

Scenario Worksheet

Practice and Scenario Description:

Information Type	Data
Region	New England
State	Connecticut
Discipline Group	Agronomy
Practice Code/Name	386 - Field Border
Scenario ID	7
Scenario Name	Field Border, Introduced
Scenario Description	A strip of permanent vegetation established at the edge or around the perimeter of a field. This practice may also apply to recreation land or other land uses where agronomic crops including forages are grown. Practice includes seedbed prep and planting of introduced species. The area of the field border is taken out of production.
Before Practice Situation	Before practice conditions may vary widely. Fields may have erosion issues from wind or water, a field border may be needed to manage pest populations, protect soil and water quality, provide wildlife food and cover, provide pollinator habitat, or a field border may be used to increase carbon storage and improve air quality. Water quality, soil erosion and/or wildlife food and cover may all be primary resource concerns.
After Practice Situation	This practice when applied around a field will support and connect other buffer practices within and between fields. Introduced grasses and legumes will be established around the field edges to the extent needed to meet the resource needs and producer objectives. Minimum field border widths shall be based on NRCS local design criteria specific to the purpose for installing the practice. Introduced species of grasses, legumes, forbs or shrubs shall be selected that are adapted to site, will not function as a host for diseases of a field crop and have physical characteristics necessary to control wind and water erosion to tolerable levels on the field border area.
Scenario Feature Measure	Number of acres
Scenario Unit	Acre
Scenario Typical Size	1

Cost Summary:

Cost Category	Scenario Cost	Scenario Cost/Unit
Materials	\$191.17	\$191.17
Equipment/Installation	\$26.16	\$26.16
Labor	\$25.71	\$25.71
Mobilization	\$0.00	\$0.00
Acquisition of Technical Knowledge	\$0.00	\$0.00
Foregone Income	\$0.00	\$0.00
Total	\$243.04	\$243.04

Cost Details:

Cost Category	Component ID	Component Name	Component Description	Unit	Price (\$/unit)	Quantity	Cost
Materials	334	Herbicide, Glyphosate	A broad-spectrum, non-selective systemic herbicide. Product is typically used in these practices 340, 645, 314, 666, and 512. Refer to WIN-PST for product names and active ingredients. Materials only.	Acre	\$11.04	1	\$11.04
Materials	97	Timothy (Phleum pratense)	Introduced Perennial Grasses and shipping.	Pound	\$2.46	5	\$12.30
Materials	95	Smooth Bromegrass (Bromus inermis)	Introduced Perennial Grasses and shipping.	Pound	\$3.15	3	\$9.45
Materials	92	Orchard Grass (Dactylis glomerata)	Introduced Perennial Grasses and shipping.	Pound	\$2.04	5	\$10.20
Materials	74	Potassium, K2O	K2O supplied by Muriate Of Potash. Price is not per pound of total product applied, no conversion is needed.	Pound	\$0.53	100	\$53.00
Materials	73	Phosphorus, P2O5	Price per pound of P2O5 supplied by Superphosphate. Price is not per pound of total product applied, no conversion is needed.	Pound	\$0.96	50	\$48.00
Materials	71	Nitrogen (N), Urea	Price per pound of N supplied by Urea. Price is not per pound of total product applied, no conversion is needed.	Pound	\$0.69	50	\$34.50
Materials	112	Red Clover (Trifolium pratense)	Introduced Legumes and shipping.	Pound	\$2.60	2	\$5.20
Materials	109	Ladino Clover (Trifolium repens)	Introduced Legumes and shipping.	Pound	\$3.74	2	\$7.48
Equipment/Installation	948	Chemical, ground application	Chemical application performed by ground equipment. Includes equipment, power unit and labor costs.	Acre	\$4.44	1	\$4.44
Equipment/Installation	950	Fertilizer, ground application, dry bulk	Dry bulk fertilizer application performed by ground equipment. Includes equipment, power unit and labor costs.	Acre	\$7.15	1	\$7.15
Equipment/Installation	960	Seeding Operation, No Till/Grass Drill	No Till drill or grass drill for seeding. Includes equipment, power unit and labor costs.	Acre	\$14.57	1	\$14.57
Labor	231	General Labor	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	\$25.71	1	\$25.71

Scenario Worksheet

Practice and Scenario Description:

Information Type	Data
Region	New England
State	Connecticut
Discipline Group	Agronomy
Practice Code/Name	386 - Field Border
Scenario ID	2
Scenario Name	Field Border, Introduced, Inc Foregone
Scenario Description	A strip of permanent vegetation established at the edge or around the perimeter of a field. This practice may also apply to recreation land or other land uses where agronomic crops including forages are grown. Practice includes seedbed prep and planting of introduced species. The area of the field border is taken out of production of silage corn.
Before Practice Situation	Before practice conditions may vary widely. Fields may have erosion issues from wind or water, a field border may be needed to manage pest populations, protect soil and water quality, provide wildlife food and cover, provide pollinator habitat, or a field border may be used to increase carbon storage and improve air quality. Water quality, soil erosion and/or wildlife food and cover may all be primary resource concerns.
After Practice Situation	This practice when applied around a field will support and connect other buffer practices within and between fields. Introduced grasses and legumes will be established around the field edges to the extent needed to meet the resource needs and producer objectives. Minimum field border widths shall be based on NRCS local design criteria specific to the purpose for installing the practice. Introduced species of grasses, legumes, forbs or shrubs shall be selected that are adapted to site, will not function as a host for diseases of a field crop and have physical characteristics necessary to control wind and water erosion to tolerable levels on the field border area.
Scenario Feature Measure	Number of acres
Scenario Unit	Acre
Scenario Typical Size	1

Cost Summary:

Cost Category	Scenario Cost	Scenario Cost/Unit
Materials	\$191.17	\$191.17
Equipment/Installation	\$26.16	\$26.16
Labor	\$25.71	\$25.71
Mobilization	\$0.00	\$0.00
Acquisition of Technical Knowledge	\$0.00	\$0.00
Foregone Income	\$202.67	\$202.67
Total	\$445.71	\$445.71

Cost Details:

Cost Category	Component ID	Component Name	Component Description	Unit	Price (\$/unit)	Quantity	Cost
Materials	74	Potassium, K2O	K2O supplied by Muriate Of Potash. Price is not per pound of total product applied, no conversion is needed.	Pound	\$0.53	100	\$53.00
Materials	73	Phosphorus, P2O5	Price per pound of P2O5 supplied by Superphosphate. Price is not per pound of total product applied, no conversion is needed.	Pound	\$0.96	50	\$48.00
Materials	71	Nitrogen (N), Urea	Price per pound of N supplied by Urea. Price is not per pound of total product applied, no conversion is needed.	Pound	\$0.69	50	\$34.50
Materials	334	Herbicide, Glyphosate	A broad-spectrum, non-selective systemic herbicide. Product is typically used in these practices 340, 645, 314, 666, and 512. Refer to WIN-PST for product names and active ingredients. Materials only.	Acre	\$11.04	1	\$11.04
Materials	109	Ladino Clover (Trifolium repens)	Introduced Legumes and shipping.	Pound	\$3.74	2	\$7.48
Materials	97	Timothy (Phleum pratense)	Introduced Perennial Grasses and shipping.	Pound	\$2.46	5	\$12.30
Materials	95	Smooth Bromegrass (Bromus inermis)	Introduced Perennial Grasses and shipping.	Pound	\$3.15	3	\$9.45
Materials	92	Orchard Grass (Dactylis glomerata)	Introduced Perennial Grasses and shipping.	Pound	\$2.04	5	\$10.20
Materials	112	Red Clover (Trifolium pratense)	Introduced Legumes and shipping.	Pound	\$2.60	2	\$5.20
Equipment/Installation	948	Chemical, ground application	Chemical application performed by ground equipment. Includes equipment, power unit and labor costs.	Acre	\$4.44	1	\$4.44
Equipment/Installation	960	Seeding Operation, No Till/Grass Drill	No Till drill or grass drill for seeding. Includes equipment, power unit and labor costs.	Acre	\$14.57	1	\$14.57
Equipment/Installation	950	Fertilizer, ground application, dry bulk	Dry bulk fertilizer application performed by ground equipment. Includes equipment, power unit and labor costs.	Acre	\$7.15	1	\$7.15
Labor	231	General Labor	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	\$25.71	1	\$25.71
Foregone Income	1959	FI, Corn Dryland	Dryland Corn is Primary Crop	Acre	\$202.67	1	\$202.67

Scenario Worksheet

Practice and Scenario Description:

Information Type	Data
Region	New England
State	Connecticut
Discipline Group	Agronomy
Practice Code/Name	386 - Field Border
Scenario ID	6
Scenario Name	Field Border-Native
Scenario Description	A strip of permanent vegetation established at the edge or around the perimeter of a field. This practice may also apply to recreation land or other land uses where agronomic crops including forages are grown. Practice includes seedbed prep and planting of native species. The area of the field border is taken out of production.
Before Practice Situation	Before practice conditions may vary widely. Fields may have erosion issues from wind or water, a field border may be needed to manage pest populations, protect soil and water quality, provide wildlife food and cover, provide pollinator habitat, or a field border may be used to increase carbon storage and improve air quality. Water quality, soil erosion and/or wildlife food and cover may all be primary resource concerns.
After Practice Situation	This practice when applied around a field will support and connect other buffer practices within and between fields. Native grasses, legumes and forbs will be established around the field edges to the extent needed to meet the resource needs and producer objectives. Minimum field border widths shall be based on NRCS local design criteria specific to the purpose for installing the practice. Native species shall be selected that do not function as a host for diseases of a field crop and have physical characteristics necessary to control wind and water erosion to tolerable levels on the field border area.
Scenario Feature Measure	number of acres
Scenario Unit	Acre
Scenario Typical Size	1

Cost Summary:

Cost Category	Scenario Cost	Scenario Cost/Unit
Materials	\$273.54	\$273.54
Equipment/Installation	\$26.16	\$26.16
Labor	\$25.71	\$25.71
Mobilization	\$0.00	\$0.00
Acquisition of Technical Knowledge	\$0.00	\$0.00
Foregone Income	\$0.00	\$0.00
Total	\$325.41	\$325.41

Cost Details:

Cost Category	Component ID	Component Name	Component Description	Unit	Price (\$/unit)	Quantity	Cost
Materials	74	Potassium, K2O	K2O supplied by Muriate Of Potash. Price is not per pound of total product applied, no conversion is needed.	Pound	\$0.53	100	\$53.00
Materials	83	Wild Rye, Canada (Elymus canadensis)	Native Grasses and shipping.	Pound	\$9.32	5	\$46.60
Materials	82	Switchgrass, Blackwell (Panicum virgatum)	Native Grasses and shipping.	Pound	\$9.62	1	\$9.62
Materials	78	Indian Grass, Tomahawk (Sorghastrum nutans)	Native Grasses and shipping.	Pound	\$12.63	2	\$25.26
Materials	76	Big Blue Stem (Andropogon gerardii)	Native Grasses and shipping.	Pound	\$11.81	4	\$47.24
Materials	73	Phosphorus, P2O5	Price per pound of P2O5 supplied by Superphosphate. Price is not per pound of total product applied, no conversion is needed.	Pound	\$0.96	50	\$48.00
Materials	334	Herbicide, Glyphosate	A broad-spectrum, non-selective systemic herbicide. Product is typically used in these practices 340, 645, 314, 666, and 512. Refer to WIN-PST for product names and active ingredients. Materials only.	Acre	\$11.04	1	\$11.04
Materials	136	Purple Coneflower (Echinacea purpurea)	Native Forbs and shipping.	Pound	\$32.78	1	\$32.78
Equipment/Installation	948	Chemical, ground application	Chemical application performed by ground equipment. Includes equipment, power unit and labor costs.	Acre	\$4.44	1	\$4.44
Equipment/Installation	960	Seeding Operation, No Till/Grass Drill	No Till drill or grass drill for seeding. Includes equipment, power unit and labor costs.	Acre	\$14.57	1	\$14.57
Equipment/Installation	950	Fertilizer, ground application, dry bulk	Dry bulk fertilizer application performed by ground equipment. Includes equipment, power unit and labor costs.	Acre	\$7.15	1	\$7.15
Labor	231	General Labor	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	\$25.71	1	\$25.71

Scenario Worksheet

Practice and Scenario Description:

Information Type	Data
Region	New England
State	Connecticut
Discipline Group	Agronomy
Practice Code/Name	386 - Field Border
Scenario ID	1
Scenario Name	Field Border-Native, Inc Forgone
Scenario Description	A strip of permanent vegetation established at the edge or around the perimeter of a field. This practice may also apply to recreation land or other land uses where agronomic crops including forages are grown. Practice includes seedbed prep and planting of native species. The area of the field border is taken out of production of silage corn.
Before Practice Situation	Before practice conditions may vary widely. Fields may have erosion issues from wind or water, a field border may be needed to manage pest populations, protect soil and water quality, provide wildlife food and cover, provide pollinator habitat, or a field border may be used to increase carbon storage and improve air quality. Water quality, soil erosion and/or wildlife food and cover may all be primary resource concerns.
After Practice Situation	This practice when applied around a field will support and connect other buffer practices within and between fields. Native grasses, legumes and forbs will be established around the field edges to the extent needed to meet the resource needs and producer objectives. Minimum field border widths shall be based on NRCS local design criteria specific to the purpose for installing the practice. Native species shall be selected that do not function as a host for diseases of a field crop and have physical characteristics necessary to control wind and water erosion to tolerable levels on the field border area.
Scenario Feature Measure	number of acres
Scenario Unit	Acre
Scenario Typical Size	1

Cost Summary:

Cost Category	Scenario Cost	Scenario Cost/Unit
Materials	\$273.54	\$273.54
Equipment/Installation	\$26.16	\$26.16
Labor	\$25.71	\$25.71
Mobilization	\$0.00	\$0.00
Acquisition of Technical Knowledge	\$0.00	\$0.00
Foregone Income	\$202.67	\$202.67
Total	\$528.08	\$528.08

Cost Details:

Cost Category	Component ID	Component Name	Component Description	Unit	Price (\$/unit)	Quantity	Cost
Materials	74	Potassium, K2O	K2O supplied by Muriate Of Potash. Price is not per pound of total product applied, no conversion is needed.	Pound	\$0.53	100	\$53.00
Materials	83	Wild Rye, Canada (Elymus canadensis)	Native Grasses and shipping.	Pound	\$9.32	5	\$46.60
Materials	82	Switchgrass, Blackwell (Panicum virgatum)	Native Grasses and shipping.	Pound	\$9.62	1	\$9.62
Materials	78	Indian Grass, Tomahawk (Sorghastrum nutans)	Native Grasses and shipping.	Pound	\$12.63	2	\$25.26
Materials	76	Big Blue Stem (Andropogon gerardii)	Native Grasses and shipping.	Pound	\$11.81	4	\$47.24
Materials	73	Phosphorus, P2O5	Price per pound of P2O5 supplied by Superphosphate. Price is not per pound of total product applied, no conversion is needed.	Pound	\$0.96	50	\$48.00
Materials	334	Herbicide, Glyphosate	A broad-spectrum, non-selective systemic herbicide. Product is typically used in these practices 340, 645, 314, 666, and 512. Refer to WIN-PST for product names and active ingredients. Materials only.	Acre	\$11.04	1	\$11.04
Materials	136	Purple Coneflower (Echinacea purpurea)	Native Forbs and shipping.	Pound	\$32.78	1	\$32.78
Equipment/Installation	948	Chemical, ground application	Chemical application performed by ground equipment. Includes equipment, power unit and labor costs.	Acre	\$4.44	1	\$4.44
Equipment/Installation	960	Seeding Operation, No Till/Grass Drill	No Till drill or grass drill for seeding. Includes equipment, power unit and labor costs.	Acre	\$14.57	1	\$14.57
Equipment/Installation	950	Fertilizer, ground application, dry bulk	Dry bulk fertilizer application performed by ground equipment. Includes equipment, power unit and labor costs.	Acre	\$7.15	1	\$7.15
Labor	231	General Labor	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	\$25.71	1	\$25.71
Foregone Income	1959	FI, Corn Dryland	Dryland Corn is Primary Crop	Acre	\$202.67	1	\$202.67

Scenario Worksheet

Practice and Scenario Description:

Information Type	Data
Region	New England
State	Connecticut
Discipline Group	Agronomy
Practice Code/Name	386 - Field Border
Scenario ID	10
Scenario Name	Field Border-Organic Seed
Scenario Description	A strip of permanent vegetation established at the edge or around the perimeter of a field. This practice may also apply to recreation land or other land uses where agronomic crops including forages are grown. Practice includes seedbed prep and planting of organic seed for herbaceous species. The area of the field border is taken out of production.
Before Practice Situation	Before practice conditions may vary widely. Fields may have erosion issues from wind or water, a field border may be needed to manage pest populations, protect soil and water quality, provide wildlife food and cover, provide pollinator habitat, or a field border may be used to increase carbon storage and improve air quality. Water quality, soil erosion and/or wildlife food and cover may all be primary resource concerns.
After Practice Situation	This practice when applied around a field will support and connect other buffer practices while creating a buffer between organic systems and conventional cropping systems. Organic grasses and legumes will be established around the field edges to the extent needed to meet the resource needs and producer objectives. Minimum field border widths shall be based on NRCS local design criteria specific to the purpose for installing the practice. Species selected shall be adapted to site, not function as a host for diseases of a field crop and have physical characteristics necessary to control wind and water erosion to tolerable levels on the field border area.
Scenario Feature Measure	Number of Acres
Scenario Unit	Acre
Scenario Typical Size	1

Cost Summary:

Cost Category	Scenario Cost	Scenario Cost/Unit
Materials	\$470.35	\$470.35
Equipment/Installation	\$55.14	\$55.14
Labor	\$25.71	\$25.71
Mobilization	\$0.00	\$0.00
Acquisition of Technical Knowledge	\$0.00	\$0.00
Foregone Income	\$0.00	\$0.00
Total	\$551.20	\$551.20

Cost Details:

Cost Category	Component ID	Component Name	Component Description	Unit	Price (\$/unit)	Quantity	Cost
Materials	267	Phosphorus, Organic	ORGANIC Phosphorus	Pound	\$3.03	50	\$151.50
Materials	268	Potassium, Organic	ORGANIC Potassium	Pound	\$1.34	100	\$134.00
Materials	266	Nitrogen, Organic	ORGANIC Nitrogen	Pound	\$2.53	50	\$126.50
Materials	102	Certified Organic, Smooth Bromegrass (Bromus inermis)	Introduced Perennial Grasses and shipping.	Pound	\$4.41	3	\$13.23
Materials	103	Certified Organic, Timothy (Phleum pratense)	Introduced Perennial Grasses and shipping.	Pound	\$3.00	3	\$9.00
Materials	116	Certified Organic, Ladino Clover (Trifolium repens)	Introduced Legumes and shipping.	Pound	\$3.58	3	\$10.74
Materials	117	Certified Organic, Red Clover (Trifolium pratense)	Introduced Legumes and shipping.	Pound	\$8.46	3	\$25.38
Equipment/Installation	945	Tillage, Light	Includes light disking (tandem) or field cultivator. Includes equipment, power unit and labor costs.	Acre	\$9.13	2	\$18.26
Equipment/Installation	946	Tillage, Primary	Includes heavy disking (offset) or chisel plow. Includes equipment, power unit and labor costs.	Acre	\$15.16	1	\$15.16
Equipment/Installation	960	Seeding Operation, No Till/Grass Drill	No Till drill or grass drill for seeding. Includes equipment, power unit and labor costs.	Acre	\$14.57	1	\$14.57
Equipment/Installation	950	Fertilizer, ground application, dry bulk	Dry bulk fertilizer application performed by ground equipment. Includes equipment, power unit and labor costs.	Acre	\$7.15	1	\$7.15
Labor	231	General Labor	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	\$25.71	1	\$25.71

Scenario Worksheet

Practice and Scenario Description:

Information Type	Data
Region	New England
State	Connecticut
Discipline Group	Agronomy
Practice Code/Name	386 - Field Border
Scenario ID	5
Scenario Name	Field Border-Organic Seed, Inc Forgone
Scenario Description	A strip of permanent vegetation established at the edge or around the perimeter of a field. This practice may also apply to recreation land or other land uses where agronomic crops including forages are grown. Practice includes seedbed prep and planting of organic seed for herbaceous species. The area of the field border is taken out of production of silage corn.
Before Practice Situation	Before practice conditions may vary widely. Fields may have erosion issues from wind or water, a field border may be needed to manage pest populations, protect soil and water quality, provide wildlife food and cover, provide pollinator habitat, or a field border may be used to increase carbon storage and improve air quality. Water quality, soil erosion and/or wildlife food and cover may all be primary resource concerns.
After Practice Situation	This practice when applied around a field will support and connect other buffer practices while creating a buffer between organic systems and conventional cropping systems. Organic grasses and legumes will be established around the field edges to the extent needed to meet the resource needs and producer objectives. Minimum field border widths shall be based on NRCS local design criteria specific to the purpose for installing the practice. Species selected shall be adapted to site, not function as a host for diseases of a field crop and have physical characteristics necessary to control wind and water erosion to tolerable levels on the field border area.
Scenario Feature Measure	Number of Acres
Scenario Unit	Acre
Scenario Typical Size	1

Cost Summary:

Cost Category	Scenario Cost	Scenario Cost/Unit
Materials	\$470.35	\$470.35
Equipment/Installation	\$55.14	\$55.14
Labor	\$25.71	\$25.71
Mobilization	\$0.00	\$0.00
Acquisition of Technical Knowledge	\$0.00	\$0.00
Foregone Income	\$202.67	\$202.67
Total	\$753.87	\$753.87

Cost Details:

Cost Category	Component ID	Component Name	Component Description	Unit	Price (\$/unit)	Quantity	Cost
Materials	267	Phosphorus, Organic	ORGANIC Phosphorus	Pound	\$3.03	50	\$151.50
Materials	268	Potassium, Organic	ORGANIC Potassium	Pound	\$1.34	100	\$134.00
Materials	266	Nitrogen, Organic	ORGANIC Nitrogen	Pound	\$2.53	50	\$126.50
Materials	102	Certified Organic, Smooth Bromegrass (Bromus inermis)	Introduced Perennial Grasses and shipping.	Pound	\$4.41	3	\$13.23
Materials	103	Certified Organic, Timothy (Phleum pratense)	Introduced Perennial Grasses and shipping.	Pound	\$3.00	3	\$9.00
Materials	116	Certified Organic, Ladino Clover (Trifolium repens)	Introduced Legumes and shipping.	Pound	\$3.58	3	\$10.74
Materials	117	Certified Organic, Red Clover (Trifolium pratense)	Introduced Legumes and shipping.	Pound	\$8.46	3	\$25.38
Equipment/Installation	945	Tillage, Light	Includes light disking (tandem) or field cultivator. Includes equipment, power unit and labor costs.	Acre	\$9.13	2	\$18.26
Equipment/Installation	946	Tillage, Primary	Includes heavy disking (offset) or chisel plow. Includes equipment, power unit and labor costs.	Acre	\$15.16	1	\$15.16
Equipment/Installation	960	Seeding Operation, No Till/Grass Drill	No Till drill or grass drill for seeding. Includes equipment, power unit and labor costs.	Acre	\$14.57	1	\$14.57
Equipment/Installation	950	Fertilizer, ground application, dry bulk	Dry bulk fertilizer application performed by ground equipment. Includes equipment, power unit and labor costs.	Acre	\$7.15	1	\$7.15
Labor	231	General Labor	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	\$25.71	1	\$25.71
Foregone Income	1959	FI, Corn Dryland	Dryland Corn is Primary Crop	Acre	\$202.67	1	\$202.67

Scenario Worksheet

Practice and Scenario Description:

Information Type	Data
Region	New England
State	Connecticut
Discipline Group	Agronomy
Practice Code/Name	386 - Field Border
Scenario ID	8
Scenario Name	Field Border-Pollinator
Scenario Description	A strip of permanent vegetation established at the edge or around the perimeter of a field. This practice may also apply to recreation land or other land uses where agronomic crops including forages are grown. Practice includes seedbed prep and planting of pollinator friendly species. The area of the field border is taken out of production.
Before Practice Situation	Before practice conditions may vary widely. Fields may have erosion issues from wind or water, a field border may be needed to manage pest populations, protect soil and water quality, provide wildlife food and cover, provide pollinator habitat, or a field border may be used to increase carbon storage and improve air quality. Water quality, soil erosion and/or wildlife food and cover may all be primary resource concerns.
After Practice Situation	This practice when applied around a field will support and connect other buffer practices within and between fields. Pollinator herbaceous plantings will provide plants which flower throughout the growing season. This provides a source of nectar for adult pollinators and a diversity of herbaceous material for immature pollinator life stages and for nesting. Minimum field border widths shall be based on NRCS local design criteria specific to the purpose for installing the practice. Species selected shall meet the pollinator habitat requirements of the state and be adapted to site, not function as a host for diseases of a field crop and have physical characteristics necessary to control wind and water erosion to tolerable levels on the field border area.
Scenario Feature Measure	Number of acres
Scenario Unit	Acre
Scenario Typical Size	1

Cost Summary:

Cost Category	Scenario Cost	Scenario Cost/Unit
Materials	\$479.84	\$479.84
Equipment/Installation	\$19.01	\$19.01
Labor	\$308.52	\$308.52
Mobilization	\$0.00	\$0.00
Acquisition of Technical Knowledge	\$0.00	\$0.00
Foregone Income	\$0.00	\$0.00
Total	\$807.37	\$807.37

Cost Details:

Cost Category	Component ID	Component Name	Component Description	Unit	Price (\$/unit)	Quantity	Cost
Materials	144	Wild Begamot (Monarda fistulosa)	Native Forbs and shipping.	Pound	\$212.42	0.082	\$17.42
Materials	143	Lupine (Lupinus perennis)	Native Forbs and shipping.	Pound	\$98.44	0.052	\$5.12
Materials	142	Dense Blazing Star (Liatris spicata)	Native Forbs and shipping.	Pound	\$174.95	0.871	\$152.38
Materials	151	Stiff Goldenrod (Solidago rigida)	Native Forbs and shipping.	Pound	\$143.45	0.051	\$7.32
Materials	136	Purple Coneflower (Echinacea purpurea)	Native Forbs and shipping.	Pound	\$32.78	0.904	\$29.63
Materials	148	Black-Eyed Susan (Rudbeckia hirta)	Native Forbs and shipping.	Pound	\$33.55	0.055	\$1.85
Materials	134	New England Aster (Aster novae-angliae)	Native Forbs and shipping.	Pound	\$335.30	0.08	\$26.82
Materials	1515	Tree, conifer, seedling, bare root, 3-0	Bare root conifer trees, 3-0 (3 years old). Materials only.	Each	\$0.43	50	\$21.50
Materials	334	Herbicide, Glyphosate	A broad-spectrum, non-selective systemic herbicide. Product is typically used in these practices 340, 645, 314, 666, and 512. Refer to WIN-PST for product names and active ingredients. Materials only.	Acre	\$11.04	1	\$11.04
Materials	133	Smooth Aster (Aster laevis)	Native Forbs and shipping.	Pound	\$217.74	0.109	\$23.73
Materials	83	Wild Rye, Canada (Elymus canadensis)	Native Grasses and shipping.	Pound	\$9.32	2	\$18.64
Materials	79	Little Blue Stem (Schizachyrium scoparium)	Native Grasses and shipping.	Pound	\$15.43	5.3	\$81.78
Materials	119	Blue Wild Indigo (Baptisia australis)	Native Legumes and shipping.	Pound	\$156.45	0.528	\$82.61
Equipment/Installation	948	Chemical, ground application	Chemical application performed by ground equipment. Includes equipment, power unit and labor costs.	Acre	\$4.44	1	\$4.44
Equipment/Installation	960	Seeding Operation, No Till/Grass Drill	No Till drill or grass drill for seeding. Includes equipment, power unit and labor costs.	Acre	\$14.57	1	\$14.57
Labor	231	General Labor	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	\$25.71	12	\$308.52

Scenario Worksheet

Practice and Scenario Description:

Information Type	Data
Region	New England
State	Connecticut
Discipline Group	Agronomy
Practice Code/Name	386 - Field Border
Scenario ID	3
Scenario Name	Field Border-Pollinator, Inc Forgone
Scenario Description	A strip of permanent vegetation established at the edge or around the perimeter of a field. This practice may also apply to recreation land or other land uses where agronomic crops including forages are grown. Practice includes seedbed prep and planting of pollinator friendly herbaceous species. The area of the field border is taken out of production of silage corn.
Before Practice Situation	Before practice conditions may vary widely. Fields may have erosion issues from wind or water, a field border may be needed to manage pest populations, protect soil and water quality, provide wildlife food and cover, provide pollinator habitat, or a field border may be used to increase carbon storage and improve air quality. Water quality, soil erosion and/or wildlife food and cover may all be primary resource concerns.
After Practice Situation	This practice when applied around a field will support and connect other buffer practices within and between fields. Pollinator herbaceous plantings will provide species which flower throughout the growing season. This provides a source of nectar for adult pollinators and a diversity of herbaceous material for immature pollinator life stages and for nesting. Minimum field border widths shall be based on NRCS local design criteria specific to the purpose for installing the practice. Species selected shall meet the pollinator habitat requirements of the state and be adapted to site; not function as a host for diseases of a field crop and; have physical characteristics necessary to control wind and water erosion to tolerable levels on the field border area.
Scenario Feature Measure	Number of acres
Scenario Unit	Acre
Scenario Typical Size	1

Cost Summary:

Cost Category	Scenario Cost	Scenario Cost/Unit
Materials	\$668.21	\$668.21
Equipment/Installation	\$19.01	\$19.01
Labor	\$308.52	\$308.52
Mobilization	\$0.00	\$0.00
Acquisition of Technical Knowledge	\$0.00	\$0.00
Foregone Income	\$202.67	\$202.67
Total	\$1,198.41	\$1,198.41

Cost Details:

Cost Category	Component ID	Component Name	Component Description	Unit	Price (\$/unit)	Quantity	Cost
Materials	1515	Tree, conifer, seedling, bare root, 3-0	Bare root conifer trees, 3-0 (3 years old). Materials only.	Each	\$0.43	50	\$21.50
Materials	83	Wild Rye, Canada (Elymus canadensis)	Native Grasses and shipping.	Pound	\$9.32	2	\$18.64
Materials	79	Little Blue Stem (Schizachyrium scoparium)	Native Grasses and shipping.	Pound	\$15.43	5.3	\$81.78
Materials	142	Dense Blazing Star (Liatris spicata)	Native Forbs and shipping.	Pound	\$174.95	0.5	\$87.48
Materials	151	Stiff Goldenrod (Solidago rigida)	Native Forbs and shipping.	Pound	\$143.45	0.5	\$71.73
Materials	148	Black-Eyed Susan (Rudbeckia hirta)	Native Forbs and shipping.	Pound	\$33.55	1	\$33.55
Materials	144	Wild Begamot (Monarda fistulosa)	Native Forbs and shipping.	Pound	\$212.42	0.4	\$84.97
Materials	334	Herbicide, Glyphosate	A broad-spectrum, non-selective systemic herbicide. Product is typically used in these practices 340, 645, 314, 666, and 512. Refer to WIN-PST for product names and active ingredients. Materials only.	Acre	\$11.04	1	\$11.04
Materials	136	Purple Coneflower (Echinacea purpurea)	Native Forbs and shipping.	Pound	\$32.78	1.5	\$49.17
Materials	134	New England Aster (Aster novae-angliae)	Native Forbs and shipping.	Pound	\$335.30	0.1	\$33.53
Materials	133	Smooth Aster (Aster laevis)	Native Forbs and shipping.	Pound	\$217.74	0.3	\$65.32
Materials	119	Blue Wild Indigo (Baptisia australis)	Native Legumes and shipping.	Pound	\$156.45	0.7	\$109.52
Equipment/Installation	948	Chemical, ground application	Chemical application performed by ground equipment. Includes equipment, power unit and labor costs.	Acre	\$4.44	1	\$4.44
Equipment/Installation	960	Seeding Operation, No Till/Grass Drill	No Till drill or grass drill for seeding. Includes equipment, power unit and labor costs.	Acre	\$14.57	1	\$14.57
Labor	231	General Labor	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	\$25.71	12	\$308.52
Foregone Income	1959	Fl, Corn Dryland	Dryland Corn is Primary Crop	Acre	\$202.67	1	\$202.67

Scenario Worksheet

Practice and Scenario Description:

Information Type	Data
Region	New England
State	Connecticut
Discipline Group	Agronomy
Practice Code/Name	386 - Field Border
Scenario ID	9
Scenario Name	Field Border-Tree, Inc. Forgone
Scenario Description	A strip of permanent vegetation and trees established at the edge or around the perimeter of a field. This practice may also apply to recreation land or other land uses where agronomic crops including forages are grown. Practice includes seedbed prep and planting of herbaceous and woody species. The area of the field border is taken out of production.
Before Practice Situation	Before practice conditions may vary widely. Fields may have erosion issues from wind or water, a field border may be needed to manage pest populations, protect soil and water quality, provide wildlife food and cover, provide pollinator habitat, or a field border may be used to increase carbon storage and improve air quality. Water quality, soil erosion and/or wildlife food and cover may all be primary resource concerns.
After Practice Situation	This practice when applied around a field will support and connect other buffer practices within and between fields. Herbaceous plantings will be established to meet Field Border specifications and in addition trees will be established around the field edges to the extent needed to meet the resource needs and producer objectives. Minimum field border widths shall be based on NRCS local design criteria specific to the purpose for installing the practice. Tree species selected shall be adapted to site, not function as a host for diseases of a field crop and have physical characteristics necessary to control wind and water erosion to tolerable levels on the field border area.
Scenario Feature Measure	Number of Acres
Scenario Unit	Acre
Scenario Typical Size	1

Cost Summary:

Cost Category	Scenario Cost	Scenario Cost/Unit
Materials	\$468.80	\$468.80
Equipment/Installation	\$53.94	\$53.94
Labor	\$308.52	\$308.52
Mobilization	\$0.00	\$0.00
Acquisition of Technical Knowledge	\$0.00	\$0.00
Foregone Income	\$0.00	\$0.00
Total	\$831.26	\$831.26

Cost Details:

Cost Category	Component ID	Component Name	Component Description	Unit	Price (\$/unit)	Quantity	Cost
Materials	144	Wild Begamot (Monarda fistulosa)	Native Forbs and shipping.	Pound	\$212.42	0.082	\$17.42
Materials	143	Lupine (Lupinus perennis)	Native Forbs and shipping.	Pound	\$98.44	0.052	\$5.12
Materials	142	Dense Blazing Star (Liatris spicata)	Native Forbs and shipping.	Pound	\$174.95	0.871	\$152.38
Materials	151	Stiff Goldenrod (Solidago rigida)	Native Forbs and shipping.	Pound	\$143.45	0.051	\$7.32
Materials	136	Purple Coneflower (Echinacea purpurea)	Native Forbs and shipping.	Pound	\$32.78	0.904	\$29.63
Materials	148	Black-Eyed Susan (Rudbeckia hirta)	Native Forbs and shipping.	Pound	\$33.55	0.055	\$1.85
Materials	134	New England Aster (Aster novae-angliae)	Native Forbs and shipping.	Pound	\$335.30	0.08	\$26.82
Materials	1515	Tree, conifer, seedling, bare root, 3-0	Bare root conifer trees, 3-0 (3 years old). Materials only.	Each	\$0.43	50	\$21.50
Materials	133	Smooth Aster (Aster laevis)	Native Forbs and shipping.	Pound	\$217.74	0.109	\$23.73
Materials	83	Wild Rye, Canada (Elymus canadensis)	Native Grasses and shipping.	Pound	\$9.32	2	\$18.64
Materials	79	Little Blue Stem (Schizachyrium scoparium)	Native Grasses and shipping.	Pound	\$15.43	5.3	\$81.78
Materials	119	Blue Wild Indigo (Baptisia australis)	Native Legumes and shipping.	Pound	\$156.45	0.528	\$82.61
Equipment/Installation	946	Tillage, Primary	Includes heavy disking (offset) or chisel plow. Includes equipment, power unit and labor costs.	Acre	\$15.16	1	\$15.16
Equipment/Installation	945	Tillage, Light	Includes light disking (tandem) or field cultivator. Includes equipment, power unit and labor costs.	Acre	\$9.13	2	\$18.26
Equipment/Installation	959	Seeding Operation, Broadcast, Ground	Broadcast seed via ground operation. May require post tillage operation to incorporate seed. Includes equipment, power unit and labor costs.	Acre	\$20.52	1	\$20.52
Labor	231	General Labor	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	\$25.71	12	\$308.52

Scenario Worksheet

Practice and Scenario Description:

Information Type	Data
Region	New England
State	Connecticut
Discipline Group	Agronomy
Practice Code/Name	386 - Field Border
Scenario ID	4
Scenario Name	Field Border-Tree, Inc. Foregone
Scenario Description	A strip of permanent vegetation and trees established at the edge or around the perimeter of a field. This practice may also apply to recreation land or other land uses where agronomic crops including forages are grown. Practice includes seedbed prep and planting of herbaceous and woody species. The area of the field border is taken out of production of silage corn.
Before Practice Situation	Before practice conditions may vary widely. Fields may have erosion issues from wind or water, a field border may be needed to manage pest populations, protect soil and water quality, provide wildlife food and cover, provide pollinator habitat, or a field border may be used to increase carbon storage and improve air quality. Water quality, soil erosion and/or wildlife food and cover may all be primary resource concerns.
After Practice Situation	This practice when applied around a field will support and connect other buffer practices within and between fields. Herbaceous plantings will be established to meet Field Border specifications and in addition trees will be established around the field edges to the extent needed to meet the resource needs and producer objectives. Minimum field border widths shall be based on NRCS local design criteria specific to the purpose for installing the practice. Tree species selected shall be adapted to site, not function as a host for diseases of a field crop and have physical characteristics necessary to control wind and water erosion to tolerable levels on the field border area.
Scenario Feature Measure	Number of Acres
Scenario Unit	Acre
Scenario Typical Size	1

Cost Summary:

Cost Category	Scenario Cost	Scenario Cost/Unit
Materials	\$657.17	\$657.17
Equipment/Installation	\$53.94	\$53.94
Labor	\$308.52	\$308.52
Mobilization	\$0.00	\$0.00
Acquisition of Technical Knowledge	\$0.00	\$0.00
Foregone Income	\$202.67	\$202.67
Total	\$1,222.30	\$1,222.30

Cost Details:

Cost Category	Component ID	Component Name	Component Description	Unit	Price (\$/unit)	Quantity	Cost
Materials	1515	Tree, conifer, seedling, bare root, 3-0	Bare root conifer trees, 3-0 (3 years old). Materials only.	Each	\$0.43	50	\$21.50
Materials	83	Wild Rye, Canada (Elymus canadensis)	Native Grasses and shipping.	Pound	\$9.32	2	\$18.64
Materials	79	Little Blue Stem (Schizachyrium scoparium)	Native Grasses and shipping.	Pound	\$15.43	5.3	\$81.78
Materials	142	Dense Blazing Star (Liatris spicata)	Native Forbs and shipping.	Pound	\$174.95	0.5	\$87.48
Materials	151	Stiff Goldenrod (Solidago rigida)	Native Forbs and shipping.	Pound	\$143.45	0.5	\$71.73
Materials	148	Black-Eyed Susan (Rudbeckia hirta)	Native Forbs and shipping.	Pound	\$33.55	1	\$33.55
Materials	144	Wild Begamot (Monarda fistulosa)	Native Forbs and shipping.	Pound	\$212.42	0.4	\$84.97
Materials	136	Purple Coneflower (Echinacea purpurea)	Native Forbs and shipping.	Pound	\$32.78	1.5	\$49.17
Materials	134	New England Aster (Aster novae-angliae)	Native Forbs and shipping.	Pound	\$335.30	0.1	\$33.53
Materials	133	Smooth Aster (Aster laevis)	Native Forbs and shipping.	Pound	\$217.74	0.3	\$65.32
Materials	119	Blue Wild Indigo (Baptisia australis)	Native Legumes and shipping.	Pound	\$156.45	0.7	\$109.52
Equipment/Installation	959	Seeding Operation, Broadcast, Ground	Broadcast seed via ground operation. May require post tillage operation to incorporate seed. Includes equipment, power unit and labor costs.	Acre	\$20.52	1	\$20.52
Equipment/Installation	945	Tillage, Light	Includes light disking (tandem) or field cultivator. Includes equipment, power unit and labor costs.	Acre	\$9.13	2	\$18.26
Equipment/Installation	946	Tillage, Primary	Includes heavy disking (offset) or chisel plow. Includes equipment, power unit and labor costs.	Acre	\$15.16	1	\$15.16
Labor	231	General Labor	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	\$25.71	12	\$308.52
Foregone Income	1959	FI, Corn Dryland	Dryland Corn is Primary Crop	Acre	\$202.67	1	\$202.67