

Prepared for: _____

Prepared by: _____

Farm: _____ Tract: _____ Date: _____



Ripping process.

DEFINITION

Modifying physical soil and/or plant conditions with mechanical tools by treatments such as pitting, contour furrowing and ripping, or subsoiling.

PURPOSE

- Fracture compacted soil layers and improve soil permeability.
- Reduce water runoff and increase filtration.
- Break up sod-bound conditions and thatch to increase plant vigor.
- Renovate and stimulate plant community for greater productivity and yield.

CONDITIONS WHERE PRACTICE APPLIES

This standard may be applied on pastureland, grazed forest, and native pastures where the slopes are less than 30 percent.

CRITERIA

General Criteria Applicable to All Purposes

Mechanical treatments such as contour furrowing, pitting, ripping or subsoiling shall be designed and applied in a manner to accomplish the desired objectives and address the natural resource concerns. These treatments shall be limited to soils and slopes where surface disturbances will not result in unacceptable levels of soil erosion and/or sedimentation.

Areas to be treated shall be relatively free of undesirable or noxious plants that are likely to increase because of surface disturbance.

Adequate rest from grazing shall be applied to ensure desired plant responses from this treatment.

All treatments should be planned on the contour when conditions warrant.

Assure soil is not too wet prior to treatment.

CONSIDERATIONS

Pasture and Hayland Planting (NC Practice Standard 512) may be used in conjunction with Grazing Land Mechanical Treatment.

Increased surface roughness may make the treated area undesirable for some uses.

Investigate for compacted layers with a probe or other appropriate tool prior to treatment.

Investigate for tile drainage systems, pipelines and other buried structures prior to work.

Consider cultural resources when planning this practice.

OPERATION AND MAINTENANCE

Implementation of a prescribed grazing plan will assist in the long-term operation and maintenance of this practice.

Additional Operation and Maintenance requirements specific to this Plan:

SPECIFICATIONS

Grazing Land Mechanical Treatment will be prepared for each planning unit according to criteria. Specifications will be recorded using North Carolina specification sheets, job sheets, narrative statements in conservation plans, or other acceptable documents.

Client Name:		Farm #:	
County:		Tract #:	
Program::		Field(s):	
Date:			

Purpose: Check all that apply	
<input type="checkbox"/> Fracture compacted soil layers and improve soil permeability.	<input type="checkbox"/> Reduce water runoff and increase infiltration.
<input type="checkbox"/> Break up sod bound conditions and thatch to increase plant vigor.	<input type="checkbox"/> Renovate and stimulate plant community for greater productivity and yield.

Soil, Range Site or other soil groupings and conditions to which practice is adapted:	
Percent Slope:	
Percent Plant Community in Sod Condition::	
Number of Plants per square yard of Rhizomatous species:	
Percent of Pretreatment Vegetation to be destroyed:	
Depth of furrow, chisel, disk, pit, etc.:	
Width of furrow, chisel, disk, pit, etc.:	
Spacing of furrow, chisel, disk, pit, etc.:	
Extent, how measured, readings, and calculations, etc.:	

Implementation of a good prescribed grazing plan will assist in the long-term operation and maintenance of this practice. If the desired effects of this practice are lost over time, the practice may need to be repeated.

I agree to install this practice as designed and planned.

Client: _____ Date: _____

This practice is designed and planned according to NRCS NC Standards and Specifications.

Conservationist: _____ Date: _____

This practice was installed and maintained in accordance with this job sheet.

Completed by: _____ Date: _____