feet north and cross over the irrigation ditch bridge and turn right and travel down the ditch road about ¼ mile.) Please RSVP for the **exact date** to Tammy Harty, Deschutes Soil and Water Conservation Service, at Ph: (541) 815-0203 or email: [tammyharty@msn.com](mailto:tammyharty@msn.com).

Mylon Bohle, Tammy Harty, and Scott Duggan

## Goat Education Day

Saturday, September 23 from 8:30 am to 4:00 pm at the OSU Southern Oregon Research and Extension Center Auditorium, 569 Hanley Rd, Central Point, OR. Choose four classes from a selection of 11, two in the morning and two in the afternoon, for \$35.00. Or choose two morning classes and cheesemaking in the afternoon for \$50. Class topics are geared to both beginner and advanced goat owners.

Register online at <http://bit.ly/JacksonGoatEdDay2017> or call 541-776-7371.

Ask about a youth discount. Cost: \$35 to \$50. Website: <http://extension.oregonstate.edu/sorec/SF-classes>.

Scott Duggan

## 2017 Cereal Variety Trial Update

The 2017 (and previous years) Oregon irrigated and dryland wheat variety trials yield, protein, and agronomic data are available at <http://cropandsoil.oregonstate.edu/group/wheat>. The COARC Madras site data are specifically located at <http://cropandsoil.oregonstate.edu/system/files/u4541/2017%20Madras%20OWEYT.pdf>. Average yield for the trial was 122 bu/ac with variety yields ranging from 106 to 143 bu/ac.

If you are interested in barley; there are some new winter and spring forage and grain variety releases. Barley World website is <http://barleyworld.org/>

Mylen Bohle

## Alfalfa Intensive Training Seminar

The Alfalfa Intensive Training Seminar will be held on November 14-16, 2017, at the Sheraton Suites Akron Cuyahoga Falls, 1989 Front Street, Cuyahoga Falls, OH. The seminar is taught by Extension Forage Specialists and USDA Dairy Research Center personnel from Michigan, Wisconsin, Pennsylvania, and Minnesota. There will be 11.5 certified crop advisor credits offered.

“National Alfalfa and Forage Alliance’s (NAFA) mission is to ensure the ability of all segments of the alfalfa and forage industry to compete effectively and profitably, domestically and abroad. The objective of NAFA is to be a forum for consensus building among the various stakeholders and to be an effective advocate on behalf of the alfalfa and forage industry.” *Oregon Hay and Forage Association is an affiliate member.* 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 (producers \$100/year) or \$750 for non-members and room reservations are needed by October 25.

Mylen Bohle

## Rural Oregon

*Rural Oregon: Analyzing demographic and economic trends across rural Oregon and a look ahead.* “It is no secret that rural Oregon has yet to fully share in the economic recovery, if at all. Rural America at large, experiences a similar pattern, outside of the oil and gas boom towns across the country’s heartland.” (M. McMullan and J. Lehner) This is a 6 page brief written by the Oregon Office of Economic Analysis.

<https://oregoneconomicanalysis.files.wordpress.com/2015/08/rural-oregon-2015.pdf>

Mylen Bohle

## Statewide Monthly Wheat Marketing Meetings Cancelled

The Oregon Wheat Growers’ League (OWGL) has announced that the Statewide Marketing Education Series Meetings will no longer be held. Attendance, or rather the lack of, is the reason for discontinuing the meetings. 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). *We need an OWGL president for the Central Oregon area.*

Mylen Bohle

## Tri-State Grain Growers Convention

The Tri-State Grains Convention will be held at the Davenport Grand Hotel in Spokane, WA, November 8-11, 2017. Some of the highlights for this year include Mark Mayfield, Comedian; Peter Zeihan, Geopolitical Strategist; Bryce Anderson, Meteorologist; and Sonny Perdue, U.S. Secretary of Agriculture. Lots of other breakout sessions are scheduled. Idaho, Oregon, and Washington will hold their annual meetings at the convention. For more details go to: <http://www.owgl.org/> or <http://www.wawg.org/convention>.

Mylen Bohle

## Western States Alfalfa and Forage Symposium

The Western States Alfalfa and Forage Symposium will be held at the Grand Sierra Resort in Reno, NV November 28-30. This year’s theme is “Producing High Quality Forage in the West”. The first day will be a stand alone workshop on forage quality – lecture and hands-on activities (\$100). The second and third day will be a mix of main and concurrent sessions. (\$250) or sign up for all 3 days (\$325). For information, schedule, and registration go to [www.calhay.org/symposium/](http://www.calhay.org/symposium/)

Mylen Bohle

## Cereal Hay Testing!

There seems to be a fair amount of cereal hay around this cropping season so if selling or buying cereal hay, really think about testing that hay for nitrates. Elevated nitrate levels in forage is more of an issue for ruminant animals, while horses are much more tolerant of higher nitrate levels in forage. Of course any grass, grass/alfalfa, and even alfalfa forage that was stressed for one reason or another, should also be tested.

Mylen Bohle

## Oregon Society of Weed Science Annual Meeting

The Oregon Society of Weed Science will be holding their Annual Meeting and Conference at Hood River on October 24-25. Membership is \$20 annually and the one and one half day conference cost is \$80, which will include membership. Registration at the door is \$95. For more information on the agenda and registration details, contact Andy Hulting at 541-231-7410 or email:

[andy.hulting@oregonstate.edu](mailto:andy.hulting@oregonstate.edu). Room reservations can be made at the Hood River Inn (Best Western Inn) (1-800-828-7873)

Mylen Bohle

## Oregon Vegetation Management Association Conference

OMVA Annual Conference will be held in Seaside, Oregon at the Seaside Civic and Convention Center on October 10-12. There usually is 14-15 pesticide recert credits available. Agenda and registration can be accessed through this web site: <http://www.ovma.net/ovma-home-page.html>.

Mylen Bohle

## Oregon Forage and Grassland Council/ Oregon Sheep Growers Assoc. Conference

OFGC will hold their winter meeting November 30 December 2 in Springfield, OR. This will be a dual meeting of the OFGC and the Oregon Sheep Growers Association. November 30 will be ranch/pasture tours and an Artificial Insemination Workshop. December 1 will be 4 concurrent educational sessions. (December 2 will be the Sheep Growers annual meeting and their reports.) OFGC web site is <http://www.oregonforage.org/> or contact Woody Lane, President of OFGC, at [woody@woodylane.com](mailto:woody@woodylane.com) or call 541-440-1926.

Mylen Bohle

## Far West Winter Conference

The Far West Agri-business Association announces their conference will be held at the Boise Centre, Boise, Idaho on December 11-13, 2017. They are combining the two conferences into one and will rotate between Washington and Idaho every other year. There are some good irrigated, dryland, and safety related sessions always on the agenda. For more details, registration, and hotel information go to: <http://fwaa.org/>.

Mylen Bohle

## What is Hay Worth?

Wondering what the price of hay is whether you are buying or selling? Especially if you are raising and selling hay, you may want to get in on the weekly call from USDA Market News Service, Portland, OR. The C.O. hay market report can be freely accessed at the home page: [http://www.ams.usda.gov/mnreports/ml\\_gr313.txt](http://www.ams.usda.gov/mnreports/ml_gr313.txt) or if you want to go directly to the page to check on all of the different state markets, go to this web site: <https://www.ams.usda.gov/market-news/hay-reports>

Once you are signed up to participate in the hay market report if you would like to contribute to the report, someone from the office will call (or you can call) and inquire if you have sold hay, number of tons, for what price, what the quality is, etc. This information is then compiled weekly and put up on the Internet or is published in the Capital Press. The idea is if both seller and buyer know the market; then a true, free and fair market exists for all concerned. Contact phone number is (970) 353-9750.

Mylen Bohle

## OHFA Fall Forage Seminar

There will be an Oregon Hay and Forage Association (OHFA) Fall Forage Seminar held at the Lake County Fairgrounds or Lake County Extension Office, Lakeview, OR on November 17<sup>th</sup>. This forage seminar will precede the Oregon Hay King Contest being held on Saturday, November 18<sup>th</sup> at the Lake County Fairgrounds. Lake County Hay and Forage Association (LCHFA) is hosting forage seminar, in cooperation with the Oregon Hay and Forage Association, OSU Extension Service and Ag Experiment Station. Definitive details and agenda will be in the next newsletter or go on line at [www.oregonhaygrowers.com](http://www.oregonhaygrowers.com) Questions: Contact Pete Schreder at 541-947-6054, Dan Roberts, President of LCHFA at 706-742-0905, or OHFA President, Greg Mohnen, at 541-419-5339.

Mylen Bohle

## Pivot Irrigation System Upgrades

As the irrigation season is coming to an end in mid-October, this fall will be a good time to think about converting your Mid Elevation Sprinkler Application (MESA) system pivot or linear (full size or mini) to a Low Energy Precision Application (LEPA) or a Low Energy Sprinkler Application system. An irrigation audit can help a producer to better make the decision to convert. Both the area electric Co-ops (through Wy'East) and Pacific Power Co. (through Energy Trust of Oregon) customers can take advantage of cost share incentives to make that conversion. Producers are reporting about one third of the cost is covered. So the good news is that on average, producers have reported power bill savings of around 18% and water savings of around 18%, annually. The system is still set up to deliver the same amount of water, though.

One does need to match up the number of nozzles based on the texture of soil. Some fields with less water holding water capacity and lighter soil will want the nozzles to be closer together - some of these pivots have nozzles at 30 inches apart and are working well. Some pivots have nozzle spacing up to 50 inches on heavier clay-type soil with greater water holding capacity and with better above and below soil lateral movement of water. Most of these systems are going in with nozzles that can be switched back and forth from LESA to LEPA, back and forth as needed.

In addition to the water and power savings, what are some of the other advantages? If we are irrigating below the canopy (12 inches or even lower is best); than there should be less lodging. Growers have reported less lodging locally in timothy hay, triticale hay, and spring wheat, compared to the MESA systems. In fact the triticale was 6-9 inches taller in the LESA span and did not lodge. If we are not watering the canopy, then there "should" be less disease in crops, such as "brown leaf" in grass hay, or stripe and leaf rust in wheat, or diseases in other crops, because we are Not watering the foliage. We do need research to document this.

Every time - we water the crop canopy, we may be leaving one tenth of an inch of water on the foliage that evaporates off and never reaches the soil. So the closer we get these nozzles to the soil, the less evaporation there will be. The closer we get the nozzles to the soil, the less the wind will affect where that water is going.

Check out this LESA/LEPA publication on line at: <http://extension.oregonstate.edu/crook/irrigation> . Contact Mylen Bohle if you would like to talk about the advantages (there are many) and the disadvantages (there may be a couple) of converting your linear or pivot. If you are already convinced of converting, contact your power company cost share providers and your irrigation equipment dealer.

Mylen Bohle

## 2017 Oregon Hay Directory

The 2017 Oregon Hay Directories have arrived. Stop by your local Extension Offices to pick up a directory. The hay directory is published by the Oregon Hay and Forage Association (Ph: 541-447-6228). Or go online to:

[www.oregonhaygrowers.com](http://www.oregonhaygrowers.com)

Mylen Bohle

## 2017 Oregon Hay King Contest

The Oregon Hay and Forage Association in cooperation with Oregon State University Extension Service and Oregon State University Agricultural Experiment Station is sponsoring the 2017 Oregon Hay King Contest which will be held on Saturday, November 18<sup>th</sup> at the Lake County Fairgrounds, Lakeview, OR. Bale Delivery is 7:30-8:45 am and judging starts at 9:00 am and will conclude at 4:00 pm or earlier. There will be complimentary donuts and coffee available, and lunch will be available (working on details).

The Hay King contest is an annual event where hay growers can not only show off their hay, but network with other growers, exchange ideas, and just celebrate the end of another year's harvest. The 2017 contest will be hosted by the Lake County Hay and Forage Association.

The 7 hay classes to be judged will include: 1. dairy alfalfa 2. retail alfalfa 3. grass 4. grass/legume mix 5. cereal 6. cereal/legume (pea or vetch) mix 7. timothy

Entry forms, hay samples, and checks need be received by Friday, November 3<sup>rd</sup>, to the Klamath Basin Research and Extension Center (KBREC). On November 18<sup>th</sup>, show up at the Fairgrounds, with your bale or bales, from the stack you core-sampled earlier, and watch the judges feel, smell and paw through everyone's hay. It is a very educational day. The bales are judged and awarded points based on quality testing (RFQ score) and sensory evaluation.

The quality testing will be predicted by NIRS at the Klamath Basin Research and Extension Center. Hay quality parameters quantified will include crude protein, ADF, NDF, TDN, RFV, RFQ, ash, dNDF, NDFD and many more quality indicators. The RFQ analysis scores are combined with the sensory scores, to name a winner in each category. So enter one or more classes and be the next Hay King for a year.

Send hay core samples, entry form, and \$25 per entry to Hay King Contest c/o Klamath Basin Research and Extension Center, 6941 Washburn Way, Klamath Falls, OR 97603-9365. Checks should be made out to "Oregon Hay and Forage Association". All sizes of bales are eligible for competition.

### Hay King Contest Rules

1. All contestants must enter a cored sample of their hay entry by the **November 3rd deadline**. The cored sample can be sent directly to the contest Lab. Payment and the entry registration form must be turned in with the cored hay samples. Additionally, one bale of each class of hay entered, must be in place at the contest location by 9 am, November 18<sup>th</sup>.
2. Cored hay samples must be a representative sample of the entire lot of hay.

This means that:

- a. Multiple cored sub-samples (20) must be taken to make up your sample, rather than an entire flake, or a portion of a flake.
  - b. The inside diameter of the coring device must be no less than 3/8 inches (if you don't have a coring device, contact your Extension office). Note the type & size of sampling device on your entry form.
  - c. A minimum of 20 bales must be sampled at random from each lot of hay (a lot is hay from the same cutting, variety, field, stage of maturity, and harvested within the same day). A lot should not exceed 200 tons of hay, or be less than 30 tons.
  - d. When sampling, probe the bale near the center, at least 12 to 18 inches into the butt end of the bale. The probe should enter horizontally at a right angle to the surface of the end of the bale. Be sure the probe doesn't slant up, down, or sideways.
  - e. Combine core samples for each class entry into a single sample by combining them into a sealed freezer bag. Samples submitted with less than a quart bag full of sample may be rejected. (This equates to a minimum of about 200 grams or 1/2 lb or greater of sample material, if sampled properly) Do not ever try to subdivide the sample! It is impossible to subdivide the sample until it is ground. Even if you have too much, send the whole sample in.
3. If there is not a minimum of 2 entries in a class of hay, the classes may not be judged, this will be at the OHFA board's discretion. The submitter will be informed prior to the contest.

Web site for the Oregon Hay and Forage Association is: <http://www.oregonhaygrowers.com/>.

Mylen Bohle

**If you would rather get this newsletter ONLY by email, please contact your local Extension office (Crook, Deschutes, Jefferson, or Warm Springs). We will be glad to switch you over to EMAIL. And then you will also receive the one page bi-weekly Ag e-News as well.**

**Calendar**

**September**

- 9 Beekeeping Workshop in Madras (see article)
- 16 OSU Jefferson County Extension Community Celebration (see article)
- 19-20 SITECH Ag Tech Demo Day, Scio, OR (see article)
- 21 Crop-up Dinner & Market Showcase, Madras (see article)
- 22 Oregon Pork Producers Fall Education Workshop, Madras (see article)

**October**

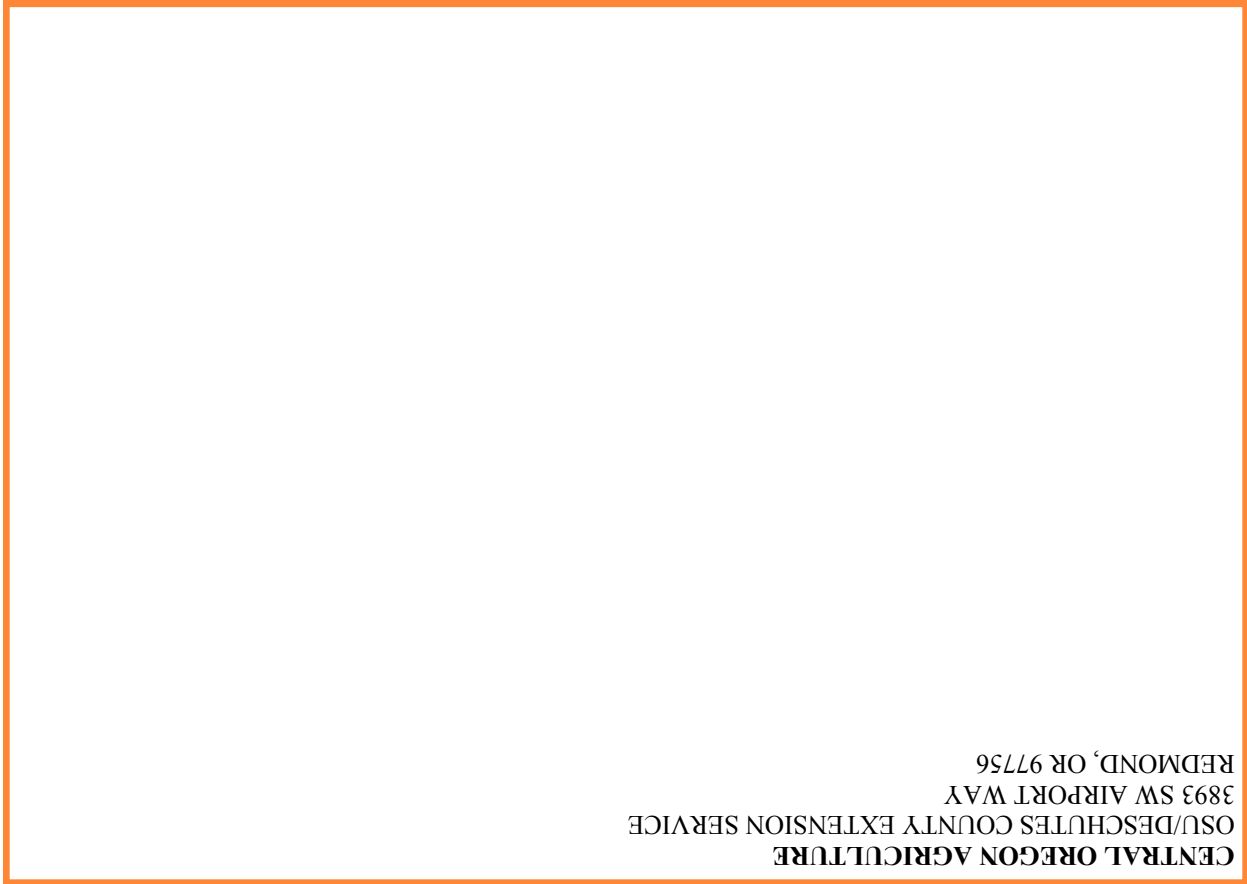
- 10-12 Oregon Vegetation Management Association Conference, Seaside, OR (see article)
- 24-25 Oregon Society of Weed Science Annual Mtg. Hood River Best Western Inn, Hood River (see article)

**November**

- 3 Hay Quality Samples are due for Oregon Hay King Contest. (see article)
- 6-10 Irrigation Show & Education Conference. Orlando, FL [www.irrigation.org](http://www.irrigation.org).
- 8-11 Oregon / Idaho / Washington Tri-State Grains Convention. Spokane, WA.. <http://www.owgl.org/> (See article)
- 15-17 Alfalfa Intensive Training Seminar. National Alfalfa and Forage Alliance. Cuyahoga Falls, OH [www.alfalfa.org](http://www.alfalfa.org) (see article)
- 17 OHFA Forage Seminar. Lakeview, OR (see article)
- 18 Oregon Hay King Contest. Lakeview, OR (see article)
- 23 Thanksgiving Holiday
- 28-30 Western States Alfalfa and Forage Symposium. The Grand Sierra Resort, Reno, NV. (see article)
- 30 Oregon Forage and Grassland Council Fall Forage Day, Springfield, OR (see article)

**December**

- 7-8 National Conference on Cover Crops & Soil Health, Indianapolis, IN [http://www.swcs.org/en/conferences/2017\\_national\\_conference\\_on\\_cover\\_crops/](http://www.swcs.org/en/conferences/2017_national_conference_on_cover_crops/)
- 11-13 Idaho Far West Conference. Boise Centre, Boise, ID (see article)
- 25 Christmas Holiday



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