

# Central Oregon Agriculture

VOLUME 25 ISSUE 5

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## Pasture and Grazing Management Field Days

Deschutes County SWCD, NRCS, and OSU Extension Service continues their Pasture and Grazing Field Days (see schedule below). 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 all things related to pasture and grazing management. Tammy Harty and Jan Roofner, Deschutes County SWCD, Mylen Bohle & Scott Duggan, OSU Extension Service, and Tom Bennett, Nicholle Kovach, and Karlie Wyman, NRCS, will be participating, as their schedules allow.

### Agenda and Discussion Highlights:

Introductions, Producer goals for the Pasture, Demonstration of Pasture Stick, Results of simulated grazing trial at Madras, Dig Plants & Look at Roots, Identify Pasture Plants (grass, legume, and forb species), How do the Animals Graze, Soil Testing and Pasture Fertility, Soil Survey, Grazing Management and Plant Heights, Irrigation Management, SWCD & NRCS Programs, Pasture / Grazing Inventory Score Sheet Exercise, And Any Other Questions...

### Field Day Schedule and Sites

Sept 20 Pitchfork-T Ranch , 71275 Holmes Road, Sisters, (Mgmt-intensive Grazing Registered Red Angus Cow/Calf Operation)  
Oct ?? COARC, 850 NW Dogwood, Madras. (Focus will be on Orchardgrass Clip Height Trial)

Please RSVP to Tammy Harty, Deschutes Soil and Water Conservation Service, at Ph: (541) 815-0203 or email: [tammyharty@msn.com](mailto:tammyharty@msn.com).

## Statewide Monthly Wheat Marketing Meetings

The Oregon Wheat Growers' League "will probably announce" that the Statewide Marketing Education Series Meetings will resume Thursday, October 20<sup>th</sup> (Tentatively), and then December, February and April. These monthly meetings generally occur the *third Thursday*, every other month, via Polycom video conferencing at various locations throughout the state. In Central Oregon producers can view the monthly Polycom presentations at the COARC, Madras site or at the OSU Crook County Extension Service Office at 498 SE Lynn Blvd, Prineville. Please call 541-475-7107 (COARC Madras) or 541-447-6228 (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

## 2016 Oregon Hay Directory Are Now Available

The 2016 Oregon Hay Directories have arrived. Stop by the local Extension Offices to pick one up. 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.

Mylen Bohle

## Central Oregon Forage Seminar and Oregon Hay King Contest

Detailed information is inside this newsletter!

Mylen Bohle

**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>

Central Oregon Agricultural Research Center:

<http://loregonstate.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

◆ Marvin Butler, Research

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

◆ Amy Jo Detweiler, Horticulture, 548-6088

◆ Scott Duggan, Livestock, 480-3091

◆ Jeremiah Dung, Plant Pathology, 475-7107

◆ Tracy Wilson, Soil Health and Plant Nutrition, 475-7107

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

◆ 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.

## Drought Impacts on Your Trees A Forest Health Field Tour

Is our current drought impacting your trees? Join forest health experts from Oregon State University, the Oregon Department of Forestry, and the US Forest Service for a day of forest health learning. We will spend a little time in the classroom and then head out to the Wine Down Ranch for hands-on experience diagnosing drought related forest health issues such as bark beetles, mistletoe, and maybe even some root rot! We will also discuss potential mitigation strategies.

This FREE field tour will cover the following:

- The way in which drought impacts forest health
- Common insects and diseases in Central Oregon: beetles, mistletoes, root rots, Pandora Moth
- Diagnosing insect or disease issues in your trees
- Management strategies for forest health and resilience
- History and management of Wine Down Ranch

Please bring your own lunch, we will have coffee in the morning, snacks and water during the field session. Dress for spending a day outdoors, including sturdy footwear for walking on uneven terrain.

October 5, 2016 from 9 am to 3 pm.  
OSU Crook County Extension Service  
498 SE Lynn Blvd  
Prineville, OR 97754  
RSVP Required.

Email: [carrie.smith@oregonstate.edu](mailto:carrie.smith@oregonstate.edu), phone: 541-541-6088

Questions? Contact Nicole Strong: [nicole.strong@oregonstate.edu](mailto:nicole.strong@oregonstate.edu)

Continuing Education:

This workshop qualifies for 5.0 SAF CFE Cat 1 Contact Hours  
(ISA CE request in progress).

Nicole Strong

## Goat Artificial Insemination Clinic

Instructor: Teresa Wade from BIO-GENICS

Date: October 14 -15, 2016, 9:00 to 6:00 both days

Class Day: Lowell Rural Fire District Community Room,

389 N. Pioneer Street, Lowell, Oregon

Farm Day: [Lookout Point Ranch](#), 40160 East 1st Street, Lowell, Oregon

Contact: Richard Johnson, 541-554-0650, [kiko@lookoutpointranch.com](mailto:kiko@lookoutpointranch.com)

**Cost is \$475, \$200 deposit to hold your spot. Price includes lunch and refreshments on both days.**

Classroom topics include:

- effects of stress and environment on AI success
- proper management of AI candidates and semen donors
- overview of semen abnormalities and effects on viability
- basic instruction on the doe's hormonal processes
- hormonal effects causing the condition of rut in the buck
- male and female anatomy and how fertilization occurs
- the selection of appropriate AI candidates
- effective record keeping
- proper storage and thawing techniques of frozen semen
- available AI equipment, its proper care and suggested use

Hands on training includes:

- operation and practical applications of AI tools and equipment
- liquid nitrogen tanks and handling of frozen semen
- thawing semen and loading AI gun
- how to determine the correct time to inseminate
- how to inseminate the doe

*Every student will be provided with at least one doe in heat. All you need to bring is your own AI kit, like these available at [BIO-Genics' website](#), or equivalent. Everything else is supplied.*

Scott Duggan

## Oregon Vegetation Management

### Association Conference

OMVA Annual Conference will be held in Seaside, Oregon at the Seaside Civic and Convention Center on October 24-26 (Monday 1:00 p.m. through Wednesday 11:45 a.m.) 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 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 25-26. Membership is \$20 annually and the one and one half day conference cost is usually \$80. 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 Best Western Inn (1-800-828-7873)

Mylen Bohle

## Oregon Forage and Grassland Council Fall Forage Day

OFGC usually holds a Fall Forage Day in October in the Willamette Valley. 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

## 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

## 2016 Cereal Variety Trial Update

The 2016 (and previous years) Oregon irrigated and dryland wheat variety trials yield, protein, and agronomic data are available at <http://cropandsoil.oregonstate.edu/group/wheat>. There are data available for COARC Madras site. Average yield for the trial was 166 bu/ac with varieties yields ranging from 116 to 186 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

## 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

## Fall Forage Management

We have about 4-6 weeks left of forage growth in our irrigated pastures and hay fields. How we manage these fields before the forage plants go dormant will determine how they perform next year.

Right now grass plants are growing new root systems and new tillers are being formed (since the end of August/first of September) these new tillers will be next year's grazing or hay production. If we have grazed, clipped or harvested to an inch or less, that is not good plant management. This will restrict the root growth and tiller formation during the time the roots are trying to regenerate, and, next years forage growth tillers are forming.

While different plant species have different minimum grazing heights so they will perform optimally – around 3-4 inches minimum plant height going into the winter is what is needed for the majority of grass plants to function properly and optimally. Really, they do even better with higher and more plant height left behind. But consideration of rodents and what do you do with last year's forage in next year's bales are considerations as well. (Orchardgrass, as an example, may not fully recover the carbohydrates and sugars it had prior to its harvest, until the first 5 leaves of the plant are formed during growth.)

Gene Pirelli, Regional Livestock and Forage Agent in Polk County shared an experience that he did a residual grazing height study with sheep, around 1995 in the Willamette Valley, which left different residual plant heights going into the winter in the Willamette Valley. What he found was that the pasture treatment with 4 inches or more of stubble height left in the Fall, had graze-able forage 6 weeks earlier than the continuous grazed pasture the following spring.

Alfalfa – the whole time it is re-growing until it reaches a plant height of 6-8 inches is totally dependent upon root reserves. If alfalfa does not grow taller than the 6-8 inches, over about 6 weeks of regrowth time, to begin to replenish the root carbohydrates, then it goes through winter in its most weakened state. If we harvest off the alfalfa, and there is no regrowth, there will be no reduction in the carbohydrate storage. If you are in a particularly cold area, then having some stubble on the field to catch snow and help insulate to keep soil temperature warmer is good management. Once we frost down, and alfalfa goes dormant, then we can graze alfalfa and have less effect on it. Although grazing alfalfa can have some detrimental effect on alfalfa crowns.

Mylen Bohle

## OHFA Fall Forage Seminar

There will be an OHFA Fall Forage Seminar held at the Mazatlán Restaurant in Madras on Friday, November 18<sup>th</sup>. 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. Central Oregon Hay Growers' Association is hosting forage seminar, in cooperation with the OSU Extension Service and Ag Experiment Station. Details and agenda will be in the next newsletter 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.

Mylen Bohle

## Swine Workshop - Veterinary Feed Directive and Post Cervical AI—Reminder/Agenda

Oldfield Animal Teaching Center, Corvallis. Friday, September 9

5:00 pm – Introductions

5:10 – The Veterinary Feed Directive and Antibiotic Usage Changes on the Farm. Dr. Dave Pyburn, Vice-President of Science and Technology, National Pork Board

6:10 – Oregon Health Update. Dr. Brad LeaMaster, State Veterinarian, Oregon Department of Agriculture

6:25 - Drugs, Laws, Money and Samples. Richard TenEyck, Feed Specialist, Oregon Department of Agriculture

6:45 – Dinner

7:15 – Post Cervical Insemination. Mike Garner

8:15 – Adjourn

Jefferson County Fairgrounds, Madras. Saturday, September 10

10:00 AM – Introductions

10:10 – The Veterinary Feed Directive and Antibiotic Usage Changes on the Farm. Dr. Dave Pyburn, Vice-President of Science and Technology, National Pork Board

11:10 – Oregon Health Update. Dr. Brad LeaMaster, State Veterinarian, Oregon Department of Agriculture

11:25 - Drugs, Laws, Money and Samples. Richard TenEyck, Feed Specialist, Oregon Department of Agriculture

11:45 – Lunch

12:15 – Post Cervical Insemination. Mike Garner

1:15 - Adjourn

Gene Pirelli, OSU Extension Swine Specialist

## Tri-State Grain Growers Convention

The 2016 Tri-State Grains Conference will be held at the [Coeur d'Alene Resort](http://www.coeurdalene.com) in Coeur d'Alene, Idaho, November 9-12, 2016. 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 25<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>.

Mylen 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.

Topics to be covered include: Genetics, Variety Testing & Selection Testing, Seed Production, Growth & Development, Forage Quality and Terms, Soils: Fertility and Manure Management, Establishment, Irrigation, Pest Management, Harvesting: Options, Losses, & Decisions, Mowing and Field Drying, Silage Preservation, Hay Preservation, Alfalfa in Rotations, Role of Alfalfa in Animal Diets, Alfalfa – Custom Harvesting, and Economics.

This is an outstanding, 16-hour training, if you want to increase your knowledge of alfalfa. I have taken the beginners and advanced courses and found the two workshops to be some of the most valuable time spent at any training. (My attendance at those trainings was made possible by Central Oregon Hay Growers Association paying my registration fees.)

“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.” 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).

Mylen 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. 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/>.

Mylen Bohle

## 2016 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 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. There will be complimentary donuts and coffee available in the morning, 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 2016 contest will be hosted by the Central Oregon Hay Growers' 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 4<sup>th</sup>, to the Klamath Basin Research and Extension Center (KBREC). On November 19<sup>th</sup>, show up at Ag West Supply in Madras, with a 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 nutrient 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 4<sup>th</sup> 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 19<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/>.

Mylon Bohle

## Cereal Hay Testing!

There seems to be a fair amount of cereal hay around this cropping season, Producers selling, and purchasers buying, cereal hay, should be 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.

Mylon Bohle

# Calendar

## September

## October

- 20 Wheat Marketing Meeting (see article)
- 24-26 Oregon Society of Weed Science Annual Meeting. Hood River Best Western Inn, Hood River (see article)
- TBA Oregon Forage and Grassland Council Fall Forage Day (see article)

## 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 California Alfalfa and Forage Symposium. Peppermill Resort, Reno, NV. <http://calhay.org/> (see article)

## December

- 1 California Alfalfa and Forage Symposium. Peppermill Resort, Reno, NV. <http://calhay.org/> (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
- 25 C.O. Forage Seminar. Prineville, OR
- 27(?) C.O. Pesticide Conference. Deschutes County Fairgrounds, Redmond, OR

