

Practice: 601 - Vegetative Barriers

Scenario: #1 - Vegetative Barrier: 3-5 ft wide

Scenario Description:

Permanent strips of stiff, dense vegetation established along the general contour of slopes or across concentrated flow areas.

Before Situation:

Significant erosion is occurring resulting in substantial transport of sediment across the slope or concentrated flow areas. A large amount of sediment is subsequently delivered to the edge of the field and/or waterways.

After Situation:

A strip or strips of stiff, dense vegetation three to five feet wide is/are established along the general contour of the slope or across concentrated flow areas that effectively settles a significant amount of sediment above the leading edge of the vegetative barrier. Barrier may also help to connect green areas to provide shelter for wildlife.

Scenario Feature Measure: Linear feet of practice installed

Scenario Unit: Linear Feet

Scenario Typical Size: 1,000

Scenario Cost: \$9.68

Scenario Cost/Unit: \$0.01

Cost Details (by category):

Component Name	ID	Component Description	Unit	Price (\$/unit)	Quantity	Cost
Equipment/Installation						
Tillage, Light	945	Includes light disking (tandem) or field cultivator. Includes equipment, power unit and labor costs.	Acre	\$9.66	0.0918	\$0.89
Seeding Operation, No Till/Grass Drill	960	No Till drill or grass drill for seeding. Includes equipment, power unit and labor costs.	Acre	\$18.51	0.0918	\$1.70
Materials						
One Species, Warm Season, Native Perennial Grass	2322	Native, warm season perennial grass. Includes material and shipping only.	Acre	\$70.93	0.1	\$7.09

Practice: 601 - Vegetative Barriers

Scenario: #2 - Vegetative Barrier: >5 ft wide

Scenario Description:

Permanent strips of stiff, dense vegetation established along the general contour of slopes or across concentrated flow areas.

Before Situation:

Significant erosion is occurring resulting in substantial transport of sediment across the slope or concentrated flow areas. A large amount of sediment is subsequently delivered to the edge of the field and/or waterways.

After Situation:

A strip or strips of stiff, dense vegetation greater than five feet wide is/are established along the general contour of the slope or across concentrated flow areas that effectively settles a significant amount or sediment above the leading edge of the vegetative barrier. Barrier may also help to connect green areas to provide shelter for wildlife. A strip of land 5-10 feet wide is taken out of crop production.

Scenario Feature Measure: Linear feet of practice installed

Scenario Unit: Linear Feet

Scenario Typical Size: 1,000

Scenario Cost: \$62.87

Scenario Cost/Unit: \$0.06

Cost Details (by category):

Component Name	ID	Component Description	Unit	Price (\$/unit)	Quantity	Cost
Equipment/Installation						
Seeding Operation, No Till/Grass Drill	960	No Till drill or grass drill for seeding. Includes equipment, power unit and labor costs.	Acre	\$18.51	0.1837	\$3.40
Tillage, Light	945	Includes light disking (tandem) or field cultivator. Includes equipment, power unit and labor costs.	Acre	\$9.66	0.1837	\$1.77
Foregone Income						
FI, Cotton Dryland	1967	Dryland Cotton is Primary Crop	Acre	\$150.63	0.0459	\$6.91
FI, Sorghum Dryland	1971	Dryland Sorghum is Primary Crop	Acre	\$105.79	0.0459	\$4.86
FI, Rice	1974	Rice is Primary Crop	Acre	\$549.14	0.0459	\$25.21
FI, Soybeans Dryland	1961	Dryland Soybeans is Primary Crop	Acre	\$204.25	0.0459	\$9.38
Materials						
One Species, Warm Season, Native Perennial Grass	2322	Native, warm season perennial grass. Includes material and shipping only.	Acre	\$70.93	0.16	\$11.35

Practice: 601 - Vegetative Barriers

Scenario: #3 - Vegetative Barrier: Cuttings on slopes

Scenario Description:

Permanent strips of stiff, dense vegetation established along the general contour of slopes.

Before Situation:

Significant erosion is occurring resulting in substantial transport of sediment across the slope or concentrated flow areas. A large amount of sediment is subsequently delivered to the edge of the field and/or waterways.

After Situation:

A strip or strips of stiff, dense vegetation such as Vetivier Grass is/are established along the general contour of the slope that effectively settles a significant amount of sediment above the leading edge of the vegetative barrier. Barrier may also help to connect green areas to provide shelter for wildlife.

Scenario Feature Measure: Linear feet of practice installed

Scenario Unit: Linear Feet

Scenario Typical Size: 100

Scenario Cost: \$786.43

Scenario Cost/Unit: \$7.86

Cost Details (by category):

Component Name	ID	Component Description	Unit	Price (\$/unit)	Quantity	Cost
Equipment/Installation						
Chemical, ground application	948	Chemical application performed by ground equipment. Includes equipment, power unit and labor costs.	Acre	\$5.32	0.0092	\$0.05
Fertilizer, ground application, dry bulk	950	Dry bulk fertilizer application performed by ground equipment. Includes equipment, power unit and labor costs.	Acre	\$5.90	0.0092	\$0.05
Ground sprigging	1101	Includes costs for equipment, power unit and labor.	Acre	\$87.24	0.0092	\$0.80
Foregone Income						
FI, Rice	1974	Rice is Primary Crop	Acre	\$549.14	0.0023	\$1.26
FI, Soybeans Dryland	1961	Dryland Soybeans is Primary Crop	Acre	\$204.25	0.0023	\$0.47
FI, Sorghum Dryland	1971	Dryland Sorghum is Primary Crop	Acre	\$105.79	0.0023	\$0.24
FI, Cotton Dryland	1967	Dryland Cotton is Primary Crop	Acre	\$150.63	0.0023	\$0.35
Materials						
Potassium, K2O	74	K2O supplied by Muriate Of Potash. Price is not per pound of total product applied, no conversion is needed.	Pound	\$0.55	0.7	\$0.39
Phosphorus, P2O5	73	Price per pound of P2O5 supplied by Superphosphate. Price is not per pound of total product applied, no conversion is needed.	Pound	\$0.72	0.7	\$0.50
Nitrogen (N), Ammonium Sulfate	70	Price per pound of N supplied by Ammonium Sulfate. Price is not per pound of total product applied, no conversion is needed.	Pound	\$1.31	0.4591	\$0.60
One Species, Warm Season, Introduced Perennial Rhizome	2324	Cool season introduced perennial rhizome. Includes material and shipping only.	100 Foot	\$781.57	1	\$781.57
Herbicide, Glyphosate	334	A broad-spectrum, non-selective systemic herbicide. Refer to WIN-PST for product names and active ingredients. Includes materials and shipping only.	Acre	\$15.63	0.0092	\$0.14

Practice: 601 - Vegetative Barriers

Scenario: #4 - Vegetative Barrier: Cuttings across concentrated flow areas

Scenario Description:

Permanent strips of stiff, dense vegetation established across concentrated flow areas.

Before Situation:

Significant erosion is occurring resulting in substantial transport of sediment through concentrated flow areas. A large amount of sediment is subsequently delivered to the edge of the field and/or waterways.

After Situation:

A strip or strips of stiff, dense vegetation such as Vetivier Grass is/are established across concentrated flow areas that effectively settles a significant amount of sediment above the leading edge of the vegetative barrier. Barrier may also help to connect green areas to provide shelter for wildlife.

Scenario Feature Measure: Linear feet of practice installed

Scenario Unit: Linear Feet

Scenario Typical Size: 100

Scenario Cost: \$784.11

Scenario Cost/Unit: \$7.84

Cost Details (by category):

Component Name	ID	Component Description	Unit	Price (\$/unit)	Quantity	Cost
Equipment/Installation						
Chemical, ground application	948	Chemical application performed by ground equipment. Includes equipment, power unit and labor costs.	Acre	\$5.32	0.0092	\$0.05
Ground sprigging	1101	Includes costs for equipment, power unit and labor.	Acre	\$87.24	0.0092	\$0.80
Fertilizer, ground application, dry bulk	950	Dry bulk fertilizer application performed by ground equipment. Includes equipment, power unit and labor costs.	Acre	\$5.90	0.0092	\$0.05
Materials						
One Species, Warm Season, Introduced Perennial Rhizome	2324	Cool season introduced perennial rhizome. Includes material and shipping only.	100 Foot	\$781.57	1	\$781.57
Herbicide, Glyphosate	334	A broad-spectrum, non-selective systemic herbicide. Refer to WIN-PST for product names and active ingredients. Includes materials and shipping only.	Acre	\$15.63	0.0092	\$0.14
Potassium, K2O	74	K2O supplied by Muriate Of Potash. Price is not per pound of total product applied, no conversion is needed.	Pound	\$0.55	0.7	\$0.39
Phosphorus, P2O5	73	Price per pound of P2O5 supplied by Superphosphate. Price is not per pound of total product applied, no conversion is needed.	Pound	\$0.72	0.7	\$0.50
Nitrogen (N), Ammonium Sulfate	70	Price per pound of N supplied by Ammonium Sulfate. Price is not per pound of total product applied, no conversion is needed.	Pound	\$1.31	0.4591	\$0.60