



RANGE MANAGEMENT



WHAT'S IT ALL ABOUT?

Wyoming has a vast array of rangeland to explore. This project allows you to study rangeland plant types and how/where they grow. You can learn more about the habitat and nutritional resources rangelands provide for livestock and wildlife. Identify, collect and develop a management plan to benefit the needs to the rangeland.

HERE'S WHAT YOU CAN LEARN...

STARTING OUT

- ✿ Understand what rangeland is including concepts of topography, ecosystems, forbs, grasses, shrubs and wetlands
- ✿ Use observation and interpretation skills to identify the water cycle in rangeland
- ✿ Identify grazers and browsers that may utilize the rangeland
- ✿ Understand how grazing animals can digest grasses
- ✿ Explain what preference and palatability mean related to rangeland

LEARNING MORE

- ✿ Gain better understanding of the parts of an ecosystem
- ✿ Identify microclimates and know what causes them
- ✿ Explain how microclimates and an animal's ecological niche are connected
- ✿ Learn the steps of primary succession from bare rock to grassland formation
- ✿ Know what causes secondary succession

GOING FURTHER

- ✿ Understand sustainable ways to manage rangeland
- ✿ Identify local land issues and investigate possible solutions
- ✿ Learn historical rangeland events
- ✿ Learn about local land use and the history of local lands
- ✿ Learn more about the agencies that work with landowners on range management issues

RESOURCES

- ✿ *At Home on the Range 5311* (<http://store.msuextension.org/>)

TAKE IT FURTHER!

- ✿ Contact the University of Wyoming Department of Ecosystem Science and Management to tour or help with local range plots
- ✿ Take a range tour to identify plants that live there
- ✿ Build a plant press and collect range plants and grasses to press
- ✿ Seed your own native grass nursery or complete your own grass trials
- ✿ Create and implement a range improvement plan
- ✿ Evaluate strategic locations for placing salt that will enhance grazing management
- ✿ Understand different monitoring systems and use in a grazing plan
- ✿ Learn about differed grazing systems
- ✿ Learn animal stocking rates
- ✿ Learn about wildlife and livestock interaction on the range
- ✿ Participate in WYRed, Montana Range Camp or the Northwest Area Range Camp
- ✿ Participate in a grazing school
- ✿ Explore the difference between warm and cool season grasses
- ✿ Learn the difference between native grass and introduced grass

ENHANCE YOUR COMMUNICATION SKILLS

Do a demonstration on ways to sustainably manage land

Research internship opportunities in the Natural Resources field.

Develop a video about water on the rangeland

GET INVOLVED IN CITIZENSHIP AND SERVICE

Participate in a highway cleanup effort

Volunteer with a land management agency to gain a better understanding of their role in range management

Participate in a Conservation District work day

LEARN ABOUT LEADERSHIP

Host a range tour for your club or community

Contact your local University of Wyoming Extension Range Educators or the Bureau of Land Management Office and ask them to give a talk at your club meeting

Teach others how to identify range plants

EXHIBIT IDEAS

- ✿ Pictures of rangeland during different times of the year
- ✿ Plant press
- ✿ Poster on rangeland careers
- ✿ Display of a ruminant digestive system
- ✿ Explain how forages are broken down
- ✿ Poster on range animals
- ✿ Grass and rangeland plant identification display
- ✿ Poster on grass palatability
- ✿ Display of a microclimate
- ✿ Make a rangeland monitoring notebook
- ✿ Display about common range disturbances
- ✿ Display of range plants that will and will not grow in Wyoming
- ✿ Display of clipped and weighed grasses
- ✿ Poster on differences in stocking rates of various classes of livestock
- ✿ Parts of range plants
- ✿ Display on what domestic grazing animals and wildlife species eat
- ✿ Results of a clipping study

Issued in furtherance of extension work, acts of May 8 and June 30, 1914, in cooperation with the U.S. Department of Agriculture. Glen Whipple, director, University of Wyoming Extension, University of Wyoming, Laramie, Wyoming 82071. The University is committed to equal opportunity for all persons in all facets of the University's operations. All qualified applicants for employment and educational programs, benefits, and services will be considered without regard to race, color, religion, sex, national origin, disability or protected veteran status or any other characteristic

