

Effects of NRCS Conservation Practices - National

Forage Harvest Management

The timely cutting and removal of forages from the field as hay, green-chop, or ensilage.

Code: 511
Units: ac.

Typical Landuse:

AL-Aso Land
 O-Other
 W-Water
 D-Developed
 FS-Farmstead
 P-Protected
 R-Range
 F-Forest
 C-Crop

<u>Soil Erosion</u>	<u>Effect</u>	<u>Rationale</u>
Soil Erosion - Sheet and Rill Erosion	1	Maintaining a vigorous vegetative cover will reduce soil detachment by water.
Soil Erosion - Wind Erosion	1	Maintaining a vigorous vegetative cover will reduce soil detachment by wind.
Soil Erosion - Ephemeral Gully Erosion	0	Not applicable.
Soil Erosion - Classic Gully Erosion	0	Not Applicable
Soil Erosion - Streambank, Shoreline, Water Conveyance C	0	Not Applicable
<u>Soil Quality Degradation</u>		
Organic Matter Depletion	1	There will be an increase in vegetative cover and deeper root systems that may increase soil organic material.
Compaction	3	There will be improved root development, litter accumulation, increased biological activity and decrease number of mechanical operations.
Subsidence	0	Not Applicable
Concentration of Salts or Other Chemicals	0	Not applicable.
<u>Excess Water</u>		
Excess Water - Seeps	0	Not applicable.
Excess Water - Runoff, Flooding, or Ponding	0	Not applicable.
Excess Water - Seasonal High Water Table	0	Not applicable.
Excess Water - Drifted Snow	0	Not Applicable
<u>Insufficient Water</u>		
Insufficient Water - Inefficient Use of Irrigation Water	1	Improved forage management improves water use efficiency.
Insufficient Water - Inefficient Moisture Management	1	Improved forage management improves water use efficiency.
<u>Water Quality Degradation</u>		
Pesticides in Surface Water	2	Managing for desirable plant health and vigor reduces the need for pesticide applications.
Pesticides in Groundwater	0	Not applicable.
Nutrients in Surface water	1	Improved management and plant health and vigor reduces nutrients and organics used.
Nutrients in Groundwater	0	Not applicable.
Salts in Surface Water	0	Not applicable.
Salts in Groundwater	0	Not applicable.
Excess Pathogens and Chemicals from Manure, Bio-solic	1	Management improves vegetative cover, decrease runoff, and increased soil microbiological activity.
Excess Pathogens and Chemicals from Manure, Bio-solic	0	Not applicable.

Excessive Sediment in Surface Water	0	Not applicable.														
Elevated Water Temperature	0	Not Applicable														
Petroleum, Heavy Metals and Other Pollutants Transport	1	Improved plant density, health and vigor will marginally improve plant uptake.														
Petroleum, Heavy Metals and Other Pollutants Transport	0	Not applicable.														
<u>Air Quality Impacts</u>																
Emissions of Particulate Matter (PM) and PM Precursors	0	Not Applicable														
Emissions of Ozone Precursors	0	Not Applicable														
Emissions of Greenhouse Gases (GHGs)	0	Not Applicable														
Objectionable Odors	0	Not Applicable														
<u>Degraded Plant Condition</u>																
Undesirable Plant Productivity and Health	1	Plants are managed to maintain optimal productivity and health.														
Inadequate Structure and Composition	1	Plants are managed to maintain the composition of adapted and suited species.														
Excessive Plant Pest Pressure	0	Not applicable.														
Wildfire Hazard, Excessive Biomass Accumulation	0	Not applicable.														
<u>Fish and Wildlife - Inadequate Habitat</u>																
Inadequate Habitat - Food	1	Increased quality and quantity of vegetation provides more food for certain species of wildlife.														
Inadequate Habitat - Cover/Shelter	1	Timing of harvest of vegetation improves habitat for wildlife.														
Inadequate Habitat - Water	1	Not Applicable														
Inadequate Habitat - Habitat Continuity (Space)	0	Not applicable.														
<u>Livestock Production Limitation</u>																
Inadequate Feed and Forage	2	Improved management will improve quantity and quality of feed and forage.														
Inadequate Shelter	0	Not Applicable														
Inadequate Water	0	Not Applicable														
<u>Inefficient Energy Use</u>																
Equipment and Facilities	0	Not Applicable														
Farming/Ranching Practices and Field Operations	0	Not applicable.														
		<table border="1"> <thead> <tr> <th colspan="2"><u>CPPE Practice Effects:</u></th> </tr> </thead> <tbody> <tr> <td>5 Substantial Improvement</td> <td>0 No Effect</td> </tr> <tr> <td>4 Moderate to Substantial Improvement</td> <td>-1 Slight Worsening</td> </tr> <tr> <td>3 Moderate Improvement</td> <td>-2 Slight to Moderate Worsening</td> </tr> <tr> <td>2 Slight to Moderate Improvement</td> <td>-3 Moderate Worsening</td> </tr> <tr> <td>1 Slight Improvement</td> <td>-4 Moderate to Substantial Worsening</td> </tr> <tr> <td></td> <td>-5 Substantial Worsening</td> </tr> </tbody> </table>	<u>CPPE Practice Effects:</u>		5 Substantial Improvement	0 No Effect	4 Moderate to Substantial Improvement	-1 Slight Worsening	3 Moderate Improvement	-2 Slight to Moderate Worsening	2 Slight to Moderate Improvement	-3 Moderate Worsening	1 Slight Improvement	-4 Moderate to Substantial Worsening		-5 Substantial Worsening
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