

**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:** \$9.09

**Scenario Cost/Unit:** \$0.01

**Cost Details (by category):**

Component Name	ID	Component Description	Unit	Price (\$/unit)	Quantity	Cost
<b>Equipment/Installation</b>						
Tillage, Light	945	Includes light disking (tandem) or field cultivator. Includes equipment, power unit and labor costs.	Acre	\$9.31	0.0918	\$0.85
Seeding Operation, No Till/Grass Drill	960	No Till drill or grass drill for seeding. Includes equipment, power unit and labor costs.	Acre	\$17.85	0.0918	\$1.64
<b>Materials</b>						
One Species, Warm Season, Native Perennial Grass	2322	Native, warm season perennial grass. Includes material and shipping only.	Acre	\$65.98	0.1	\$6.60

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**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 of 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:** \$61.08

**Scenario Cost/Unit:** \$0.06

**Cost Details (by category):**

Component Name	ID	Component Description	Unit	Price (\$/unit)	Quantity	Cost
<b>Equipment/Installation</b>						
Tillage, Light	945	Includes light disking (tandem) or field cultivator. Includes equipment, power unit and labor costs.	Acre	\$9.31	0.1837	\$1.71
Seeding Operation, No Till/Grass Drill	960	No Till drill or grass drill for seeding. Includes equipment, power unit and labor costs.	Acre	\$17.85	0.1837	\$3.28
<b>Foregone Income</b>						
FI, Soybeans Dryland	1961	Dryland Soybeans is Primary Crop	Acre	\$202.38	0.0459	\$9.29
FI, Cotton Dryland	1967	Dryland Cotton is Primary Crop	Acre	\$124.79	0.0459	\$5.73
FI, Rice	1974	Rice is Primary Crop	Acre	\$553.10	0.0459	\$25.39
FI, Sorghum Dryland	1971	Dryland Sorghum is Primary Crop	Acre	\$111.73	0.0459	\$5.13
<b>Materials</b>						
One Species, Warm Season, Native Perennial Grass	2322	Native, warm season perennial grass. Includes material and shipping only.	Acre	\$65.98	0.16	\$10.56

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**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:** \$1,458.34

**Scenario Cost/Unit:** \$14.58

**Cost Details (by category):**

Component Name	ID	Component Description	Unit	Price (\$/unit)	Quantity	Cost
<b>Equipment/Installation</b>						
Ground sprigging	1101	Includes costs for equipment, power unit and labor.	Acre	\$84.10	0.0092	\$0.77
Chemical, ground application	948	Chemical application performed by ground equipment. Includes equipment, power unit and labor costs.	Acre	\$5.13	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	\$5.67	0.0092	\$0.05
<b>Foregone Income</b>						
FI, Rice	1974	Rice is Primary Crop	Acre	\$553.10	0.0023	\$1.27
FI, Cotton Dryland	1967	Dryland Cotton is Primary Crop	Acre	\$124.79	0.0023	\$0.29
FI, Sorghum Dryland	1971	Dryland Sorghum is Primary Crop	Acre	\$111.73	0.0023	\$0.26
FI, Soybeans Dryland	1961	Dryland Soybeans is Primary Crop	Acre	\$202.38	0.0023	\$0.47
<b>Materials</b>						
Potassium, K2O	74	K2O supplied by Muriate Of Potash. Price is not per pound of total product applied, no conversion is needed.	Pound	\$0.30	0.7	\$0.21
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	\$0.34	0.7	\$0.24
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	\$15.83	0.0092	\$0.15
One Species, Warm Season, Introduced Perennial Rhizome	2324	Cool season introduced perennial rhizome. Includes material and shipping only.	100 Foot	\$727.04	2	\$1,454.08
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	\$1.11	0.4591	\$0.51

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**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:** \$1,456.06

**Scenario Cost/Unit:** \$14.56

**Cost Details (by category):**

Component Name	ID	Component Description	Unit	Price (\$/unit)	Quantity	Cost
<b>Equipment/Installation</b>						
Ground sprigging	1101	Includes costs for equipment, power unit and labor.	Acre	\$84.10	0.0092	\$0.77
Chemical, ground application	948	Chemical application performed by ground equipment. Includes equipment, power unit and labor costs.	Acre	\$5.13	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	\$5.67	0.0092	\$0.05
<b>Materials</b>						
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	\$1.11	0.4591	\$0.51
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	\$0.34	0.7	\$0.24
Potassium, K2O	74	K2O supplied by Muriate Of Potash. Price is not per pound of total product applied, no conversion is needed.	Pound	\$0.30	0.7	\$0.21
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	\$15.83	0.0092	\$0.15
One Species, Warm Season, Introduced Perennial Rhizome	2324	Cool season introduced perennial rhizome. Includes material and shipping only.	100 Foot	\$727.04	2	\$1,454.08