Greetings! “Happy New Year” everyone. So far at least, the winter (for those of us who live in the valley) is not as severe as last year’s. Yet as of January 11th, the NRCS is indicating the snowpack in the Clearwater Basin is at 100% of normal. So, that’s good news.

For the January through March period the National Weather Service’s Climate Prediction Center is projecting below normal temperatures and above normal precipitation for our area, with the March through May period close to normal for both precipitation and temperature. However, the prediction for the June through August period projects a summer that is hotter and dryer than normal, which if accurate, could increase our wildfire risk (see maps on page 2).

This newsletter contains notifications for most of the anticipated programs we will be providing for the first six months of the year, Continued on next column

You may be receiving this newsletter as part of our once-a-year direct mailing to all rural landowners in the Clearwater Valley. (check for green box near mailing label). Unless you have signed up to be on our regular mailing list, or attended one of our programs, this will be the only publication you receive this year. If you would like to receive all our quarterly newsletters, and our program brochures and announcements throughout the year (all free of charge!), please contact us at clearwater@uidaho.edu, or 208-476-4434 and we will put you on our regular mailing list. It’s Free!!

2018 Workshops

February
Introduction to Cattle Ownership & Management
Thursday, February 1, 2018
Orofino, ID

Small Farms & Community Food Systems
February 13, 20, 2018
Orofino, ID

March
Common Broadleaf Weeds of the Clearwater Valley & How to Control Them
March 6, 2018
Orofino, ID

Introduction to Rural Land Ownership: Strategies for Management
March 15, 2018
Orofino, ID

Introduction to Wildlife Management for Rural Landowners
March 22, 2018
Orofino, ID

April
So You Want to Buy a Ranch?: Rural Land Purchasing 101
April 12, 2018
Lewiston, ID

Continued on next column

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but additional programs could be added depending on client needs as the year gets underway. Notifications for additional programs not listed in this newsletter will be sent out to those of you on our regular mailing list (contact our office if you are not on this list and would like to be on it).

I want to highlight a few new programs we’re providing this year. These are: Introduction to Cattle Ownership and Management, Introduction to Wildlife Management for Rural Landowners, Ecologically-Based Forest Management Alternatives for North Central Idaho, and Locating and Identifying Edible Forest Mushrooms. Please see additional information on these, and other, programs in this newsletter. All program agendas and details will be sent a few weeks prior to each program to all those who have signed up to be on our regular mailing list.

Wishing everyone a safe, happy, and productive 2018!

Bill

\textbf{Precipitation}
\textbf{June, July, August 2018}

<table>
<thead>
<tr>
<th>State</th>
<th>Precipitation (inches)</th>
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<tbody>
<tr>
<td>Idaho</td>
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\textbf{Temperature}
\textbf{June, July, August 2018}

<table>
<thead>
<tr>
<th>State</th>
<th>Temperature (°F)</th>
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<tbody>
<tr>
<td>Idaho</td>
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\textbf{Inside-Out Lasagna}

**Ingredients:**
- 8 oz. whole wheat rotini pasta
- 1 Tbsp. vegetable olive oil
- 1 onion, chopped
- 3 cloves garlic, sliced
- 3/4 c. mushrooms
- 1/2 tsp. salt
- 1/4 tsp. pepper
- 14-oz can diced tomatoes with Italian herbs
- 8 c. baby spinach
- 1/2 tsp. crushed red pepper
- 3/4 c. par-skim ricotta cheese

**Directions:**
1. Bring a large pot of water to a boil. Add pasta; cook according to package directions. Drain and transfer to a large bowl.
2. Meanwhile, heat oil in a large nonstick skillet. Add onion and garlic. Add meat, stirring until brown, about 3 minutes. Add mushrooms, salt, and pepper. Stir in Italian herbs. Fetch it to 1 cup of milk.
3. Add tomatoes, spinach and red pepper; cook, stirring once halfway through, until the spinach is wilted, for 4 minutes.
4. Toss the sauce with the pasta and divide among 4 bowls. Dollop each serving with 3 tablespoons of ricotta.

Make it a meal:
Complete this meal by adding some steamed broccoli and a whole grain baguette. Add some crumbled turkey sauage for meal lovers.

Taken from Healthy Recipes, University of Minnesota Extension. www.extension.umn.edu/nutrition

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\textbf{Know someone who would enjoy a copy of our Newsletter? Let us know, we will be happy to send them a copy. Then they can decide for themselves and let us know if they would like to be on our regular mailing list. Email: clearwater@uidaho.edu or call 208-476-4434.}

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\textbf{University of Idaho Extension}
\textbf{Clearwater County Web Site}
www.uidaho.edu/extension/county/clearwater

\textbf{Workshop materials available for download include:}
- Current topics in Farm & Forest Health 2017
- Dry Land Pasture Management
- Managing your own Forest Plan

\textbf{Other Services and Publications:}
- Gardening
- Canning
- Insect, Plant and Soil Sampling

\textbf{News & Events:}
- Workshop Information & Brochures

\textbf{Workshop News}

Don’t be disappointed, \textbf{REGISTER EARLY}!

We highly recommend that if you are interested in one of our workshops that you register early. Attendance at workshops has increased in recent years and late registrations and walk-ins have been turned away.
The Weedy Side

Burning has had little effect on the root systems of leafy spurge. However, it does reduce the amount of seed available for germination. Spring or fall burns are best when trying to control seed production.

Mowing is ineffective when used alone. It does reduce seed production and dispersal and disrupts root vigor.

Chemical control for knapweed may help. Chemicals used for knapweed include imazamox, imazaquin, imazapyr, and flumioxazin. It is easiest and most effective to pull the plants when the soil is wet.

Chemical control of knapweed with herbicides can be effective in combination with other control methods. Chemical control is most effective when used in the fall and spring.

Hand-hoeing or weed pulling can be very effective, especially in the early spring when soil is moist. Installing and maintaining mulch can reduce seedling emergence and eases the removal of plants. Installing and maintaining mulch can reduce seedling emergence and eases the removal of plants.

Careful and continual hand pulling can control small infestations, but the entire plant must be removed each year before it produces seed in order to prevent reestablishment. It is easiest and most effective to pull the plant when the soil is wet.

Catchweed Bedstraw

Catchweed bedstraw is an annual weed belonging to the Madder family. Catchweed bedstraw prefers shady, moist, rich soils and often found along fencerows, and edges of woodlands.

Catchweed bedstraw has a slender taproot and sprawling stems, and can tolerate freezing temperatures while in the vegetative growth stage. This fast growing weed can flower in as little as eight weeks after germination. Seeds can remain viable in the soil for up to three years.

Long-term control of catchweed bedstraw relies on removing existing plants before they flower and produce viable seed. Hand hoeing or weed pulling can be very effective, especially in the early spring when soil is damp. Installing and maintaining mulch can reduce seedling emergence and eases the removal of plants that do become established. Mowing is not recommended and has been shown to stimulate growth increasing biomass production up to 30% more than uncultivated plants.

Organic clove oil-based herbicides such as Matratec or BurnOut will kill young plants if applied early in the season. Established plants can be controlled with multiple herbicides: Roundup, Rodeo (glyfosat), Goaltender, OHZ, Goal 2XL, Casoron.

Clearwater County, University of Idaho Extension, Extension Update

Clearwater County

University of Idaho Extension, Extension Update

Clearwater County Extension Staff

2000 Michigan Avenue, Orofino, ID 83544
clearwater@uidaho.edu (208) 476-4434

Education Programs for 2018

We have several educational programs for rural landowners planned this year. Details of these programs along with registration information, will be mailed out to those who have asked to be on our regular mailing list. However, what follows is a brief summary of some of these programs.

February

• Introduction to Cattle Ownership & Management (February 1) This program is for landowners with little or no experience in owning or managing cattle. Topics covered will include infrastructure needed to house, contain, and feed and water cattle, the economics of owning a cow, whether it is more cost effective to lease forage or own your own cow, trade-offs of having cattle in the spring and summer vs. keeping cattle year round, basic equipment such as stock trailers, dos and don’ts of buying cattle at a livestock auction, cattle breeds, and other topics.

• Small Farms and Community Food Systems (February 13-20) This series will focus on raising poultry for sale, and marketing locally grown agricultural products to restaurants, grocery stores, and institutions.

March

• Common Broadleaf Weeds of the Clearwater Valley & How to Control Them (March 6) This program is designed for the small-scale landowner or acreage landowner residing in the Clearwater Valley that has problems with some of our most common broadleaf weeds found in pastures, rangeland, timber, by corrals and outbuildings, and around the rural home.

• Introduction to Rural Land Ownership: Strategies for Management (March 15) This is a workshop for new beginning rural land owners that will present ideas on how to set goals, plan, and think strategically regarding the long term management of their property.

• Introduction to Wildlife Management for Rural Landowners (March 22) This program will introduce landowners to the basic principles of wildlife management and biodiversity conservation, as well cover habitat requirement and preferences of some of our most popular local wildlife species. The program will also cover strategies to improve habitat for preferred wildlife species on your property.

April

• So You Want to Buy a Ranch?: Rural Land Purchasing 101 (April 12) This workshop is held in Lewiston and covers the basic questions to ask yourself, and items to investigate, before purchasing rural property in order to make a good investment decision.

• Evaluating Your Land’s (and Your) Suitability for Viticulture (April 14) The recently established Lewis-Clark Valley AVA (American Viticulture Area) provides exciting new opportunities for marketing wines produced from grapes grown within the AVA. If you have thought about getting into this emerging local industry, this workshop will help you determine if your property is suitable for successful wine-grape production. In addition, by touring the Colter’s Creek vineyard and getting a brief overview of the work and monetary investment involved in viticulture, you will get a better idea if this is a business you want to pursue, even if your property is a suitable location. (This program was held in 2017 with rave reviews from attendees. We had to turn away 20 people for lack of room - so register early!)

• Ecologically-Based Forest Management Alternatives for North Central Idaho (April 17 & 19) This two-night workshop is designed to review current research on interior-west forest disturbance patterns and vegetation. For many ecosystems, heterogeneity of vegetation patterns in both space and time has been shown to increase biodiversity and species richness. “Mosaics” of vegetation conditions and successional stages have also been shown to reduce wildlife spread and have benefits for wildlife. The program will suggest approaches landowners can use to apply these principles on their own forestlands.

• Learning & Identifying Edible Forest Mushrooms (April 24) This program is designed to provide what is known about preferred habitats of local edible mushroom species. Material will also be provided to assist in identifying the various species of edible mushrooms in our area.

June

• Forest Insect & Disease Field Tour (June 15) Attendees will learn directly from forest entomologists and pathogens on how to identify and address forest insect and disease threats to timber and stand productivity.

Other Programs

We are also looking at additional programs that have not yet been scheduled. Please look for these additional programs in future newsletters. If you have not signed up to be on our regular mailing list, you must do so to receive our news and other newsletters and program brochures – (It’s Free!!)

By Calling: 208-476-4434

Programs on reducing wildfire risk could also be scheduled depending on client interest and the wildfire season forecasts available in May and June.

Please note: Date Changes

If you receive the Forest Stewardship Calendar some dates have changed since it was mailed out. Dates in this newsletter are the correct dates.
University of Idaho Extension Clearwater County

Small Farms & Community Food Systems
February 13, 2018
Raising Poultry for Sale, Marketing Locally Grown Agriculture Products to Restaurants, Grocery Stores, and Institutions
UI Extension Office, Orofino, ID
6:00 pm—8:30 pm
Contact UI Extension—Clearwater County to Register or for more information (208) 476—4434

Locating & Identifying Edible Forest Mushrooms
April 24, 2018
UI Extension Office, Orofino, ID
6:00 pm—8:30 pm
Contact UI Extension—Clearwater County to Register or for more information (208) 476—4434

Introduction to Rural Land Ownership: Strategies for Management
March 15, 2018
UI Extension Office, Orofino, ID
6:00 pm—8:30 pm
Contact UI Extension—Clearwater County to Register or for more information (208) 476—4434

University of Idaho Extension Clearwater County

A Sampling of Current Log Prices from Local Mills—December 2017
Per thousand board feet (mbf)

| Species          | Price
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<tbody>
<tr>
<td>Douglas Fir</td>
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<tr>
<td>Grand Fir</td>
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<tr>
<td>Ponderosa Pine</td>
<td>$100</td>
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<tr>
<td>Cedar</td>
<td>$750-900</td>
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<tr>
<td>Blue Pine</td>
<td>$80</td>
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University of Idaho Extension Clearwater County

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April 24, 2018
UI Extension Office, Orofino, ID
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Introduction to Wildlife Management for Rural Landowners
March 22, 2018
UI Extension Office, Orofino, ID
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Introduction to Cattle Ownership & Management
February 1, 2018
UI Extension Office, Orofino, ID
9:00 am—11:30 am
Contact UI Extension—Clearwater County to Register or for more information (208) 476—4434

Ecologically-Based Forest Management Alternatives for North Central Idaho
April 17 & 19, 2018
UI Extension Office, Orofino, ID
6:00 pm—8:30 pm
Contact UI Extension—Clearwater County to Register or for more information (208) 476—4434

Contact Us!
University of Idaho Extension Clearwater County
2200 Michigan Avenue
Orofino, ID 83544
Phone: (208) 476-4434
Fax: (208) 476-4111
www.uidaho.edu/extension/county/clearwater
clearwater@uidaho.edu

Know Anyone Who Wants to Purchase Rural Property?
If you received this newsletter in the mail you are likely already a landowner, but you may know someone who isn’t, but would like to be.
We offer a program held in Lewiston each spring that provides information on the often complex nature of rural property to help prospective landowners from making unwise purchase decisions.
The program is called So You Want to Buy a Ranch?: Rural Land Purchasing 101, includes deciding on location to making the offer; Due diligence prior to closing—avoiding common pitfalls; technical assistance and cost-share programs for new rural landowners.
Please have anyone interested contact the UI Extension office in Orofino to obtain additional program information and register: 208-476-4434 or clearwater@uidaho.edu..

2018 Pre-Licensing Training for Pesticide Applicators
March 6 — 9, 2018
Lewiston Roundup Grounds—Ketch Pen
Register on-line & pay with credit card: https://www.uidaho.edu/extension/ipm
Or contact Nez Perce County Extension office 208-799-3096
Registration forms can be picked up at Clearwater County Extension office

Bill Warren, Extension Educator
Land-Based Economic Development & Land Stewardship
williamw@uidaho.edu
Erin Rodgers
4-H Program Manager
erodgers@uidaho.edu
Meladi Page
Extension Administrative Assistant
mpage@uidaho.edu