

Effects of NRCS Conservation Practices - National

Woody Residue Treatment

The treatment of residual woody material that is created due to management activities or natural disturbances.

Code: 384

Units: ac

Typical Landuse:

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

<u>Soil Erosion</u>	<u>Effect</u>	<u>Rationale</u>
Soil Erosion - Sheet and Rill Erosion	1	Some slash is disposed of and the remainder redistributed to control erosion.
Soil Erosion - Wind Erosion	1	Some slash is disposed of and the remainder redistributed to control erosion.
Soil Erosion - Ephemeral Gully Erosion	1	Some slash is disposed of and the remainder redistributed to control erosion.
Soil Erosion - Classic Gully Erosion	1	Some slash is disposed of and the remainder redistributed to control erosion and initiation of head-cutting.
Soil Erosion - Streambank, Shoreline, Water Conveyance C	0	Not Applicable
<u>Soil Quality Degradation</u>		
Organic Matter Depletion	-1	Some slash is disposed of and the remainder redistributed close to the ground or incorporated to facilitate decomposition.
Compaction	-2	Use of heavy equipment compacts soil.
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	0	Not Applicable
Insufficient Water - Inefficient Moisture Management	1	Woody debris may be redistributed close to the ground to serve as mulch.
<u>Water Quality Degradation</u>		
Pesticides in Surface Water	0	Not Applicable
Pesticides in Groundwater	0	Not Applicable
Nutrients in Surface water	0	Not Applicable
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	0	Not Applicable
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Excessive Sediment in Surface Water	1	Distribution of residual slash reduces sediment delivery.														
Elevated Water Temperature	0	Not Applicable														
Petroleum, Heavy Metals and Other Pollutants Transport	0	Not Applicable														
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<u>Air Quality Impacts</u>																
Emissions of Particulate Matter (PM) and PM Precursors	-1	Exhaust from equipment operation and dust from mechanical activities add particulate matter to the air.														
Emissions of Ozone Precursors	1	There is a minimal reduction of ozone precursors through reduced incidence of wildfire.														
Emissions of Greenhouse Gases (GHGs)	2	Risk of wildfire and release of CO2 is diminished and decomposition of residual slash eventually becomes SOM.														
Objectionable Odors	0	Not Applicable														
<u>Degraded Plant Condition</u>																
Undesirable Plant Productivity and Health	5	Site is altered to allow more suitable species to grow resulting in increased productivity, improved health and vigor.														
Inadequate Structure and Composition	1	Site is altered to allow establishment or planting of more suited and desired species.														
Excessive Plant Pest Pressure	3	Site conditions are managed to minimize undesired vegetation.														
Wildfire Hazard, Excessive Biomass Accumulation	3	Activities reduce fuel load buildup.														
<u>Fish and Wildlife - Inadequate Habitat</u>																
Inadequate Habitat - Food	0	Temporary site conditions may decrease food species used by wildlife.														
Inadequate Habitat - Cover/Shelter	0	Temporary site conditions may decrease cover/shelter for wildlife.														
Inadequate Habitat - Water	1	Not Applicable														
Inadequate Habitat - Habitat Continuity (Space)	0	Conditions created are temporary. The action is designed to recreate woody habitat/space.														
<u>Livestock Production Limitation</u>																
Inadequate Feed and Forage	3	Removal of slash increases forage access.														
Inadequate Shelter	1	Removing woody residue facilitates movement of livestock within stand.														
Inadequate Water	0	Not Applicable														
<u>Inefficient Energy Use</u>																
Equipment and Facilities	0	Not Applicable														
Farming/Ranching Practices and Field Operations	1	Potential biomass production														
		<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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