

# Effects of NRCS Conservation Practices - National

## Tree/Shrub Pruning

The removal of all or part of selected branches, leaders or roots from trees and shrubs.

Code: 660

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  
 C F R P Pr FS D O AL

<u>Soil Erosion</u>	<u>Effect</u>	<u>Rationale</u>
Soil Erosion - Sheet and Rill Erosion	1	Removal of overstory canopy increases amounts and vigor of erosion-controlling ground cover.
Soil Erosion - Wind Erosion	0	Residual vegetation and debris maintain non-erosive conditions.
Soil Erosion - Ephemeral Gully Erosion	0	Residual vegetation and debris maintain non-erosive conditions.
Soil Erosion - Classic Gully Erosion	0	Residual vegetation and debris maintain non-erosive conditions.
Soil Erosion - Streambank, Shoreline, Water Conveyance C	0	Not Applicable
<u>Soil Quality Degradation</u>		
Organic Matter Depletion	-1	Removal of woody material from a site removes organic material that could have become soil organic matter.
Compaction	0	Not Applicable
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	0	Not Applicable
<u>Water Quality Degradation</u>		
Pesticides in Surface Water	1	Managing for desirable plant vigor reduces runoff, erosion, and the need for pesticide applications.
Pesticides in Groundwater	1	Managing for desirable plant vigor reduces the need for pesticide applications.
Nutrients in Surface water	1	The action stimulates plants to take up and assimilate nutrients and organics more efficiently.
Nutrients in Groundwater	1	The action stimulates plants to take up and assimilate nutrients and organics more efficiently.
Salts in Surface Water	0	Not Applicable
Salts in Groundwater	0	Not Applicable
Excess Pathogens and Chemicals from Manure, Bio-solic	0	Not Applicable
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	0	Not Applicable														
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	3	Pruning increases health and vigor of selected tree/shrub species as well as desired understory vegetation.														
Inadequate Structure and Composition	0	Not Applicable														
Excessive Plant Pest Pressure	0	Not Applicable														
Wildfire Hazard, Excessive Biomass Accumulation	3	Activities are carried out to reduce ladder fuels.														
<u>Fish and Wildlife - Inadequate Habitat</u>																
Inadequate Habitat - Food	1	Growth of herbaceous and shrubby plants are enhanced and available as food for wildlife.														
Inadequate Habitat - Cover/Shelter	1	Growth of herbaceous and shrubby plants are enhanced and available as cover/shelter 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	1	Pruning can increase understory plant growth.														
Inadequate Shelter	1	Removing branches from lower portion of trees 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	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
<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															