SUSTAINABLE SAGEBRUSH COUNTRY: SUPPORTING WILDLIFE AND RANCHING

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Contemporary grazing and avian habitat
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Light

Moderate

Heavy

Severe
Filling Knowledge Gaps
Multi-Species Effects of Juniper Removal
Threat Based Land Management

Up Next: Mesic Models
QUESTIONS?

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@SageHabitatTeam

Oregon State University
EOARC/OSU Rangeland Science and Outreach Program

Dustin Johnson
OSU Rangeland Outreach Coordinator
Eastern Oregon Agricultural Research Center - Burns
Major Roles as OSU Rangeland Outreach Coordinator

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Strategy: Expand outreach through synthesis, educational content, and curriculum development.

- EOARC and Other Science
- Collaborative Partnerships
- Syntheses/Manager’s Guides
- Field Guides
- Videos, PACE Courses, Field Schools, etc.
Threat-Based Land Management
Threat-Based Land Management Professional and Continuing Education

- Mapping –

Google Earth/GIS and Land Management Planning Hybrid and PACE Courses
Bohnert - Research

Eastern Oregon Agricultural Research Center
OSU - Agricultural Experiment Station & USDA Agricultural Research Service, Cooperating
Interspace/Undercanopy Foraging Patterns of Horses in Sagebrush Habitats: Implications for Sage-Grouse

• Case study approach to determine the impacts of season-long horse grazing on:
  • Sage-grouse nesting habitat structure and composition
  • Sage-grouse nesting behavior within active nesting habitat located near a water source

• Duration
  – 4 years
  – Beginning year 3

• Horse Grazing
  – Will begin 2020
  – 1 horse/100 acres; 1400 acres
  – April through November
  – GPS Collars

• Sage Grouse
  – Collar birds at lek
  – Nesting locations
Interspace/Undercanopy Foraging Patterns of Horses in Sagebrush Habitats: Implications for Sage-Grouse
Interspace/Undercanopy Foraging Patterns of Horses in Sagebrush Habitats: Implications for Sage-Grouse
Starkey Experimental Forest

Meadow Creek, a tributary to Grande River in Colusa Basin. 7.5 mile reach with USDA Forest Service Study. Experimental Forest area.
Bohnert - Outreach

- **Management Tools**
  - CowCulator
  - Across Breed EPD Calculator
  - Ration Evaluation/Consultation

- **Educational events**
  - AI School
  - Range Field Day
  - Experiential Learning Tours/Visits – College, K-12

- **Oregon Cattlemen’s Magazine**
- **Weekly Beef Producer Email**

- **Administrator for OSU Beef Cattle Sciences Website**
- **Administrator for Email Groups**
  - Livestock Marketing Information Center
  - Forage and Livestock Faculty Workgroup
  - COIN (CA, OR, ID, and NV extension agents and industry professionals workgroup)