



CONSERVATION ENHANCEMENT ACTIVITY

E528M

CONSERVATION STEWARDSHIP PROGRAM

Grazing management that protects sensitive areas from gully erosion

Conservation Practice 528: Prescribed Grazing

APPLICABLE LAND USE: Pasture, Range

RESOURCE CONCERN: Soil

ENHANCEMENT LIFE SPAN: 1 year

Enhancement Description

Grazing management employed will provide vegetative cover and density needed in the watershed in order to protect sensitive areas such as sinkholes, streams, highly erodible areas, or locations that cannot tolerate plant defoliation.

Criteria

- Must follow a grazing written plan matching the forage quantity and quality produced with the grazing and/or browsing demand by livestock and wildlife.
- Supplemental feed and/or minerals will be balanced with the forage consumption to meet the desired nutritional level for the kind and class of grazing and/or browsing livestock.
- Enhance diversity of rangeland plants to optimize delivery of nutrients to the animals by incorporating the intensity, frequency, timing and duration of grazing and/or browsing needed as determined by an erosion control planning process that includes:
 - Clear objectives,
 - A resource inventory of structural improvements, existing resource conditions, and forage.

E528M - Grazing management that protects sensitive areas from gully erosion	August 2019	Page 1
---	-------------	----------



CONSERVATION STEWARDSHIP PROGRAM

- A monitoring plan
- A contingency plan
- Minimize concentrated livestock areas to enhance nutrient distribution and improve or maintain ground cover.
- Minimize deposition or flow of animal wastes into water bodies or sinkholes,
- Minimize animal impacts on stream bank or shoreline stability,
- Maintain adequate ground cover and plant density to maintain or improve infiltration capacity and reduce runoff, and
- Maintain adequate ground cover and plant density to maintain or improve filtering capacity of the vegetation.
- Livestock feeding and watering facilities will be located and designed/installed in a manner to improve livestock distribution and avoid overland flow to sensitive areas.



CONSERVATION STEWARDSHIP PROGRAM

Documentation and Implementation Requirements

Participant will:

- Prior to implementation, obtain a written grazing plan with guidelines and recommendations for matching the forage quantity and quality produced with the grazing and/or browsing demand. Plan will include a contingency plan for potential events that trigger adverse results, such as concentrated flow and gully erosion.
- Prior to implementation, develop a map delineating potential sensitive areas to be protected.
- During implementation, keep livestock herd management records during seasonally important periods of soil erosion potential.
- During implementation, keep grazing utilization records for key grazing areas that accommodate the criteria above, indicating the protective nature of the grazing system to the sensitive areas.
- After implementation, make the follow items available for review by NRCS to verify implementation of the enhancement:
 - Written grazing plan.
 - Pasture/herd in/out records
 - Documented utilization records.

NRCS will:

- As needed, provide technical additional assistance to the participant as requested.
- Prior to implementation, provide and explain NRCS Conservation Practice Standard Prescribed Grazing (Code 528) as it relates to implementing this enhancement.
- Prior to implementation, as needed, assist participant with the development of map delineating potential sensitive areas to be protected.



CONSERVATION STEWARDSHIP PROGRAM

- Prior to implementation, verify a grazing plan has been developed, which includes written objectives.
- After implementation, verify implementation of the written grazing plan, by reviewing plan and records and utilization records kept during kept during enhancement implementation.
- After implementation, verify the protection and condition of the sensitive areas.

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.

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

E528M

Additional Criteria for SD:

In addition to the criteria specified in the national job sheet E528M, the following additional criteria apply in SD:

- Salt, mineral, and feeding locations will not be located near sensitive areas.
- Grazing intensity will be increased from the current level. For example: occupation periods will be significantly reduced and/or recovery periods longer than current management during key growing periods.
- Additional fencing may be required to adequately protect sensitive areas and facilitate grazing management improvements.

Requirements:

- Maximum 50 percent (%) utilization. Ocular methods on key or representative areas are adequate, but utilization methods such as landscape appearance or key species should be used to calibrate field estimates. Exceptions include dormant season grazing (60% utilization) and grazing prescriptions on rangeland that are designed to alter the present plant community through intensive grazing by livestock (i.e., suppression of invasive species). In these cases, the desired degree of use of management species should be documented within the grazing plan and/or assistance notes.
- Adequate plant recovery periods must be provided. On rangelands provide a minimum of 45 days of growing season recovery between grazing events during the growing season. On pasture provide a minimum of 30 consecutive days of growing season recovery between grazing events. The growing season is approximately April 1 through October 1.
- Alter timing of grazing in each pasture by at least 2 weeks from year to year.
- For additional information see the SD Prescribed Grazing Standard (528) and the appropriate SD Range Technical Note.



CONSERVATION STEWARDSHIP PROGRAM

Additional Documentation Requirements for SD:

In addition to the documentation requirements specified in the National job sheet E528M, 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.
- Additional practice documentation (such as fence, watering facility, etc.) if required to improve grazing management of sensitive areas.