



**WY-ECS-65**  
**589C – Cross Wind Trap Strips**  
**Implementation Requirements**

**The Herbaceous Wind Barrier will address the following purpose(s):**

- Reduce soil erosion from wind.
- Protect growing crops from damage by wind or wind-borne soil particles.
- Induce deposition/reduce transport of wind-borne sediment and sediment-borne contaminants.
- Provide wildlife habitat.
- Other \_\_\_\_\_

**Design Soil Map Unit** \_\_\_\_\_ **Texture** \_\_\_\_\_ **Field Width (ft)** \_\_\_\_\_

**Prevailing Wind Direction (degrees)** \_\_\_\_\_ **Design Critical Erosion Period (mo)** \_\_\_\_\_

<b>Design Factors</b>	<b>Strip 1</b>	<b>Strip 2</b>	<b>Strip 3</b>
1. Contributing Area (acres)			
2. Wind Erosion (T/A/Y)			
3. Total Erosion (row 1 x 2)			
4. Saltation % (range = 50-80)			
5. Total Sediment (row 3 x 4)			
6. Bulk Density Value (Table 1)			
7. Trap Strip Width (ft)			
8. Deposition Depth (in/yr) (row 5 x 6 ÷ 7)			
9. Vegetative Height			

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<b>Permanent Seed and/or Plant Requirements</b>			
<b>Seedbed Preparation:</b>			
<p>Note: To figure Pure Live Seed (PLS) rates, multiply the percent purity by the percent germination. Divide the seeding rate by the percent PLS to find the bulk seed needed per acre.            For example, 98% purity X 60% germination = 0.588% PLS 10 lbs./acre 0.588% PLS = 17 lbs./acre</p>			
<b>Seeding Time:</b>			
Species/cultivar	Seeding rate PLS (Lb/ac)	Seeding Date	Recommended Fertilizer (N-P-K Lbs/ac)
1.			
2.			
3.			
<b>Method of Seeding/Planting:</b>			
<b>Other Notes (e.g., Inoculants, irrigating, management, plant protection, etc.)</b>			

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**Additional Layout Drawings (if needed)**



**Operation and Maintenance:**

- Maintain original width and depth of vegetated area.
- Harvest, mow, reseed, and fertilize to maintain plant density and vigorous plant growth.
- Inspect after major storms, remove trapped sediment and repair any eroding areas.
- Turn off pesticide sprayers when turning on the trap strip.
- Control noxious weeds.
- Other: