Using Livestock to Improve Public Lands

Montana Association of State Grazing Districts

Southeast Association of Grazing Districts
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Clayton B. Marlow, Animal and Range Sciences Department

Montana State University - Bozeman

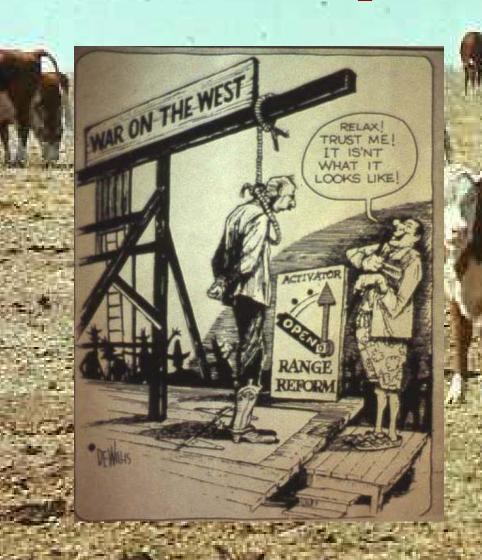




Tremendous opportunities outside the



Socio-political Barriers



- Constant tension between grazers and recreational public
- World organizations already reporting that livestock are limiting water resources
- Higher personal and ranch costs





Global Climate Change





- Regional changes in precipitation pattern
 - Rain rather than snow
 - Faster runoff
- Shifts in vegetation type and dominance
 - Most woody species better adapted

Landscape processes will change



- Vegetation changes coupled with shifts in precipitation
 - Less stream flow during fall and winter
 - More catastrophic wildfires
 - Drier late summer and falls + annual grasses = higher fire incidence

Cattle grazing compliments efforts







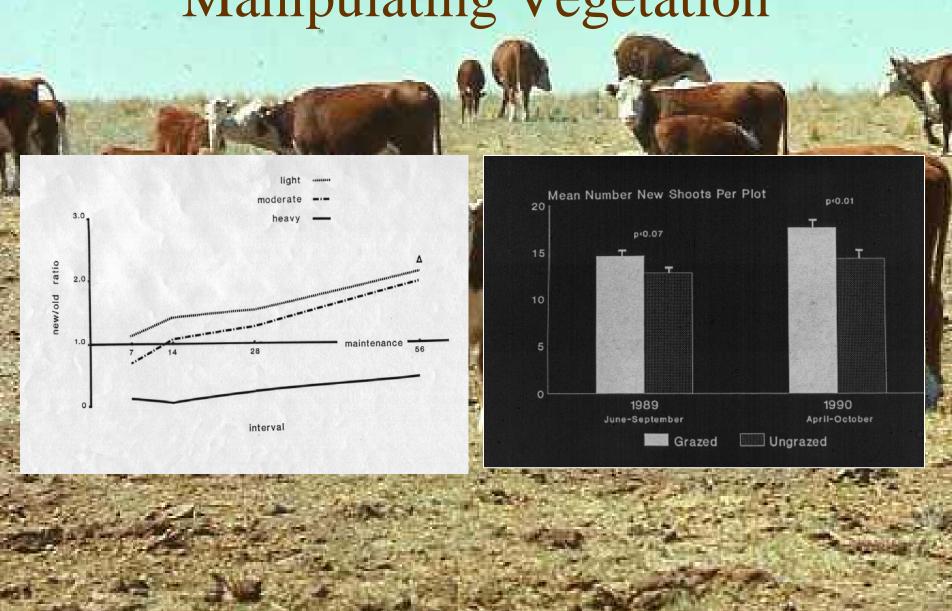
Lease cattle to remove grass cover



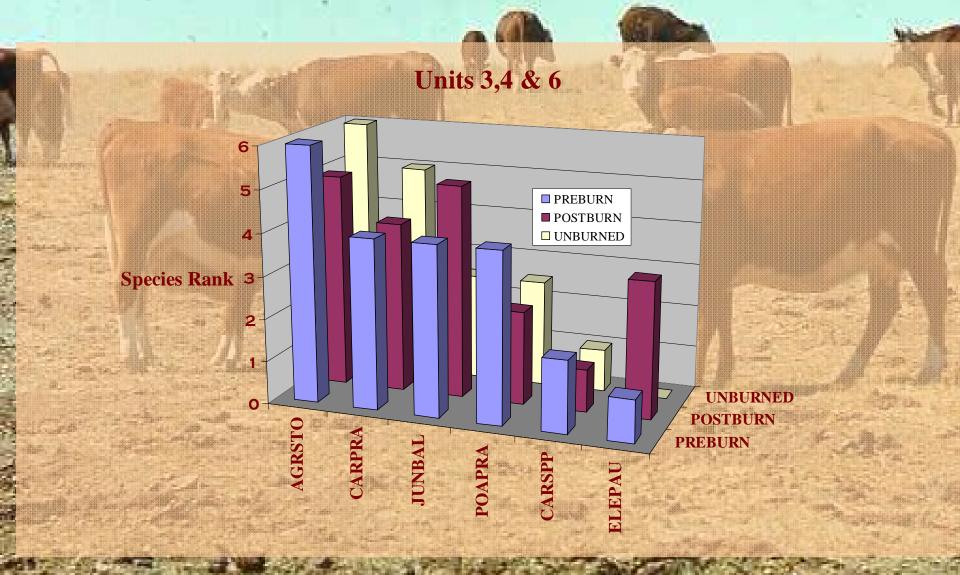
If grazing destroys it can also revitalize

- Conventional grazing management designed to achieve a balance between needs of cattle and plant community
 - Utilization levels dictate length of rest
 - Season of use to promote completion of life cycle
- Using cattle to change structure of vegetation community
 - Light use punctuated by infrequent heavy use
 - Target species grazed during most vulnerable period

Manipulating Vegetation



Prescribed Fire + Grazing



Threatened Prairie Bird Recovery



Early use to promote shrub recovery



Questions or Comments?

