

Practice: 585 - Stripcropping

Scenario: #1 - Strips

Scenario Description:

This scenario describes the implementation of a stripcropping system that is designed specifically for the control of wind/water erosion or minimizing the transport of wind blown particles or sediments or other water borne contaminants originating from runoff on cropland. Implementation will result in alternating strips of erosion susceptible crops with erosion resistant crops that are oriented as close to perpendicular to prevailing winds/water flows as possible. The designed system will reduce erosion/sediment/contaminants to desired objectives. Payment for implementation is to defray the costs of designing the system, installing the strips on the landscape appropriately, and integrating a crop rotation that includes water erosion resistant species.

Before Situation:

In this geographic area, excessive wind/water erosion is caused by raising crops in a manner that allows wind erosion or water flows to occur due to lack of residue or other conservation measures causing erosion, degradation of soil health through loss of topsoil and organic matter, along with offsite negative impacts to water quality and wildlife habitat.

After Situation:

A stripcropping system that includes at least two or more strips within the planning area will be designed to include parallel strips of approximately equal widths of wind/water erosion resistant crop species with non-erosion resistant crop species. Widths will be determined using current wind or water erosion prediction technology to meet objectives. The design and implementation of a stripcropping system will minimize erosion, protect soil quality, reduce offsite deposition/sedimentation, and benefit offsite wildlife habitat. Erosion prediction before and after practice application will be recorded showing the design and benefits of the practice. Erosion-resistant strips in rotation must be managed to maintain the planned vegetative cover and surface roughness.

Scenario Feature Measure: area of strips

Scenario Unit: Acre

Scenario Typical Size: 80

Scenario Cost: \$229.64

Scenario Cost/Unit: \$2.87

Cost Details (by category):

Component Name	ID	Component Description	Unit	Price (\$/unit)	Quantity	Cost
Equipment/Installation						
Truck, Pickup	939	Equipment and power unit costs. Labor not included.	Hour	\$38.70	4	\$154.80
Labor						
General Labor	231	Labor performed using basic tools such as power tool, shovels, and other tools that do not require extensive training. Ex. pipe layer, herder, concrete placement, materials spreader, flagger, etc.	Hour	\$18.71	4	\$74.84