

Current Literature of Range Management

This section has the objective of alerting SRM members and other readers of *Rangelands* on the availability of new, useful literature being published on applied range management. Your recommendations on making this bibliography more useful are requested. Also, the compiler requests readers to suggest literature items—and preferably also contribute individual copies—for including in this section in subsequent issues.

Alfalfa Grazing: The Other Alternative; by Doug Hayes and Erle E. Bartley; 1980; Kan. Agric. Ext. Ag. Facts AF-55; 4 p. (Coop. Ext. Serv., Kansas State Univ., Manhattan, Kans. 66506) Suggests management techniques for grazing alfalfa with emphasis on preventing bloat.

Breed and Heterosis Effects of American Zebu Cattle; by D.E. Franke; 1980; J. Anim. Sci. 50(6):1206-1214. (Anim. Sci. Dept., La. State Univ., Baton Rouge, La 70803) A review of research on utilizing the Brahman in straightbred and crossbred breeding programs.

Control of Creosotebush (*Larrea tridentata*) with Pelleted Tebuthiuron; by Pete W. Jacoby, Darrell N. Ueckert, and F. Steve Hartmann; 1982; Weed Sci. 30(2):307-310. (Tex. Agric. Expt. Sta., P.O. Box 1658, Vernon, Tex. 76384) A study of creosotebush control and associated forage response from aerial application of tebuthiuron pellets.

Control of Insect and Related Pests of Sheep; by Robert E. Pfadt, John E. Lloyd, and Everett W. Spackman; 1981 (Rev.); Wyo. Agric. Expt. Sta. Bul. 514R; 15 p. (Wyo. Agric. Expt. Sta., Univ. Wyo., Laramie, Wyo. 82071) Reviews the prevalence, life history, and control recommendations for the principal insects affecting sheep in Wyoming.

Coping with Herbivory: Photosynthetic Capacity and Resource Allocation in Two Semiarid Agropyron Bunchgrasses; by M.M. Caldwell, J.H. Richards, D.A. Johnson, R.S. Nowak, and R.S. Dzurec; 1981; Oecologia 50(1):14-24. (Dept. Range Sci., UMC 52, Utah State Univ., Logan, Utah 84322) A study of physiological characteristics that contribute to grazing tolerance in two contrasting wheatgrass species—*Agropyron desertorum* and *A. spicatum*—with emphasis on photosynthetic capacity, growth, resource allocation, and tiller dynamics.

Cross Fences for Pastures Under Center Pivot Irrigation; by James T. Nichols; 1981; Neb. Agric. Ext. NebGuide G81-581; 4 p. (Coop. Ext. Serv., Univ. Neb., Lincoln, Neb. 68503) Perimeter and cross fencing, tower gates, and livestock watering suggestions for center-pivot irrigated pasture systems.

Digestion and Utilization of Nutrients in Oak Browse by Goats; by A.S. Nastis and J.C. Malechek; 1981; J. Anim. Sci. 53(2):283-290. (Dept. Range Sci., UMC 52, Utah State Univ., Logan, Utah 84322) A study of immature and mature Gambel oak browse under different levels of intake as a source of nutrients for goats.

Effects of Early Weaning on Calf Performance and on Reproduction in Mature Cows; by K.S. Lusby and Angel A. Parra; 1981; Okla. Agr. Expt. Sta. Misc. Pub. 108, p. 64-68. (Agric. Expt. Sta., Okla. State Univ., Stillwater, Okla. 74074) A study of possible advantages and adaptations of early weaning for improving reproduction in beef cows.

Effects of Reductions in Federal Grazing Permits on Sheep Ranch Value and Borrowing Capacity; by C. Kerry Gee and Danny L. Briskey; 1982; Colo. Agr. Expt. Sta. Bul. 583S; 8 p. (Agric. Expt. Sta., Colo. State Univ., Fort Collins, Colo. 80521) This study provides information on market value of federal land grazing permits and the

economic consequences grazing permit reductions have on sheep ranch values and on borrowing and loan repayment capability.

Forages in Northern Agriculture: Past, Present, Future; by Arthur W. Bailey; 1981; Univ. Alta. Agric. & For. Bul. 4(1):27-34. (Coll. of Agric., Univ. of Alta., Edmonton, Alta. T6G 2E3) Present and potential forage production in northwestern Canada in relation to management alternatives and cost-benefit considerations.

Grazing Management of Irrigated Grass Pastures; by James T. Nichols; 1981; Neb. Agric. Ext. NebGuide G81-583; 4 p. (Coop. Ext. Serv., Univ. Neb., Lincoln, Neb. 68503) Recommended management practices, grazing systems and seasons, and stocking rates for irrigated, perennial grass pastures.

Growing Cattle on Grass; by Ed F. Smith; 1981; Kan. Agric. Expt. Sta. Bul. 638; 16 p. (Agric. Expt. Sta., Kansas State Univ., Manhattan, Kan. 66506) A review of the nutritional and grazing management aspects of growing beef cattle on grass in the central United States.

History and Development of Zebu Cattle in the United States; by James O. Sanders; 1980; J. Anim. Sci. 50(6):1188-1200. (Dept. Anim. Sci., Texas A&M Univ., College Station, Tex. 77843) The origin and differentiation of different breeds and breed groups of Zebu cattle, with emphasis on past and projected importations into the United States.

Hydrologic Outputs from Woodland, Shrubland, and Grassland Ecosystems in Relation to Grazing Management Strategies: An Annotated Bibliography; by Ronald E. Gaither and John C. Buckhouse; 1981; Ore. Agric. Expt. Sta. Spec. Rep. 640; 26 p. (Agric. Expt. Sta., Ore. State Univ., Corvallis, Ore. 97331) A selected, annotated bibliography on grazing and related treatments on water quality and yields; 87 total references.

Management, Productivity, and Economic Profiles of Two Sizes of Utah Cattle Ranches; by Terri L. Capps and John P. Workman; 1982; Utah Agric. Expt. Sta. Res. Rep. 69; 20 p. (Agric. Expt. Sta., Utah State Univ., Logan, Utah 84322) Provides information concerning typical management, investment, and costs and returns of two sizes of composite Utah ranches; data tabulated and in a format to provide a model for analysis of specific ranching operations.

The Next-Best Pasture Deferred-Rotation Grazing System; by Ervin M. Schmutz and Marvin Dean Durfee; 1980; Ariz. Agric. Ext. Q432; 4 p. (Coop. Ext. Serv., Univ. Ariz., Tucson, Ariz. 85721) An explanation and evaluation of a grazing system developed for yearlong ranges of the Southwest, with emphasis given to flexibility under erratic precipitation.

Plant Materials for Use on Surface-Mined Lands in Arid and Semi-arid Regions; by Ashley A. Thornburg; 1982; USDA, SCS-TP-157; 88 p. (Supt. of Doc., U.S. Govt. Printing Office, Washington, D.C. 20402) Describes the characteristics, areas of adaptation, and performance of plant materials (grasses, forbs, and woody plants); includes recommendations for species selection, use, establishment, availability, and management techniques.

Production and Competition of Crested Wheatgrass-Native Grass Mixtures; by G.E. Schuman, F. Rauzi, and D.T. Booth; 1982; Agron. J. 74(1):23-26. (USDA, ARS, High Plains Grasslands Res. Sta., Cheyenne, Wyo. 82001) Competitive ability of native grass species when seeded in mixture with crested wheatgrass on reclaimed mined lands.

Rain-on-the-Hay Miserics; by Paul V. Fannesbeck, Mercedes M. Garcia, John M. Kaykay, and Mohammed Y. Saiady; 1982; Utah Sci. 43(1):30-35. (Agric. Expt. Sta., Utah State Univ., Logan, Utah 84322) Guidelines for calculating yield and nutrient losses from rain damage and for processing, grading, and feeding rain-damaged hay.

Sagebrush in Wyoming; by Alan A. Beetle and Kendall L. Johnson; 1982; Wyo. Agric. Expt. Sta. Bul. 779; 68 p. (Agric. Expt. Sta., Univ. Wyo., Laramie, Wyo. 82071) For the 13 types of sagebrush that occur in Wyoming, this guide provides a field identification key, outlines their distribution, describes their morphological and ecological characteristics, and includes management considerations.

Short-Term Vegetational Response to Two-Way Cabling in Pinyon-Juniper Vegetation; by Paul B. Rippel, Rex D. Pieper, and Gordon A. Lymbery; 1980; N. Mex. Agric. Expt. Sta. Res. Rep. 410; 5 p. (Agric. Expt. Sta., N. Mex. State Univ., Las Cruces, N. Mex. 88003) A study of two-way cabling with debris and slash left in place at Fort Stanton.

Spraying Big Sagebrush Range in Eastern Oregon: Management Insights; by Ed Schmisser and Richard Miller; 1981; Ore. Agric. Ext. Spec. Rep. 638; 11 p. (Ext. Serv., Ore. State Univ., Corvallis, Ore. 97331) Provides economic and biological guidelines for spraying big sagebrush range in eastern Oregon.

Tall Fescue with Ladino Clover or Birdsfoot Trefol as Pasture for Steers in Northern Alabama; by C.S. Hoveland, R.R. Harris, E.E. Thomas, E.M. Clark, et al.; 1981; Ala. Agric. Expt. Sta. Bul. 530; 11 p. (Agric. Expt. Sta., Auburn Univ., Auburn, Ala. 36849) Nitrogen application and legume-association as related to tall fescue yields, with observations on the apparent reduction of the adverse effects of fungus-infested tall fescue by the legumes.

Toward a System of Grazing Fees for State Rangelands in Alaska; by William G. Workman and Edward L. Arobio; 1982; Agroborealis 14(1):81-85. (Agric. Expt. Sta., Univ. of Alaska, Fairbanks, Alaska 99701) The results of a study to evaluate several methods of calculating livestock grazing fees on state-owned rangelands in Alaska.

Vegetation Response to Grazing Following Wildfire on the Rolling Plains of Texas; by M.M. Kothmann and R.T. Hinnant; 1981; Tex. Agric. Expt. Sta. Misc. Pub. 1498; 17 p. (Tex. Agric. Expt. Sta., Texas A&M Univ., College Station, Texas 77843) A study of grazing management following wildfire and the possible advantages of continued grazing following incomplete burns.

Legislative Log

The 97th U.S. Congress worked through their July 12th to August 19th period, after which they will recess until September 8th. In their summer session they were faced with reconciling their proposed budget. Since this resulted in a more than 100 billion dollar deficit additional taxes were proposed to reduce the deficit for 1983 through 1985. It appears that the proposed budget and increased taxes will be approved. Committee work will continue on the various Departmental and Bureau budgets but there is no certainty as to when they will be passed.

Time is running out on this Congress. When they return on September 8th they will have until October 8th, the adjournment target date, for completion of a large volume of work. This has led to some speculation as to a lame duck session in November and December but it is too early to tell.

Some important natural resource legislation follows:

Proposed Bill	Description of Bill	Status as of August 3, 1982
S-2309 and H.R. 6133	Reauthorization of the Endangered Species Act. The bills are similar. They include changes to encourage restoration of endangered species, streamline the listing and delisting processes, expedite consultations among federal agencies, require less information for export of certain animals and reauthorize funding for the Act for three years.	On June 8th the House passed H.R. 6133 to reauthorize and amend the Endangered Species Act without further change and without opposition. On June 9th the Senate passed S-2309 with two minor floor amendments but, again, without opposition. Differences between the bills are being reconciled by House and Senate Subcommittee staff for either a conference committee or for renewed floor consideration of a compromise bill.
H.R. 6530 and S-2133	Mount St. Helens National Volcanic Area. The bills direct acquisition of all state and private land, within the volcanic area, by exchanges plus other usual provisions.	H.R. 6530 was reported to the full Agriculture Committee on June 8th and designates a 115,000 acre area. The House Public Lands and National Parks subcommittee took a similar action on June 14th and reported a 115,000 acre proposal. Both reported on June 23rd. On June 16th, the Senate Energy and Natural Resources Committee reported an amended version of S-2133 amended version designating a 105,000 acre area. There are differences that presumably will be resolved yet this session.