

Practice: 393 - Filter Strip

Scenario # 1 Introduced or Native Seeding, Field Crop Operation

Scenario Description: Actual Scenario # 1

New York

A strip or area of native herbaceous vegetation situated between cropland, grazing land or disturbed land and sensitive areas. Practice includes seedbed prep and planting of native species. The area of the filter strip is taken out of production. Associated Practices: Herbaceous Weed Control (315), Conservation Cropping Rotation (328), Critical Area Planting (342), Nutrient Management (590), Integrated Pest Management (595), Prescribed Grazing (528).

Before Practice Situation:

Annual cropland, grazing land, or disturbed land (including forestland) allows for runoff of suspended solids, dissolved and/or associated contaminants into environmentally-sensitive areas such as wetlands, riparian zones, critical habitat and neighboring non-ag properties. Water Quality resource concerns are associated with this practice.

After Practice Situation:

The planned filter strip will be established and maintained per the practice plan that will meet the criteria for the planned purpose(s). The vegetation will consist of native species. The filter strip will have adequate width to filter the planned pollutants. The practice includes seedbed preparation, seeding, and operation and maintenance to maintain the vegetation and the function of the filter strip. Species selected shall be able to withstand partial burial by sediment and tolerant of herbicides used on contribution area while protecting environmentally-sensitive areas. The area of the filter strip is taken out of production.

Scenario Feature Measure:

number of acres

Scenario Typical Size:	1	Acre	Tot Unit Cost	\$464.21
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Cost Category	Component Name	Quantity	Unit	Unit Cost	Cost
Materials	Phosphorus, P2O5	50	Pound	\$0.39	\$19.50
Materials	Potassium, K2O	50	Pound	\$0.28	\$14.00
Materials	Herbicide, Glyphosate	1	Acre	\$15.83	\$15.83
Materials	One Species, Warm Season, Native	1	Acre	\$65.98	\$65.98
Equip./Install.	Tillage, Light	1	Acre	\$11.57	\$11.57
Equip./Install.	Chemical, ground application	1	Acre	\$6.37	\$6.37
Equip./Install.	Fertilizer, ground application, dry	1	Acre	\$7.04	\$7.04
Equip./Install.	Seeding Operation, No Till/Grass Drill	1	Acre	\$22.17	\$22.17
Forgone Incom/FI, Corn Dryland		0.5	Acre	\$313.51	\$156.76
Forgone Incom/FI, Soybeans Dryland		0.25	Acre	\$340.36	\$85.09
Forgone Incom/FI, Wheat Dryland		0.25	Acre	\$239.62	\$59.91

Payment types:

Total Cost: \$464.21

PayType	Unit Payment	PayType	Unit Payment
EQIP	\$423.60	EQIP-HU	\$447.96
WHIP	\$0.00	WHIP-HU	\$0.00

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Scenario # 2 Introduced or Native seeding, Vegetable or Fruit Operation

Scenario Description: Actual Scenario # 2

New York

A strip or area of Introduced herbaceous organic vegetation situated between vegetable crops, orchards, or other high value crops and sensitive areas. Practice includes seedbed prep and planting of introduced organic species. The area of the filter strip is taken out of production. Associated Practices: Herbaceous Weed Control (315), Conservation Cropping Rotation (328), Critical Area Planting (342), Nutrient Management (590), Integrated Pest Management (595), Prescribed Grazing (528).

Before Practice Situation:

Land in vegetables or fruit allows for runoff of suspended solids, dissolved and/or associated contaminants into environmentally-sensitive areas such as wetlands, riparian zones, critical habitat and neighboring non-ag properties. Water Quality resource concerns are associated with this practice.

After Practice Situation:

The planned filter strip will be established and maintained per the practice plan that will meet the criteria for the planned purpose(s). The vegetation will consist of introduced organic species. The filter strip will have adequate width to filter the planned pollutants. The practice includes seedbed preparation, seeding, and operation and maintenance to maintain the vegetation and the function of the filter strip. Species selected shall be able to withstand partial burial by sediment and tolerant of herbicides used on contribution area while protecting environmentally-sensitive areas. The area of the filter strip is taken out of production.

Scenario Feature Measure:

Number of Acres

Scenario Typical Size:	1	Acres	Tot Unit Cost	\$1,123.66
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Cost Category	Component Name	Quantity	Unit	Unit Cost	Cost
Materials	Nitrogen (N), Urea	50	Pound	\$0.67	\$33.50
Materials	Phosphorus, P2O5	50	Pound	\$0.39	\$19.50
Materials	Herbicide, Glyphosate	1	Acres	\$15.83	\$15.83
Materials	Four Species Mix, Cool Season,	1	Acres	\$46.18	\$46.18
Equip./Install.	Tillage, Light	1	Acres	\$11.57	\$11.57
Equip./Install.	Chemical, ground application	1	Acres	\$6.37	\$6.37
Equip./Install.	Fertilizer, ground application, dry	1	Acres	\$7.04	\$7.04
Equip./Install.	Seeding Operation, No Till/Grass Drill	1	Acres	\$22.17	\$22.17
Forgone Incom FI, Vegetables		1	Acres	\$961.50	\$961.50

Payment types:

Total Cost: \$1,123.66

PayType	Unit Payment	PayType	Unit Payment
EQIP	\$1,083.12	EQIP-HU	\$1,107.44
WHIP	\$0.00	WHIP-HU	\$0.00

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Scenario # 3 Organic Seeding, Field Crop Operation

Scenario Description: Actual Scenario # 3

New York

A strip or area of Introduced herbaceous organic vegetation situated between cropland, grazing land or disturbed land and sensitive areas. Practice includes seedbed prep and planting of introduced organic species. The area of the filter strip is taken out of production. Associated Practices: Herbaceous Weed Control (315), Conservation Cropping Rotation (328), Critical Area Planting (342), Nutrient Management (590), Integrated Pest Management (595), Prescribed Grazing (528).

Before Practice Situation:

Annual cropland, grazing land, or disturbed land (including forestland) allows for runoff of suspended solids, dissolved and/or associated contaminants into environmentally-sensitive areas such as wetlands, riparian zones, critical habitat and neighboring non-ag properties. Water Quality resource concerns are associated with this practice.

After Practice Situation:

The planned filter strip will be established and maintained per the practice plan that will meet the criteria for the planned purpose(s). The vegetation will consist of introduced organic species. The filter strip will have adequate width to filter the planned pollutants. The practice includes seedbed preparation, seeding, and operation and maintenance to maintain the vegetation and the function of the filter strip. Species selected shall be able to withstand partial burial by sediment and tolerant of herbicides used on contribution area while protecting environmentally-sensitive areas. The area of the filter strip is taken out of production.

Scenario Feature Measure:

Number of acres

Scenario Typical Size:	1	Acre	Tot Unit Cost	\$480.34
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Cost Category	Component Name	Quantity	Unit	Unit Cost	Cost
Materials	Nitrogen, Organic	50	Pound	\$0.27	\$13.50
Materials	Phosphorus, Organic	10	Pound	\$0.27	\$2.70
Materials	Certified Organic, Three Species Mix,	1	Acre	\$64.77	\$64.77
Equip./Install.	Tillage, Light	2	Acre	\$11.57	\$23.14
Equip./Install.	Fertilizer, ground application, dry	1	Acre	\$7.04	\$7.04
Equip./Install.	Seeding Operation, No Till/Grass Drill	1	Acre	\$22.17	\$22.17
Forgone Incom FI, Organic, Corn Dryland		0.5	Acre	\$360.54	\$180.27
Forgone Incom FI, Organic, Soybeans Dryland		0.25	Acre	\$391.42	\$97.86
Forgone Incom FI, Organic, Wheat Dryland		0.25	Acre	\$275.57	\$68.89

Total Cost: \$480.34

Payment types:

PayType	Unit Payment	PayType	Unit Payment
EQIP	\$447.01	EQIP-HU	\$467.01
WHIP	\$0.00	WHIP-HU	\$0.00

Practice: 393 - Filter Strip

Scenario # 4 Organic Seeding, Vegetable or Fruit Operation

Scenario Description: Actual Scenario # 4

New York

A strip or area of Introduced herbaceous organic vegetation situated between vegetable crops, orchards, or other high value crops and sensitive areas. Practice includes seedbed prep and planting of introduced organic species. The area of the filter strip is taken out of production. Associated Practices: Herbaceous Weed Control (315), Conservation Cropping Rotation (328), Critical Area Planting (342), Nutrient Management (590), Integrated Pest Management (595), Prescribed Grazing (528).

Before Practice Situation:

Land in vegetables or fruit allows for runoff of suspended solids, dissolved and/or associated contaminants into environmentally-sensitive areas such as wetlands, riparian zones, critical habitat and neighboring non-ag properties. Water Quality resource concerns are associated with this practice.

After Practice Situation:

The planned filter strip will be established and maintained per the practice plan that will meet the criteria for the planned purpose(s). The vegetation will consist of introduced organic species. The filter strip will have adequate width to filter the planned pollutants. The practice includes seedbed preparation, seeding, and operation and maintenance to maintain the vegetation and the function of the filter strip. Species selected shall be able to withstand partial burial by sediment and tolerant of herbicides used on contribution area while protecting environmentally-sensitive areas. The area of the filter strip is taken out of production.

Scenario Feature Measure:

Number of acres

Scenario Typical Size:	1	Acre	Tot Unit Cost	\$1,249.84
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Cost Category	Component Name	Quantity	Unit	Unit Cost	Cost
Materials	Nitrogen, Organic	50	Pound	\$0.27	\$13.50
Materials	Phosphorus, Organic	50	Pound	\$0.27	\$13.50
Materials	Certified Organic, Three Species Mix,	1	Acre	\$64.77	\$64.77
Equip./Install.	Tillage, Light	2	Acre	\$11.57	\$23.14
Equip./Install.	Fertilizer, ground application, dry	1	Acre	\$7.04	\$7.04
Equip./Install.	Seeding Operation, No Till/Grass Drill	1	Acre	\$22.17	\$22.17
Forgone IncomFI,	Organic, Vegetables	1	Acre	\$1,105.72	\$1,105.72

Total Cost: \$1,249.84

Payment types:

PayType	Unit Payment	PayType	Unit Payment
EQIP	\$1,213.81	EQIP-HU	\$1,235.43
WHIP	\$0.00	WHIP-HU	\$0.00