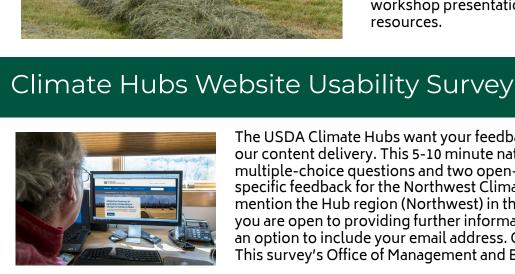
Featured Article

Northwest Climate Hub



The USDA Climate Hubs want your feedback on our website to help improve our content delivery. This 5-10 minute national-level survey includes five

multiple-choice questions and two open-ended questions. If you have specific feedback for the Northwest Climate Hub (and we hope you do!), mention the Hub region (Northwest) in the open-ended response section. If you are open to providing further information about your responses, there is an option to include your email address. Otherwise, the survey is anonymous. This survey's Office of Management and Budget control number is 0503-0024.

Condition

Observer

Last Week

3 Months Ago

Reports

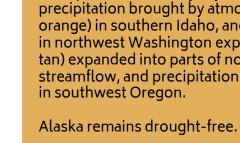
Monitoring

2022 Workshop Summary: Sharing Knowledge on

In November 2022, workshops on drought and agriculture in Alaska occurred in Delta Junction and Palmer. Both workshops focused on precipitation and temperature as it relates to agriculture, drought indicators, monitoring, and scenarios, and peer-to-peer learning for producers and home gardeners. This Northwest Climate Hub webpage provides a synopsis of the workshops as well as links to workshop presentations and videos, and other drought

Farming, Water, and Drought in Alaska

Drought Update



snowpack. Abnormally dry (D0- yellow) conditions in eastern Washington continue to improve due to precipitation brought by atmospheric rivers, which also reduced portions of severe drought (D2 orange) in southern Idaho, and extreme drought (D3 - red) in southern Oregon. Recent dry conditions in northwest Washington expanded abnormally dry conditions (D0 - yellow). Moderate drought (D1 tan) expanded into parts of northern Idaho due to worsening conditions in soil (D1 - tan) moisture, streamflow, and precipitation deficits (up to five inches). In mid-February, moderate drought expanded

National









Intensity:

Author: Brian Fuchs



None

76.98 23.02

77.20 22.80

71.35 28.65

75.01 24.99

70.29 29.71

February 14, 2023 (Released Thursday, Feb. 16, 2023)

Valid 7 a.m. EST

D0-D4 D1-D4

15.42

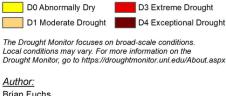
15.42 5.75

19.18

15.00 7.57

18.36 7.80

Drought Conditions (Percent Area)



Snow

Drought

1.70 0.16

3.16

3.06 0.16

3.90 0.16

5.87

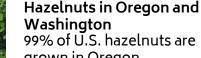
D2 Severe Drought

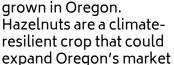
0.16

Information









and bioenergy.

for food, livestock feed,



droughtmonitor.unl.edu

<u>Information</u>



emissions. These projects will divert food waste from landfills. Among the projects funded is a composting project designed and supported by the Tlingit and Haida Indian Tribes of Juneau, Alaska. Strengthening Tribal Consultations and Nationto-Nation Relationships This new USDA Forest Service action plan provides agency guidance and assistance to fulfill the

Overview of Weather

(OWWLS) is a static map

water monitoring stations

used by the U.S. Drought

Monitor to assess current

drought conditions.

A Future of More

Wildfires in Alaska

Intensifying drought,

massive lightning storms,

symptoms of a changing

wildfire environment in

Alaska. This article from

what future Alaskan

in store.

Western Forester explains

wildfire seasons may have

USDA Invests \$9.4 Million

Waste Reduction Projects

Food waste contributes to

climate change through

increasing carbon

in Compost and Food

and rising temperatures are

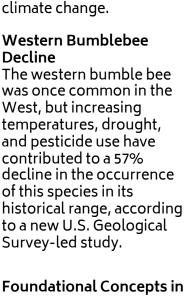
that shows weather and

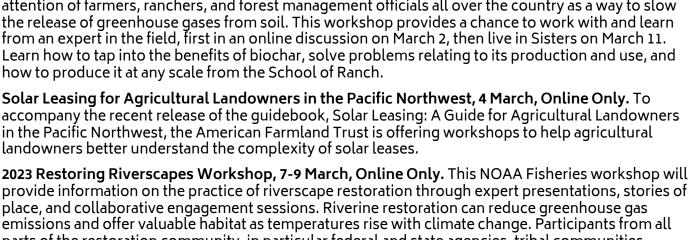
Water Land Sites





from an expert in the field, first in an online discussion on March 2, then live in Sisters on March 11.





Cross Boundary Landscape Restoration Workshop: Adapting to a Climate-Altered West, 2-4 May, Fort Collins, CO. This workshop unites land and fire managers, researchers and stakeholders to develop strategies that apply evidence-based collaborative management of forest landscapes in the Intermountain West. Topics and sessions include: crossing boundaries to realize cumulative impacts for effective landscape outcomes, understanding compounding disturbances, climate adaptation responses and needs, and incorporation of rapid adaptive management in changing ecological and

Interagency Conference on Research in the Watersheds, 5-8 June, Corvallis, OR. The Interagency

stakeholders, and managers to share scientific advances and management strategies to sustain the

associated impacts, and to incorporate societal needs and scientific uncertainties in the sustainable

2023 Native Youth Climate Adaptation Leadership Congress, 25 June-1 July, Shepherdstown, West

challenges by providing training in leadership principles and conservation skills. Application is open to high schoolers from federally-recognized Tribes in their junior year (11th year). Students must be in a cohort of 3-5 individuals from their Tribe, and they will need a community mentor to accompany

Conference on Research in the Watersheds (ICRW) brings together watershed scientists,

country's water resources. The goals are to better understand the factors driving change and

Virginia. This experience invites Native communities to work together to address conservation

Pacific Northwest Drought Early

Drought & Climate Outlook, 27

webinars are designed to provide

timely, regional information on current drought status and

impacts, preview of current and

developing climatic events and

hear from two specialty topic

speakers.

Warning System February

February, 11 am PST. These



how to produce it at any scale from the School of Ranch.







restoration, are encouraged to join. Northwest Scientific Association Annual Meeting. 21-24 March, Bellingham, WA. This joint meeting of The Northwest Scientific Association, the American Association for the Advancement of Science, and the Northwest Lichenologists will cover the breadth of science, including environmental science, biology, engineering, anthropology, geology, ecology, social sciences, art in science, resource management, GIS, atmospheric science, lichenology, chemistry, health sciences, physics, and science communication.

States will also be discussed.

management of water resources.

them. **Applications due 28 February.**







ScienceX Fire Week, 27 February - 3 March, 11 am PST. Fire is the theme for this webinar series that brings together scientists and land management experts from across the U.S. Forest Service and beyond to explore the latest science. Registration is required. **27 February** - Fire History and Ecology 1 March - Fire Behavior **3 March -** Looking Toward the Future Restoring Oregon's Dry Side Forests, 1 and 15 March, 5 April, 6 pm PST. This series will explore the complexities and realities of "restoring" forests and other ecosystems to historical conditions. This series is not about telling the listener what is best, but rather collectively thinking about how resiliency in the landscapes we collectively steward can be promoted. 1 March - Post-Fire Restoration on Private Lands 15 March - Fires on Agricultural and Rangelands **5 April** - Resources for Private Forest Land Risk Reduction and Post Fire Restoration

Short-interval High-severity

Reburns Change the Playing

March, 9:30-11 am PST. Reburns

Field for Forest Recovery, 8

include reforestation, assessing wildfire risk, and diversity and inclusion in outdoor recreation.



Managing Oregon Forests in a

presentation led by Oregon State

Glenn Ahrens will review options

guidance for forest management,

University Extension Forester

Changing Climate, 9 March,

6:30-8 pm PST. This online

for managing forests in a

guide development of

land managers.

changing climate, discuss

educational and technical

and gather input on needs to

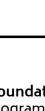
assistance for landowners and

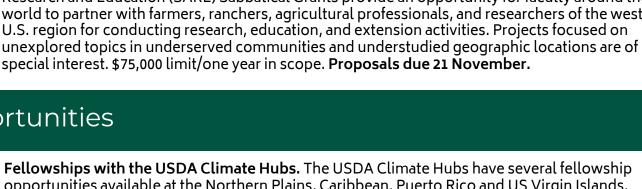
Space Administration (NASA). The NASA Earth Science Division is calling for Resources Conservation Service (NRCS) aims to support the development of urban agriculture and innovative production, particularly for planning and implementation projects. Planning projects

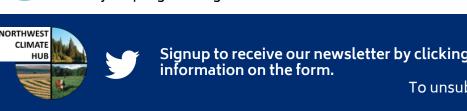


also apply for new energy-efficient equipment and new system loans for agricultural production and processing.

received a major disaster declaration during the five-year period ending on 1 January 2021. Applications due 28 April. May Planning Proposals to Catalyze Innovative and Inclusive Wildland Fire Science







Fellowships with the USDA Climate Hubs. The USDA Climate Hubs have several fellowship opportunities available at the Northern Plains, Caribbean, Puerto Rico and US Virgin Islands, Northeast, and Southern Plains Climate Hubs. Positions encompass several focus areas. Application due dates are dependent on position. Research Fellowship Program, Northwest Climate Adaptation Science Center. The Northwest Climate Adaptation Science Center (NW CASC) is accepting proposals for the 2023-24 Research Fellowship Program that support research related to climate adaptation for Northwest natural and

> Signup to receive our newsletter by clicking on this box and providing your contact To unsubscribe email holly.prendeville@usda.gov

Funding February **April Environmental Justice Government-to-**The Northwest Climate Resilience Collaborative Community Grants Program. **Government Program.** The Environmental The Resilience Collaborative seeks to fund Justice Government-to-Government justice-focused, environmental and climate (EJG2G) program provides Environmental projects that advance community-centered Protection Agency (EPA) funding at the resilience priorities. The Collaborative is state, local, territorial, and Tribal level to

particularly interested in supporting

frontline communities and Tribes or

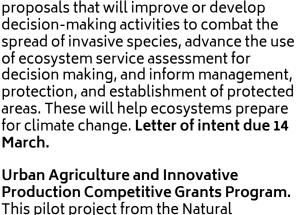
nonprofits and community organizations

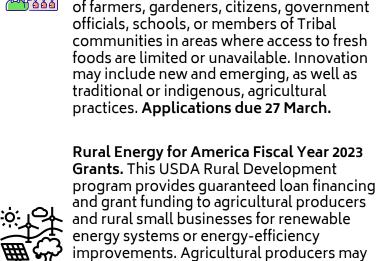
Idaho or Oregon. Letter of interest due 28

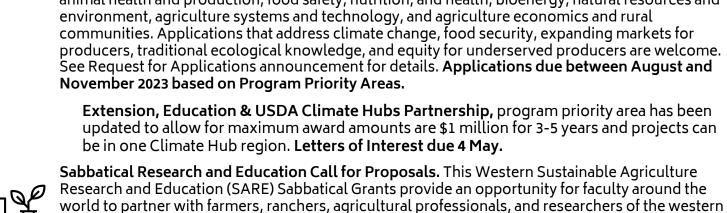
Earth Science Applications: Ecological

Conservation, National Aeronautics and

that serve frontline communities and Tribes. Awardees must be based in Washington,







Opportunities

cultural resource management and provide training in developing decision-relevant science. This one-year program begins in the fall term and continues through July. **Applications due 13 March.**

Over the past few weeks, a series of atmospheric rivers brought significant amounts of rain and snow to parts of the Northwest, leading to improvements in soil moisture, streamflow, reservoirs levels, and

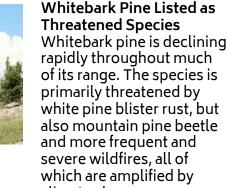
CoCoRHaS

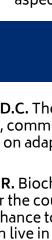
Community

resources.

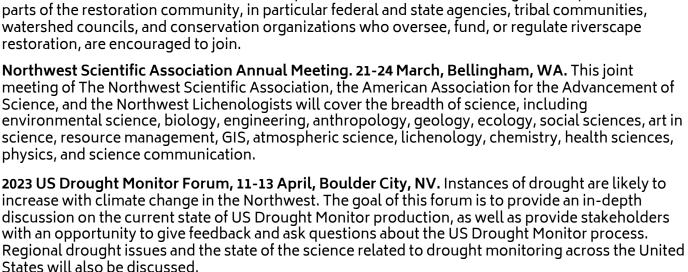
Integrated Drought Rain Hail Snow **Information System** Network U.S. Drought Monitor **USDA Northwest Climate Hub**

National Drought Mitigation Center **USDA**









February 2023 Alaska Climate

Outlook Briefing, 27 February,

for Climate Assessment and

Policy (ACCAP) webinar will review recent and current climate

12 pm AKST. This Alaska Center

conditions around Alaska, review

some forecast tools, and review

the Climate Prediction Center's

forecast for March and early

Tribal Health and Adaptation

Webinars, 16 March, and every

3rd Tuesday until October 2023,

10 am PST. This training is open

Peer-Learning Roundtable

to Tribes and Tribal-serving

professionals throughout the

United States who work at the

health, and community well-

focus on managing ongoing

departments and other

to climate change.

hour webinars will further advance the knowledge, skills, and networks of Tribes adapting

support government activities that lead to

measurable environmental or public health

impacts in communities disproportionately burdened by environmental harms. EJG2G

resources to develop processes or tools that

considerations into governmental decisionmaking at all levels. **Applications due 10**

Safeguarding Tomorrow Revolving Loan

Management Agency (FEMA) is launching a

disasters. The program provides funding to

states and federally recognized Tribes that

Fund Program. The Federal Emergency

new revolving loan fund to allow local

jurisdictions to reduce vulnerability to

hazards, foster greater community

resilience, and reduce suffering after

through Diverse Collaborations. The

National Science Foundation is calling for

planning proposals for advancing inclusive

wildland fire science via diverse knowledge

education across multiple levels, in informal

settings and/or formal settings spanning

pre-college through postsecondary levels,

are also encouraged. Budget requests may

systems. Proposals that aim to develop a deeper understanding of wildland fire as

integrated social-cultural-ecological-

technological systems and improve

not exceed \$100,000 per year, with a duration of up to two years. Applications

due 31 May.

programs should leverage existing

integrate environmental justice

being. The March webinar will

planning, decision-making, and

stakeholders. These monthly 2-

progress tracking amongst Tribal

intersections of climate change,

spring 2023.

28 February - Fire Weather and Smoke

2 March - Fire Modeling Risks and Tradeoffs



(sequential overlapping fires occurring in an unusually short timeframe) are expected to become more common with increases in fire-conducive weather. In this Northern Rockies Fire Science Network webinar, join researchers Kristin Braziunas and Tyler Hoecker as they discuss recent studies looking at post-fire recovery after shortinterval reburns in subalpine forests of the Northern Rockies.

February.

March

will initiate, develop, or support the efforts

