Effects of NRCS Conservation Practices - National

Surface Roughening

Performing tillage operations that create random roughness of the soil surface.

<u>Soil Erosion</u> Soil Erosion - Sheet and Rill Erosion	<u>Effect</u> 1	<u>Rationale</u> Soil roughness created for wind erosion also temporarily reduces runoff and
Soil Erosion - Wind Erosion	3	Clods and ridges from tillage temporarily reduce wind erosion
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	0	Not Applicable
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
Insufficient Water 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	The action reduces soil erosion from wind.
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
Excess Pathogens and Chemicals from Manure, Bio-solic	-1	Roughened surface may cause some modest infiltration increases, moving so

Code: 609 Units: ac.	AL-Aso Land O-Other D-Developed FS-Farmstead Pr-Protected P-Pasture R-Range F-Forest C-Crop
Typical Landuse:	с

nd erosion from water

soluble contaminates and pathogens below the root zone.

Excessive Sediment in Surface Water 1 Formation of clods will reduce wind erosion. Elevated Water Tomperature 0 Net Applicable Petroleum, Heavy Metals and Other Pollutants Transport 0 Net Applicable Arr Cotality Innaccis 2 Increasing the random roughness of the soil surface reduces the potential for Emissions of Particulate Matter (PM) and PM Precursors 2 Increasing the random roughness of the soil surface reduces the potential for Emissions of Ozone Precursors 0 Not Applicable Emissions of Groenhouse Gases (GHGs) 1 Some carbon may be lost due to soil disturbance. Objectionable Coors 0 Not Applicable Excessive Plant Productivity and Health 0 Not Applicable Inadequate Blant Continuity 0 Not Applicable Inadequate Mather - Food 0 Not Applicable Inadequate Blant - Cover/Shelter 0 Not Applicable Inadequate Blant - Cover/Shelter 0 Not Applicable Inadequate Blantia - Food 0 Not Applicable Inadequate Blantia - Food Not Applicable Inadequate Blantia - Food Inadequate Blantia - Food Not Applicable Inadequate Blantia - F				
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for wind erosion.

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