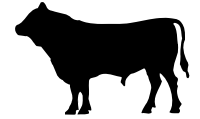


Oregon State University Extension Service
The Prompter / Rancher Review
A Union, Baker and Wallowa County Farm & Ranch Newsletter



May-June 2007



We're on the web!! <http://extension.oregonstate.edu/union/index.php>

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Extension Service



May 2007

- 22 Austin Family Business Program Conference, Portland
- 24 Umatilla County Weed & Crop Tour
- 29 PURS Training, La Grande BMCC. 6 - 8 p.m.
- 30 PURS Training, Baker City, BMCC. 1 - 3 p.m.
- 31 PURS Training, Enterprise BMCC. 8 - 10 a.m.
- 31 HAREC Grass Weed Field Day, Hermiston

June 2007

- 1-2 OSU Dept. of Crop & Soil and Animal Sciences Centennial Celebration, Corvallis
- 4-9 100th Annual Eastern Oregon Livestock Show
- 12 OSU-CBARC Field Day, Pendleton Station
- 13 OSU-CBARC Field Day, Moro Station
- 16 Wallowa County Annual Weed/Grass Tour, 8 am, Cloverleaf
- 20 31st Annual Union County Crops and Conservation Tour
- 22 OSU Wheat Breeding Program Field Trial Tour, Baker
- 26 OSU Range Field Day, La Grande
- 26-27 Interpreting Indicators of Rangeland Health training, Burns
- 28 OSU-HAREC Potato Field Day, Hermiston. 8 a.m. - noon

July 2007

- 8-13 Summer Ag Institute Eastern Oregon Session for Oregon Public School Teachers
- 17-20 Interpreting Indicators of Rangeland Health training, La Grande
- 30-Aug 4 Union County Fair

August 2007

- July 30-4 Union County Fair
- 4-11 Wallowa County Fair
- 6-11 Baker County Fair

Check our Union Co. website "Field Crops" and "Hot Topics" links for more information as it becomes available!!

Workshops, Seminars, and Training Events

Austin Family Business Program Conference

May 22, 2007

Location: Hilton Portland & Executive Tower
921 SW Sixth Avenue
Portland OR

Time: 7:30 - 5:00 PM

Fee: \$190 per person

Bring the entire family for a day packed with intensive learning sessions, one-on-one meetings with family business experts, and interactive panel discussions that will increase the power and effectiveness of your family business. No matter what generation your family or privately-held business is in, this conference will help you develop "best practices" in areas such as managing boundaries between home and business, succession, governance, estate planning, growing the business, investments, and conflict resolution. Conference will run from 7:30 a.m. to 5:00 p.m. on May 22, 2007.

HAREC Grass Weed Field Day - Hermiston

May 31, 2007

8:30 - 12:30 p.m.

- Registration (Coffee and Donuts)
- Weed Control in the LUB
 - a. Metam-sodium use for weed control
 - b. Annual bluegrass management in Kentucky bluegrass
 - c. Grass seed crop tolerance
- Disease control in the LUB, Phil Hamm, OSU and Nick David, OSU
Ergot, Powdery Mildew, and Stripe Rust
- Pests in the Columbia Basin, Silvia Rondon, OSU
- Fertilizers and irrigation, Don Horneck, OSU

As in the past, topics will be discussed at each trial. There are lots of topics to be discussed so be sure to be on time.

Oregon and Washington pesticide recertification credits have been applied for. Certified crop advisor credits will also be available.

Umatilla County Weed & Crop Tour

OSU Ext. Office, BMCC

May 24, 2007

8:30 - 3:00 p.m.

- Coffee & donuts
- Load bus

(Continued on Page 3)

Workshops, Seminars, and Training Events

(Continued from Page 2)

- **Plot Tour**
 - Water Gradient Study - Dan Long
 - Long Term Under Cutter Study - Stewart Wuest
- **“Hands On” Sessions**
 - Precision Ag Demonstrations (Field)
 - Ride & Test Drive
 - Discussion on current Ag Topics
- **Lunch**
- **“Hands-On” Concurrent Sessions**
 - **Guidance**
Manual guidance: light bar and screen guidance
Assisted steering: Steering systems adaptable to different equipment
 - **Auto Steer/Auto Trac:**
Operate equipment with integrated automated steering systems
 - **Documentation:**
Utilize precision ag systems to document field activities
 - **Mapping:**
Create different maps utilizing precision ag systems
Download data using farm management software to view maps and create reports
 - **Precision Ag Demonstrations:**
Experience using various precision ag applications: RTK Networks, Veris EC Mapping, and Sprayer with boom section control
 - **HAREC Plot Information Tours**
Casually tour the Hermiston Ag Research and Extension Center test plots
Evaluate the ediversity of research being conducted at the Hermiston Station
 - **Ag Hot Topics**
Specialists will be available to discuss a variety of AG Hot Topics



RSVP by Friday, May 18, 2007

RSVP is necessary for vendor preparation and meal planning. Phone: 541-278-5403 or email: billie.parker@oregonstate.edu

Feel free to join us at the Hermiston Experiment Station if you can not make the bus

Workshops, Seminars, and Training Events

Animal Sciences and Crop and Soil Science Centennial Celebration!

The Departments of Animal Sciences and Crop and Soil Science are 100 years old in 2007 and we are having a celebration and you are invited! The main event will be held June 1-2, 2007 in Corvallis. The schedule of events, lodging, and travel information and on-line registration is available at <http://oregonstate.edu/conferences/centennialcelebration>. The last day to register is May 15, 2007.

Sign-Up Deadlines for Oregon Certified Seed Production

Seed Potatoes: field inspection applications and maps due June 1 or within 15 days of planting for fields planted after May 25. **NOTE: no applications will be accepted after June 30.** Sign-up deadline for survey of uncertified potato fields June 15. Latent virus testing (field) application deadline July 15. Winter test sample application due November 2 (note: none accepted after January 2).

Small Grains: Crop inspection applications due June 1 for fields planted Feb 1 – May 17 or within 15 days of planting for fields planted after May 17. Spring grains needing seedling inspections must be signed up within 15 days of planting.

Grass seedling inspection applications are due within 60 days of planting.

Rapeseed/Canola crops inspection applications are due March 15 or within 15 days of planting, if planted on or after March 1.

Field bean crop inspection applications due June 1. Chickpea applications due June 15. If either crop planted after sign-up deadline then applications due within 15 days after planting.

OSU Wheat Breeding Program Field Trial Tour - Clover Creek

Please join us for an in-field tour of the 2007 Oregon Winter Elite Yield Trials located in the Clover Creek area on the Craig Ward Farm. Featured speakers include Dr. Jim Peterson, OSU Wheat Breeder, and Dr. Mike Flowers, OSU Extension Cereal Specialist, who will give an update on the breeding program and discuss the many soft white, hard red, and hard white wheat lines included in the trial. The tour will take place on June 22 from 9:00 a.m. to 10:00 a.m.

Directions to the plot site: take I-84 east towards Baker City, exit at Clover Creek, cross over the interstate, turn right onto Heber Road, and drive approximately 3/4 mile. We will meet at the Union Co. Extension office between 8:15 and 8:30 a.m. to arrange car pool options and then travel to the site. Hope to see you there!

Workshops, Seminars, and Training Events

Interpreting Indicators of Rangeland Health

The OSU Extension Service and the Natural Resource Conservation Service will host Interpreting Indicators of Rangeland Health training in Burns June 26 & 27th. This two-day training will cover the basics of this innovative methodology for assessing rangelands. Participants in this 2-day course will learn how to apply the "Interpreting Indicators of Rangeland Health" qualitative evaluation protocol. They will also learn how to quantify selected indicators.

This assessment is a visualization and communication process qualitatively assessing warning signs for rangeland health problems. It includes biotic and abiotic indicators; rangeland thresholds and health concepts; assessment tools at the local level and selecting the appropriate ecological reference area. This allows for a manager to quickly assess what is occurring on the land and to focus his management on those areas that may indicate a need for improvements. For more information contact the OSU Extension Office in Harney County, 1-541-573-2506.

A more intense three and a half day training on the same subject is being held in La Grande July 17 thru the 20th. The Bureau of Land Management is sponsoring this Interpreting Indicators of Rangeland Health training. The target audience: resource specialist teams; participation from the local community, colleges and other state or federal agencies. This training is also being offered June 19-22, 2007 in Montrose, CO. **For a full agenda, go to <http://extension.oregonstate.edu/wallowa/> and click on Local Publications.** For more information on the La Grande training contact Kelly Sparks, Kelly_Sparks@blm.gov or Earl Russell, Calvin_Russell@blm.gov, 602-906-5635. There is no cost to any of these trainings.

PURS

In 1999 the Oregon Legislature passed a bill creating the Pesticide Use Reporting System. This law requires Web-based reporting of all pesticide applications in the State of Oregon conducted: in the course of business; or for a government entity; or in a location intended for public use or access. The 2006 legislature set 2007 as the year that reporting of all pesticide use must be reported. The Oregon Pesticide Use Reporting System will obtain actual pesticide use information according to water basin and ZIP code.

People will be required to report once per year at minimum. All 2007 pesticide use must be reported by January 31, 2008. More information can be found at: http://oregon.gov/ODA/PEST/purs_index.html.

To help local pesticide users learn how to report, the Oregon Department of Agriculture and the OSU Extension Service are holding a series of trainings in Northeast Oregon.

May 29th, **La Grande**, 6:00-8:00 pm, Blue Mountain C.C. Union County Center, 1901 Adams Ave.
541-663-1378

Register by calling Union County Extension at 541-963-1010

May 30th, **Baker City**, 1:00-3:00 pm, Blue Mountain C.C. Baker Center, 3275 Baker St.
Register by calling Baker County Extension at 541-562-6418

May 31st, **Enterprise**, 8:00-10:00 am, Blue Mountain C.C. Wallowa County Center, 107 SW 1st St.
Register by calling Wallowa County Extension at 541-426-3143

Workshops, Seminars, and Training Events

Weed/Grass Tour

June 16th

The annual Wallowa County Weed/Grass Tour is scheduled for June 16th. The tour will focus on the upper Imnaha canyon country. The tour will begin at 8:00 am in the Cloverleaf parking lot in Enterprise. It will include presentations (tentatively at the Imnaha Church), a noon barbeque sponsored by the Wallowa County Vegetation Department and the Wallowa County Stockgrowers, and stops to view the bugloss control project. The tour should conclude back in Enterprise between 3 and 4 pm. Either a bus or car pooling will be organized. For more information contact Allen Schnetzky at 426-3332 or Cynthia Warnock 426-4521 ext 106.

OSU Range Field Day

June 26th

Oregon State University's Range Field Day being held June 26 is a cooperative effort of the Department of Rangeland Ecology and Management at Oregon State University and the Eastern Oregon Agricultural Research Center (EOARC) with stations located at Burns and Union, OR.

The theme of this year's Range Field Day is "**Riparian Ecology and Management in Northeast Oregon**" and will feature presentations and field demonstrations by OSU Scientists from the Departments of Rangeland Ecology & Management and Animal Sciences.

The morning session begins at 8:00 am with no-cost registration and check-in at Huber Auditorium (102 Badgley Hall) on the campus of Eastern Oregon University in La Grande, Oregon. On-campus parking is free, but avoid parking spaces marked "reserved".

Featured presentations include causes of riparian degradation, managing riparian areas, monitoring riparian use, riparian restoration, grazing behavior and monitoring animal distribution.

An afternoon field session will focus on research conducted by Oregon State University scientists on tributaries of the Grande Ronde River near Hilgard State Park. Topics will include riparian restoration and monitoring riparian health. **For a full agenda, go to <http://extension.oregonstate.edu/wallowa/> and click on Local Publications.**

The public is invited and encouraged to attend. Box lunches will be available for \$7.50. Buses will provide free transportation to and from the field site. Interested participants may earn continuing education credits toward the Certified Professional in Range Management (CPRM) Program of the Society for Range Management. For further information, please contact Mike McInnis at 541-962-3812.

NEWS & INFORMATION

Weed Watch for Weeds on the Move! Puncture vine (*Tribulus terrestris*)



Figure 1. Puncturevine – prostrate plant, flower, bur, and fruit. Source: USDA, NRCS. 2007. The PLANTS Database (<http://plants.usda.gov>, 1 May 2007).

The time of year to watch out for pesky weeds is upon us, especially for noxious weed species such as the puncturevine weed, alias “goathead”. If you’ve ever stepped on a bur with bare feet or changed a flat bicycle tire due to a goathead “puncture”, you fully understand how problematic it can be! A review of its biology will provide a better understanding of how to more effectively control the notorious goathead, a weed on the move! In western Oregon, puncturevine is becoming more problematic in field crops such as snap beans, lima beans, and peas. Today, the weed is found in all eastern and many western Oregon counties.

Identification and Life Cycle: Puncturevine is a summer annual broadleaf weed that grows prostrate to the ground forming dense mats up to 8 ft in diameter. Hairy stems radiate out from a central point at the taproot which may reach depths of 8 ft! The hairy leaves are divided into 4 to 8 pairs of leaflets opposite each other. Yellow, 5-petal flowers are born in the leaf axils. The fruit or seed pod forms a cluster of 5 spiny burs with each bur containing up to 5 seeds. Most newly matured seeds are dormant and require an after-ripening period of 6 months. The largest seed in each bur usually germinates first while secondary and tertiary seed usually remain dormant for longer periods. Seeds can remain viable in the soil for more than 3 years. Single plants may produce 200 to 5,000 burs.

Puncturevine germinates in the spring and summer from seeds produced the previous year. Seedling emergence begins when average soil temperature in the top inch of soil is 60F and soil moisture is available.

Habitat: Puncturevine grows under a wide range of soil and environmental conditions, however, it does best on dry sandy soils. Fortunately, plants cannot tolerate freezing temperatures. Plants are commonly found along gravelly roadsides with minimal fertility but also may be found along railways, ditch banks, orchards, cultivated fields, turf, walkways, etc. Puncturevine thrives in hot, dry conditions with its deep taproot where other plants cannot.

Management: The best management tool is prevention by avoiding the introduction of puncturevine seed into non-infested areas. Once puncturevine has become established in an area, a long-term control program must be implemented to deplete the soil seed bank. Short term control measures over a period of less than 4 years will not deplete the soil seed bank. The following management techniques are useful tools for long term management efforts but

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NEWS & INFORMATION

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may/or may not be appropriate depending on the location of the infestation:

- Hand Weeding/hoeing – very effective on small infestations before bur formation and easiest when soils are moist. After burs have formed, pull plants, bag, and discard taking care not to dislodge the burs during the plant removal process.
- Tillage – shallow tillage following germination and emergence is effective, however, tillage could bury seed that can remain viable in soil for several years.
- Competition – plant competitive vegetation or mulch to a depth of 3 inches to make the infested area more favorable for the desired vegetation and reduce potential for puncturevine.
- Biological Control – two introduced weevil species have been introduced into Oregon, however, establishment has not been successful as puncturevine continues to spread.
- Chemical Control – generally not necessary in the home landscape if consistent cultural and mechanical control measures are used. Very effective on large, infestations when pre-emergent and post-emergent herbicides are used.
- Herbicide selection depends on SITE OF APPLICATION (e.g. turf, ornamental, garden, professional landscape management, non-crop land, right-of-way, field crop, pasture, etc.) and General or Restricted Use classification of the herbicide.
- Herbicide selection details - refer to the 2007 PNW Weed Management Handbook available at your local OSU Extension Office or online at <http://www.ipmnet.org>
- Pre-emergent or soil active herbicide effectiveness may be limited on poor soils and lack of moisture. Treated soil should not be moved from treated area (e.g. wind/water run-off, equipment, etc.). Roots of desirable vegetation should not extend into treated area.
- Puncturevine is easily controlled with common post-emergence herbicides (e.g. 2,4-D, dicamba, triclopyr) and non-selective post-emergence herbicides such as glyphosate.
- The Label is the Law! Always read and follow label directions prior to purchasing, mixing, applying, and storing/disposing of pesticide products and containers.

OSU Extension Service Waxy Spring Barley Variety X Nitrogen Rate Trials:

Three trials have been established in Union and Wallowa Co. trials to evaluate the agronomic performance and grain quality of 3 waxy spring barley varieties (Salute, Merlin, YU 599-06) and 3 feed barley varieties (Baronesse, Camas, and Radiant) grown under dryland/irrigated conditions and standard grower practice (GP) fertilizer applications compared to application of an additional 30 lbs of nitrogen. Plot maps for the Wallowa Co. will be available at a later date.

The Union County site is located on a dryland production field (re-crop) on Hayes Road (approx. ½ mile south of Woodell Lane. Grower: Elwyn Bingaman). Plot was seeded on April 9, 2007 with a Fabro plot drill to a ½ inch seed depth and seeding rate of 25 seeds/ft². Prior to seeding, 85 lbs of N and 15 lbs of P per acre were broadcast and incorporated. Field seeded to Baronesse spring barley.

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NEWS & INFORMATION

(Continued from Page 8)

Union Co. Waxy Spring Barley Variety by Nitrogen Rate Trial—2007 (Elwyn Bingaman Farm)

Hayes Road	Border	Border	Border	Border
	Camas - GP	Radiant - GP	YU599-06 - GP	Radian - GP +30
	Camas - GP + 30	Baronesse - GP +30	Salute - GP+30	Baronesse - GP
	Baronesse - GP	YU599-06 - GP+30	Radiant - GP + 30	Merlin - GP + 30
	Baronesse - GP + 30	Salute - GP + 30	Camas - GP + 30	Camas - GP
	Salute - GP	YU599-06 - GP	Radiant - GP	YU599-06 - GP+30
	Salute - GP + 30	Camas - GP	Baronesse - GP	Merlin - GP
	Merlin - GP	Merlin - GP + 30	Salute - GP	Baronesse - GP + 30
	Merlin - GP+ 30	Camas - GP + 30	Merlin - GP	Salute - GP + 30
	YU599-06 - GP	Radiant - GP + 30	Baronesse - GP + 30	Radiant - GP
	YU599-06 - GP+30	Salute - GP	Camas - GP	YU599-06 - GP+30
	Radiant - GP	Merlin - GP	YU599-06-GP+ 30	Salute - GP
	Radiant - GP + 30	Baronesse - GP	Merlin - GP + 30	Camas - GP + 30
	Border	Border	Border	Border
Rep 1	Rep 2	Rep 3	Rep 4	
Woodell Lane				

▼ North

AGR-Lite follow-up

The Wallowa County Stockgrowers and the OSU Extension Office sponsored a program on the Pasture, Rangeland & Forage Program and the Adjusted Gross Revenue – Lite presented by Janet Haight, Insurance Agent during the past winter. During that training several questions were raised that required follow-up information. We finally have that follow-up information:

AGR-Lite

1. *How is hay grown for your own use valued?* Response: Only the hay grown for sale is counted as a commodity and valued. So, hay grown for your own use is not counted as a commodity and not valued.
2. *How is the loss of a cow handled, since she will not be producing a calf in the future?* Response: She's not!! Only the cattle to be marketed in the insured year are counted and valued.

Pasture, Rangeland, Forage

1. *Can you insure AUMs on "government" ground?* Response: Yes. If several people are grazing on the same ground, documentation may have to be provided to verify the share. For example, if 4 people are grazing cattle on 1,000 acres, and 1 person wants to insure --- 100 AUMs total and the person who wants to insure has 25 AUMs, his share is 25% of the 1,000 acres insured.
2. *Can you insure the same piece of ground in one time interval as "hayland" and then in another time interval insure as "grazingland"?* Response: The initial response was no, because the policy states that you have to designate the type and time interval at the time of application (11/30). I argued that he could designate both types for different time intervals at the time of application. I have not received a final determination as yet.
3. *How is the Vegetation Index determined on non-irrigated ground when there is normally irrigated ground in the same grid?* Response: The "normal" vegetation index for that grid already takes into account the irrigated ground, so the variance from "normal" during the insured time would be relevant.

Eastern Oregon Livestock Show, June 4—9

“A Century of Tradition”

This is the 100th year of the Eastern Oregon Livestock Show. Many special activities, awards and displays are planned for the week. Also, EOLS is now on the web at www.easternoregonlivestockshow.com.



The week will kick off with the 4-H horse show on Monday and Tuesday. Then 4-H & FFA livestock shows on Wednesday, Thursday and Friday. The week will finish with the parade, Pari-Mutuel Racing, PCRA Rodeo, and the Junior Livestock Auction.

All 4-H clubs and FFA chapters are invited to bring a display of their history at EOLS and attend an alumni potluck dinner on Wednesday night.

May-June 2007

PROMPTER/RANCHER REVIEW

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