

 **Vegetative Barrier (601)**
Conservation Practice Job Sheet **Colorado**

Cooperator: _____	Date: _____
Tract/Field No.: _____	Planner/Location: _____
Acres: _____	Land Use: _____
Soil Survey Area: _____	Map Unit(s): _____
Previous crop: _____	Planned Crop: _____

Purpose for Planning and Applying this Practice (check all that apply)

- Reduce sheet and rill erosion †
- Reduce ephemeral gully erosion
- Manage water flow †
- Stabilize steep slopes
- Trap sediment

† Calculate RUSLE2 "L" for soil loss objective to determine horizontal spacing between barriers

Specifications (attach a field map with location of vegetative barriers)

Soil loss objective (tons/acre): _____

Layout

	Barrier 1	Barrier 2	Barrier 3	Barrier 4
Field slope (%):	_____			
Vertical interval between barriers (ft):	_____			
RUSLE2 "L" for soil loss objective:	_____			
Horizontal interval between barriers (ft):	_____			
Barrier width (ft):	_____			
Barrier length (ft):	_____			
Barrier area (ac):	_____			
Rows per barrier:	_____			
Vegetative stiffness index (VSI) value:	_____			
Stem diameter (inches):	_____			
Minimum stem density (stems/ft ²):	_____			

Plant Materials

Barrier	Species/cultivar	Seeding rate (lbs PLS/ac)	Seeding date

Barrier Establishment

Site/seedbed preparation: <i>(firm, weed free)</i>	
Seeding:	
Fertilizer: <i>(based on current soil test)</i>	
Mulching:	
Other:	

Operation and Maintenance

- 1) Establishment failures will be replanted or reseeded immediately; short gaps in seeded barriers may be reestablished more effectively and immediately with transplanted plant material.
- 2) Mowing vegetative barriers to encourage the development of a dense stand and prevent shading of crops in adjacent fields is acceptable. Mow at a 15-inch stem height, or the recommended height for the species, whichever is taller.
- 3) Mow barriers in concentrated flow areas during their dormant period to avoid reducing the average stem diameter and thus lowering the VSI.
- 4) Burning barriers is acceptable if the species used will tolerate fire. Carry out burns just prior to the spring regrowth period while the vegetation is dormant. Conduct burns in accordance with State and local requirements.
- 5) Control any plant on the Federal or State noxious weed list. Control other weeds as necessary to ensure a dense stand within the barrier.
- 6) Crop tillage and planting operations will be parallel with the vegetative barrier.
- 7) Perform pest management in adjacent fields with techniques and pesticides that will not damage the vegetative barrier.
- 8) Fill washouts or rills that develop and replant immediately. Reestablish short gaps in established barriers with transplanted plant material.
- 9) Do not use Vegetative Barriers as a field road or turn row. Do not cross Vegetative Barriers in concentrated flow areas with machinery.
- 10) Do not cross Vegetative Barriers with water furrow plows or similar implements to cut drainage ditches to allow the passage of surface and subsurface water. If necessary, drain water with underground outlets installed up gradient of the barrier.

Certification

I have reviewed this plan including the Operation and Maintenance requirements and agree to implement as designed.		
<i>Cooperator</i>		<i>Date</i>
I certify that this application meets practice planning criteria and complies with applicable laws and regulations.		
<i>Conservationist</i>	<i>Title</i>	<i>Date</i>