

2007 University of Wyoming Combined Research and Extension Plan of Work (SMRR) Natural Resource Education for Agricultural Producer and Agency Personnel

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

- 112 20% Watershed Protection and Management
- 121 65% Management of Range Resources
- 132 5% Weather and Climate
- 135 5% Aquatic and Terrestrial Wildlife
- 136 5% Conservation of Biological Diversity

V(C). Planned Program (Situation and Scope)

1. Situation and priorities

Rangelands comprise over 80 percent of Wyoming's land base. Range livestock production, recreation, and wildlife habitat are some of the dominant uses of rangelands. Rangelands also provide water for homes and municipalities, irrigation, industries, fisheries, wildlife and livestock. In semi-arid Wyoming, rangeland uses need to be compatible with maintaining the quality and quantity of water resources. Livestock grazing and wildlife habitat management must also be compatible as both are important for the sustainability of the State's rangeland resources and its economy.

V(D). Planned Program (Assumptions and Goals)

1. Assumptions made for the Program

•Rangeland management practices have ecological consequences. •Improved knowledge and skills will result in improved practices. •Proven rangeland management practices will result in sustainability of the rangeland resources, agricultural operations and help rural communities.

2. Ultimate goal(s) of this Program

Expected long-term outcomes from this program include: •Improved rangeland health, productivity, and profitability. •More profit for range-based agricultural enterprises. •Improve values of rangelands for multiple uses. •Sustain economic base of communities relying on rangeland industries. •Promote rural social and cultural stability.

V(F). Planned Program (Activity)

1. Activity for the Program

Workshops on sustainable rangeland and animal management principles will be offered within each extension area within the state. Provide professional development opportunities for rangeland professionals. Develop written educational materials on rangeland and animal management practices and principles (fact sheets, bulletins, media, presentations, Web). Conduct technical consultation on rangeland and animal management, and monitoring of rangelands. Develop media on rangeland management principles (radio, TV, press). Conduct research and demonstrations on sustainable natural resource management principles. Work with individual rangeland managers on developing, implementing, and evaluating sustainable management practices.