Effects of NRCS Conservation Practices - National

Cross Wind Trap Strips

Herbaceous cover established in one or more strips typically perpendicular to the most erosive wind events.

Code: 589C
Units: ac.

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

Soil Erosion	*Effect*	*Rationale*
Soil Erosion - Sheet and Rill Erosion	0	Not Applicable
Soil Erosion - Wind Erosion	4	Vegetative strips oriented across the prevailing wind erosion direction trap saltating soil particles.
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
Soil Quality Degradation		
Organic Matter Depletion	2	Vegetative strips decrease organic matter loss by reducing wind erosion
Compaction	0	Not Applicable
Subsidence	0	Not Applicable
Concentration of Salts or Other Chemicals	0	Not Applicable
Excess Water		
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
Water Quality Degradation		
Pesticides in Surface Water	2	The action reduces soil erosion from wind.
Pesticides in Groundwater	0	Not Applicable
Nutrients in Surface water	2	The action reduces soil erosion from wind which decreases the potential for transport of soil-adsorbed nutrients to surface water.
Nutrients in Groundwater	0	Not Applicable
Salts in Surface Water	1	The action can reduce the transport of wind-borne saline particles to surface water bodies.
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	**1**	**Vegetative strips reduce soil erosion from wind and the resulting offsite sediment transport.**
Elevated Water Temperature	**0**	**Not Applicable**
Petroleum, Heavy Metals and Other Pollutants Transporte	**0**	**Not Applicable**
Petroleum, Heavy Metals and Other Pollutants Transporte	**0**	**Not Applicable**
Air Quality Impacts		
Emissions of Particulate Matter (PM) and PM Precursors	**2**	**Strips of vegetation that trap saltating soil particles can help slow or stop the wind erosion process.**
Emissions of Ozone Precursors	**0**	**Not Applicable**
Emissions of Greenhouse Gases (GHGs)	**1**	**Vegetation removes CO2 from the air and stores it in the form of carbon in the plants and soil.**
Objectionable Odors	**0**	**Not Applicable**
Degraded Plant Condition		
Undesirable Plant Productivity and Health	**3**	**The reduction of wind erosion decreases physical plant damage and maintains soil quality.**
Inadequate Structure and Composition	**5**	**Plants selected are adapted and suited.**
Excessive Plant Pest Pressure	**0**	**Not Applicable**
Wildfire Hazard, Excessive Biomass Accumulation	**0**	**Not Applicable**
Fish and Wildlife - Inadequate Habitat		
Inadequate Habitat - Food	**0**	**No**
Inadequate Habitat - Cover/Shelter	**2**	**Increased quality and quantity of vegetation provides more cover for wildlife.**
Inadequate Habitat - Water	**0**	**Not Applicable**
Inadequate Habitat - Habitat Continuity (Space)	**2**	**Increased cover will increase space for wildlife. May be used to connect other cover areas.**
Livestock Production Limitation		
Inadequate Feed and Forage	**1**	**There may be some use of the planting for feed and forage by livestock.**
Inadequate Shelter	**0**	**Not Applicable**
Inadequate Water	**0**	**Not Applicable**
Inefficient Energy Use		
Equipment and Facilities	**0**	**Not Applicable**
Farming/Ranching Practices and Field Operations	**0**	**Not Applicable**

CPPE Practice Effects:	
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