



CONSERVATION ENHANCEMENT ACTIVITY

E528T

CONSERVATION STEWARDSHIP PROGRAM

Grazing to Reduce Wildfire Risks on Forests

Conservation Practice 528: Prescribed Grazing

APPLICABLE LAND USE: Forest; Associated Ag Land

RESOURCE CONCERN: Plants

ENHANCEMENT LIFE SPAN: 1 year

Enhancement Description

Managing the harvest of vegetation with grazing and/or browsing animals for the purpose of balancing forage with maintaining ecological site condition and while reducing the risk of wildfire hazard on Western conifer forested ecological sites.

Criteria

- Y Must follow a written prescribed grazing plan for matching the forage quantity and quality produced with the grazing and/or browsing demand.
- Y Develop or update a forest management plan in consultation with a forester or Natural Resources professional to include grazing as part of the wildfire hazard reduction strategy.
- Y This enhancement can only be applied to forest stands where the trees are already properly spaced to meet the requirements of wildfire hazard risk reduction. See NRCS State stand density guidance.
- Y Grazing can be used as maintenance after an initial treatment of understory fuels or as the initial treatment when fine fuels are the dominating ground fuelload.

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- Y This enhancement will be applied to forested ecological sites which have had their historical wildfire return intervals and fire regimes disrupted.
- Y Removal of herbage will be in accordance with site production limitations, rate of plant growth, the physiological needs of forage plants, and the nutritional needs of the animals.
- Y Deferment (non-grazing period less than one year) and/or rest (non-grazing period equal or greater than one year) will be planned for critical periods of plant needs (such as post-planting or renovation, severe drought, etc.).
- Y Manage grazing and/or browsing animals to maintain adequate cover on sensitive areas (such as riparian areas, wetlands, habitats of concern, karst areas, etc.)
- Y Manage livestock movements based on rate of plant growth, available forage, and allowable utilization target. Develop and follow contingency plans to deal with episodic disturbance events.
- Y An approach to grazing management will target the identified level of fine fuel removal while compensating the physiological needs of key forage species with post treatment deferments and timing of repeat treatments.
- Y Plant functional groups providing structure and composition will be identified in the objectives of the prescribed grazing plan.
- Y Plan the intensity, frequency, timing and duration of grazing and/or browsing to treat understory vegetation to maintain and protect targeted native plant health and desired composition but also treat fuel loading during the fire season.
- Y Pruning the lower tree branches and treating the current slash on the ground is compatible with the both wildfire hazard reduction and grazing efficiency. To conduct these activities see the Conservation Practice Standards for 660 Tree and Shrub Pruning and 384 Woody residue treatment

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Documentation and Implementation Requirements

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Participant will:

Y Prior to implementation, obtain a written grazing

plan (NRCS can provide assistance as needed). Plan must include:

- Clear goals and objectives of the plan, including identification of any specie(s) of concern and the plant functional groups providing forage.
- Contingency plan for events that trigger adverse results.
- Forage/Animal Balance.
- A grazing plan narrative describing the basis for when livestock movement or rotation will occur, including deferment plans.
- Contingency plans for forage shortfalls.
- Monitoring locations, key species, and monitoring techniques.
- Map identifying all grazing units including the targeted forest stands, water sources, and any riparian area or watershed drainage locations improved or maintained by this management.

Y Prior to implementation, obtain or update the Forest Management Plan that identifies the stands who’s trees have been (or will be prior to implementing this enhancement)properly spaced for wildfire hazard reduction to include grazing as part of their wildfire hazard reduction strategy.

Y During implementation, keep the following documentation:

- Livestock herd management records with seasonally important phenological stages of plant growth relative to species of concern.
- Annually complete a forage utilization worksheet, such as NRCS Conservation Practice Standard Prescribed Grazing (Code 528) job sheet.
- Grazing intensity records for all key grazing areas that accommodate the criteria.

Y During implementation, consult with NRCS to adjust and adapt the grazing plan to current conditions to verify the changes meet enhancement criteria. Changes to the grazing plan will be documented in writing.

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- Y After implementation, make all records available for review by NRCS to verify implementation of the enhancement.
- Y After implementation, complete an assessment of the site with NRCS to determine effectiveness of the prescribed grazing plan for wildfire hazard reduction.

NRCS will:

- Y As needed, provide technical additional assistance to the participant as requested.
- Y Prior to implementation, provide and explain NRCS Conservation Practice Standard Prescribed Grazing (Code 528) as it relates to implementing this enhancement, including any state approved job sheets or work sheets.
- Y Prior to implementation, assist the participant with development or update of a grazing plan and Forest Management Plan, if requested. If NRCS does not assist with plan development or update, the plan(s) will be reviewed by NRCS for approval prior to implementation to confirm the written objectives meet the criteria of the enhancement.
- Y Prior to implementation, explain the functionality of this enhancement with Enhancement E666E, if sequentially applicable.
- Y During implementation, as requested, assist the participant with adapting the grazing strategy and plan to current conditions.
- Y After implementation, review grazing plan, records, and documentation to verify the enhancement was implemented to meet the criteria.
- Y After implementation, complete an assessment of the site with the participant to determine effectiveness of the prescribed grazing plan for wildfire hazard reduction

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NRCS Documentation Review:

I have reviewed all required participant documentation and have determined the participant has implemented the enhancement and met all criteria and requirements.

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Participant Name _____ Contract Number _____

Total Amount Applied _____ Fiscal Year Completed _____

NRCS Technical Adequacy Signature Date





SOUTH DAKOTA (SD) SUPPLEMENT TO CONSERVATION ENHANCEMENT ACTIVITY

CONSERVATION STEWARDSHIP PROGRAM

E528T

Grazing to reduce wildfire risks on forests

Additional Criteria for SD:

In addition to the criteria specified in the national job sheet E528T the following additional criteria apply in SD:

- A Forest Stewardship plan may need to be developed. The SD Department of Agriculture and Natural Resources will develop a plan with producers (contact information listed at end of document).
- Grazing to reduce wildfire risks may be accomplished through various means, but could include:
 - Late season grazing to reduce amount of residual that carries over from year to year. This could include grazing after seed-set or dormant season grazing.
 - Make sure to allow adequate recovery, and longer rest-periods if utilizing this technique
 - If dormant season grazing, 60 percent (%) utilization is allowable. Also consider additional nutrient supplementation (minerals, salt, lick-tubs, etc.) to match daily nutrient requirements when forage quality is low.
 - Consider altering grazing rotation to include all pastures if currently utilizing a rest or deferred rotation in order to reduce fuel carry-over from year to year.
 - Work with a technical specialist to develop a grazing plan.
- When creating a written grazing management plan, make sure that:
 - Start of the grazing period will be changed by a minimum of two weeks in each pasture/paddock each year during the growing season. If grazing during the dormant season (after October 1), changing the season of use may not be necessary.
 - Adequate recovery periods must be provided:
 - Minimum of 30-45 days between grazing events, depending on forage type. Longer recovery periods may be needed, depending on growth and moisture received.
 - Maximum utilization will not exceed 50 % by weight of the total current year's growth (unless meeting specific goals, see Range Technical Note No 9 for specific goal-related guidance).



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Additional Documentation Requirements for SD:

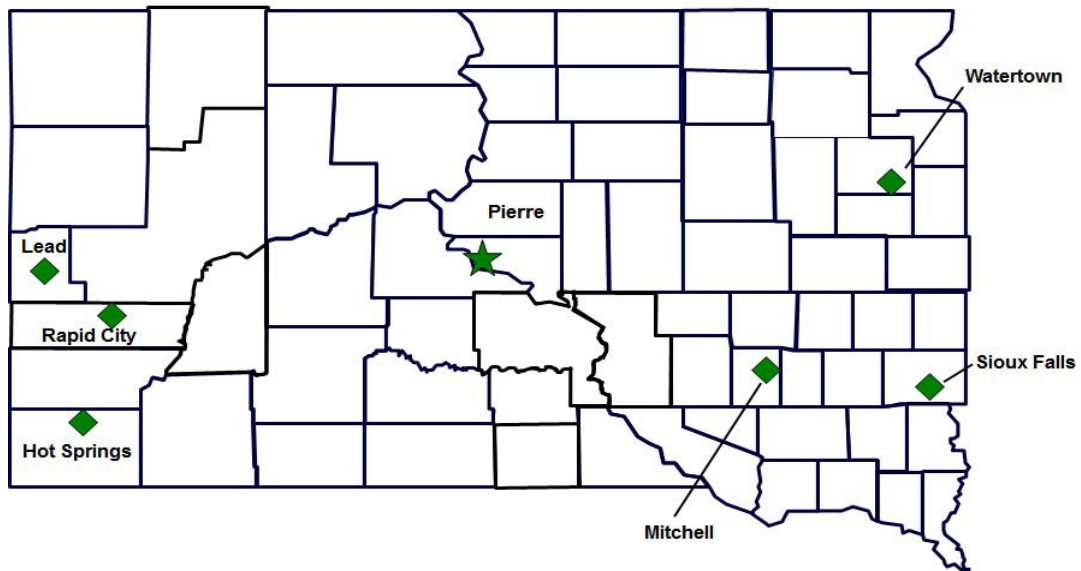
In addition to the documentation requirements specified in the National job sheet E528T, the following additional documentation requirements apply in SD:

- Complete the SD Grazing Tool (SD-CPA-39 Forage/Animal Inventory, Grazing Schedule using the SD-CPA-15 or similar form, and SD-CPA-16 or similar grazing records document).
- Complete a drought contingency plan using the SD Drought Tool or provide the participant with a copy of the example drought contingency plan located within the SD Prescribed Grazing Technical Note 9.



CONSERVATION STEWARDSHIP PROGRAM

SD Department of Agriculture and Natural Resources Office Locations



Hot Springs - Field Office 2202 University Ave. Hot Springs, SD 57747-1802 605-745-5820	Lead - Field Office 622 Hearst Avenue, Suite B Lead, SD 57754-1058 605-584-2300
Mitchell - Field Office 1315 N. Main St., Suite #104 Mitchell, SD 57301-1302 605-995-8189	Pierre - State Office 523 E. Capitol Ave. Pierre, SD 57501-3182 605-773-3623
Rapid City - Field Office 3305 W. South St. Rapid City, SD 57702-8160 605-394-2395	Sioux Falls - Field Office 4305 South Louise Ave, Suite #107 Sioux Falls, SD 57106-3115 605-362-2830
Watertown - Field Office 2001 9th Ave. SW, Suite 500 Watertown, SD 57201-3503 605-882-5367	