

Effects of NRCS Conservation Practices - National

Waste Recycling

The use of the by-products of agricultural production or the agricultural use of non-agricultural by-products.

Code: 633

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	O
	AL

<u>Soil Erosion</u>	<u>Effect</u>	<u>Rationale</u>
Soil Erosion - Sheet and Rill Erosion	2	Additional organic material adds nutrients and increases soil organic matter which reduces runoff and erosion.
Soil Erosion - Wind Erosion	1	Additional organic material applied to the soil surface may reduce wind erosion potential.
Soil Erosion - Ephemeral Gully Erosion	1	Additional organic material adds nutrients and increases soil organic matter which reduces runoff and erosion.
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	2	Added organic material will increase biomass production and increase soil organic matter.
Compaction	0	Field operations on moist soils cause soil compaction. However, increased plant growth and root penetration will counterbalance this effect. When wastes are applied through irrigation systems compaction is avoided.
Subsidence	0	Not Applicable
Concentration of Salts or Other Chemicals	0	Proper waste utilization will not result in salt build up.
<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	2	Additional organic material and waste water adds nutrients, increases soil organic matter, and increases soil moisture.
Insufficient Water - Inefficient Moisture Management	2	The action improves water use because of better plant vigor.
<u>Water Quality Degradation</u>		
Pesticides in Surface Water	0	Not Applicable
Pesticides in Groundwater	2	The action increases soil organic matter and biological activity.
Nutrients in Surface water	2	Proper nutrient application should minimize losses due to runoff.
Nutrients in Groundwater	2	Proper nutrient application should minimize leaching losses.
Salts in Surface Water	2	Proper nutrient application should minimize runoff losses. Uses of manure for other than land application will decrease opportunity for water contamination.
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Excess Pathogens and Chemicals from Manure, Bio-solic	0	Proper nutrient application should minimize losses due to runoff.
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Excessive Sediment in Surface Water	0	Proper nutrient application should minimize losses due to runoff.												
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	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	2	Nutrients and soil amendments are applied to optimize to plant health and productivity.												
Inadequate Structure and Composition	2	Nutrients and soil amendments are optimized to enhance suited and desired 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	0	Not Applicable												
Inadequate Habitat - Cover/Shelter	0	Not Applicable												
Inadequate Habitat - Water	2	Not Applicable												
Inadequate Habitat - Habitat Continuity (Space)	0	Not Applicable												
<u>Livestock Production Limitation</u>														
Inadequate Feed and Forage	4	Wastes are applied to enhance production and nutritive value of the forage used by livestock.												
Inadequate Shelter	0	Not Applicable												
Inadequate Water	0	Not Applicable												
<u>Inefficient Energy Use</u>														
Equipment and Facilities	0	Waste can provide nutrients, but transportation requires substantial fuel												
Farming/Ranching Practices and Field Operations	0	Waste can provide nutrients, but transportation requires substantial fuel												
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