

**Practice:** 645 - Upland Wildlife Habitat Management

**Scenario:** #1 - Habitat Monitoring and Management, Very-Low Intensity and Complexity

**Scenario Description:** This scenario is applied to all landuse types including those with wildlife as a modifier, where any resource concern is identified for wildlife, and where very-low intensity and complexity of monitoring or management will treat the identified resource concern. Only 1-2 monitoring efforts are needed and each requiring less than 2 people and 4 hours per effort. The adaptive management actions such as cutting of limbs that are impeding access of birds into nest boxes, replacing damaged fence markers, cleaning of nest structures and debris around other structures requires only hand labor and less than 16 hours of labor per year.

**Before Situation:** Wildlife habitat is deficient due to the absence of annual monitoring and adaptive management actions of very-low intensity and complexity.

**After Situation:** Wildlife habitat is improved by implementation of annual adaptive management actions of very- low intensity and complexity.

**Scenario Feature Measure:** Monitoring efforts and adaptive management actions

**Scenario Unit:** Acre

**Scenario Typical Size:** 640

**Total Scenario Cost:** \$666.71

**Scenario Cost/Unit:** \$1.04

**Cost Details**

Component Name	Id	Description	Unit	Cost	Qty	Total
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**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	\$23.74	10	\$237.36
Specialist Labor	235	Labor requiring a specialized skill set: Includes Agronomists, Foresters, Biologists, etc. to provide additional technical information during the planning and implementation of the practice. Does not include NRCS or TSP services.	Hour	\$102.74	3	\$308.23

**Equipment Installation**

Chainsaw	937	Equipment and power unit costs. Labor not included.	Hour	\$4.30	2	\$8.61
Rangeland/grassland field monitoring kit	967	Miscellaneous tools needed to complete rangeland/grassland monitoring. Materials may include camera, clippers, plot frame, scale, tape measure, etc. Includes materials and shipping only.	Each	\$48.10	1	\$48.10
Truck, Pickup	939	Equipment and power unit costs. Labor not included.	Hour	\$21.47	3	\$64.41

**Practice:** 645 - Upland Wildlife Habitat Management

**Scenario:** #2 - Habitat Monitoring and Management, Low Intensity and Complexity

**Scenario Description:** This scenario is applied to all landuse types including those with wildlife as a modifier, where any resource concern is identified for wildlife, and where low intensity and complexity of monitoring or management will treat the identified resource concern. Only 1-2 monitoring efforts are needed and each requiring less than 2 people and 4 hours per effort. The adaptive management actions such as cutting of limbs that are impeding access of birds into nest boxes, replacing damaged fence markers, cleaning of nest structures and debris around other structures requires only hand labor and less than 8 hours labor per year.

**Before Situation:** Wildlife habitat is deficient due to the absence of annual monitoring and adaptive management actions of low intensity and complexity.

**After Situation:** Wildlife habitat is improved by implementation of annual adaptive management actions of low intensity and complexity.

**Scenario Feature Measure:** Monitoring efforts and adaptive management actions

**Scenario Unit:** Acre

**Scenario Typical Size:** 160

**Total Scenario Cost:** \$558.99

**Scenario Cost/Unit:** \$3.49

**Cost Details**

Component Name	Id	Description	Unit	Cost	Qty	Total
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**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	\$23.74	7	\$166.15
Specialist Labor	235	Labor requiring a specialized skill set: Includes Agronomists, Foresters, Biologists, etc. to provide additional technical information during the planning and implementation of the practice. Does not include NRCS or TSP services.	Hour	\$102.74	3	\$308.23

**Equipment Installation**

Chainsaw	937	Equipment and power unit costs. Labor not included.	Hour	\$4.30	1	\$4.30
Rangeland/grassland field monitoring kit	967	Miscellaneous tools needed to complete rangeland/grassland monitoring. Materials may include camera, clippers, plot frame, scale, tape measure, etc. Includes materials and shipping only.	Each	\$48.10	1	\$48.10
Truck, Pickup	939	Equipment and power unit costs. Labor not included.	Hour	\$21.47	1.5	\$32.21

**Practice:** 645 - Upland Wildlife Habitat Management

**Scenario:** #3 - Habitat Monitoring and Management, Medium Intensity and Complexity

**Scenario Description:** This scenario is applied to all landuse types including those with wildlife as a modifier, where any resource concern is identified for wildlife, and where medium intensity and complexity of monitoring or management will treat the identified resource concern. Two or three monitoring efforts are needed and each requiring less than 2 people and less than 8 hours per effort. Two or three adaptive management efforts are required (such as cutting of limbs that are impeding access of birds into nest boxes, replacing damaged fence markers, cleaning of nest structures and debris around other structures). The adaptive mgmt requires hand labor and the occasional use of light equipment. A crew of 2 is needed for the hand labor efforts and the crew will require less than 16 total hours of labor per mgmt effort. Mowing of roads and trail is required to provide access for monitoring and management.

**Before Situation:** Wildlife habitat is deficient due to the absence of annual monitoring and adaptive management actions of medium intensity and complexity.

**After Situation:** Wildlife habitat is improved by implementation of annual adaptive management actions of medium intensity and complexity.

**Scenario Feature Measure:** Monitoring efforts and adaptive management actions

**Scenario Unit:** Acre

**Scenario Typical Size:** 160

**Total Scenario Cost:** \$2,071.90

**Scenario Cost/Unit:** \$12.95

**Cost Details**

Component Name	Id	Description	Unit	Cost	Qty	Total
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**Labor**

Equipment Operators, Light	232	Includes: Skid Steer Loaders, Hydraulic Excavators <50 HP, Trenchers <12", Ag Equipment <150 HP, Pickup Trucks, Forklifts, Mulchers	Hour	\$23.96	5	\$119.81
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	\$23.74	20	\$474.73
Specialist Labor	235	Labor requiring a specialized skill set: Includes Agronomists, Foresters, Biologists, etc. to provide additional technical information during the planning and implementation of the practice. Does not include NRCS or TSP services.	Hour	\$102.74	10	\$1,027.42

**Equipment Installation**

Chainsaw	937	Equipment and power unit costs. Labor not included.	Hour	\$4.30	4	\$17.22
Mower, Bush Hog	940	Equipment and power unit costs. Labor not included.	Hour	\$51.16	5	\$255.80
Rangeland/grassland field monitoring kit	967	Miscellaneous tools needed to complete rangeland/grassland monitoring. Materials may include camera, clippers, plot frame, scale, tape measure, etc. Includes materials and shipping only.	Each	\$48.10	1	\$48.10
Truck, Pickup	939	Equipment and power unit costs. Labor not included.	Hour	\$21.47	6	\$128.83

**Practice:** 645 - Upland Wildlife Habitat Management

**Scenario:** #4 - Habitat Monitoring and Management, High Intensity and Complexity

**Scenario Description:** This scenario is applied to all landuse types including those with wildlife as a modifier, where any resource concern is identified for wildlife, and where high intensity and complexity of monitoring or management will treat the identified resource concern. Two - four monitoring efforts are needed and each requiring less than 2 people and less than 8 hours per effort. The adaptive management actions (2 - 5 efforts) such as cutting of limbs that are impeding access of birds into nest boxes, replacing damaged fence markers, cleaning of nest structures and debris around other structures requires hand labor and light equipment, requiring a 2-person crew less than 1 day per effort.

**Before Situation:** Wildlife habitat is deficient due to the absence of annual monitoring and adaptive management actions of high intensity and complexity.

**After Situation:** Wildlife habitat is improved by implementation of annual adaptive management actions of high intensity and complexity.

**Scenario Feature Measure:** Monitoring efforts and adaptive management actions

**Scenario Unit:** Acre

**Scenario Typical Size:** 80

**Total Scenario Cost:** \$2,547.02

**Scenario Cost/Unit:** \$31.84

**Cost Details**

Component Name	Id	Description	Unit	Cost	Qty	Total
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**Labor**

Equipment Operators, Heavy	233	Includes: Cranes, Hydraulic Excavators >=50 HP, Dozers, Paving Machines, Rock Trenchers, Trenchers >=12", Dump Trucks, Ag Equipment >=150 HP, Scrapers, Water Wagons.	Hour	\$39.93	4	\$159.74
Equipment Operators, Light	232	Includes: Skid Steer Loaders, Hydraulic Excavators <50 HP, Trenchers <12", Ag Equipment <150 HP, Pickup Trucks, Forklifts, Mulchers	Hour	\$23.96	3	\$71.89
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	\$23.74	20	\$474.73
Specialist Labor	235	Labor requiring a specialized skill set: Includes Agronomists, Foresters, Biologists, etc. to provide additional technical information during the planning and implementation of the practice. Does not include NRCS or TSP services.	Hour	\$102.74	10	\$1,027.42

**Equipment Installation**

Chainsaw	937	Equipment and power unit costs. Labor not included.	Hour	\$4.30	8	\$34.43
Hydraulic Excavator, 1 CY	931	Track mounted hydraulic excavator with bucket capacity range of 0.8 to 1.5 CY. Equipment and power unit costs. Labor not included.	Hour	\$112.10	4	\$448.41
Mower, Bush Hog	940	Equipment and power unit costs. Labor not included.	Hour	\$51.16	3	\$153.48
Rangeland/grassland field monitoring kit	967	Miscellaneous tools needed to complete rangeland/grassland monitoring. Materials may include camera, clippers, plot frame, scale, tape measure, etc. Includes materials and shipping only.	Each	\$48.10	1	\$48.10
Truck, Pickup	939	Equipment and power unit costs. Labor not included.	Hour	\$21.47	6	\$128.83

**Practice:** 645 - Upland Wildlife Habitat Management

**Scenario:** #5 - Development of Shallow Micro-Topographic Features with Normal Farming Equipment.

**Scenario Description:** This typical scenario is installed on open non-wetlands. The purpose is to increase plant species richness and diversity, create micro-habitats for invertebrates, increase water infiltration and reduce run-off. The area is plowed to loosen the soil. Then the soil is excavated with normal farming equipment (e.g. tractor and box-blade) to a depth of 2-6 inches and immediately deposited. This lowering and raising of a box-blade restores the original micro-topographic features (6' X 6' depressions and mounds) common to most landscapes and landforms prior to clearing, tilling, and annual mowing. Restoration of shallow but frequent micro-topographic features has been lost by the smoothing action of tillage, mowing and the original land-clearing. This scenario is typically implemented for ecosystem restoration projects such as prairie restoration and range-land restoration, and particularly on moderately well-drained soils.

**Before Situation:** Micro-topographic features have been eliminated by past conversion to agriculture and/or past cultural practices. This has resulted in the lack of micro-soil moisture gradients within the field. The opportunity for plant species richness and diversity is minimal. Water storage potential is absent. Water rapidly runs off the field after rains and snow melt, carrying nutrients, solids and surface organic materials. No micro-ponding sites are available for invertebrate use.

**After Situation:** Shallow micro-depressions and mounds are numerous. This varied micro-topographic features provided varied moisture gradients required for high plant species richness and diversity. Wildlife habitat is improved. Water conservation is increased, increasing vegetative production. Water quality is improved as the micro-depressions capture sediments, nutrients and manure. Over time, the micro-depressions become more nutrient rich than the micro-highs, further increasing plant species richness.

**Scenario Feature Measure:** hours of tractor use

**Scenario Unit:** Acre

**Scenario Typical Size:** 20

**Total Scenario Cost:** \$812.28

**Scenario Cost/Unit:** \$40.61

**Cost Details**

Component Name	Id	Description	Unit	Cost	Qty	Total
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**Labor**

Equipment Operators, Light	232	Includes: Skid Steer Loaders, Hydraulic Excavators <50 HP, Trenchers <12", Ag Equipment <150 HP, Pickup Trucks, Forklifts, Mulchers	Hour	\$23.96	6	\$143.78
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**Equipment Installation**

Tillage, Primary	946	Includes heavy disking (offset) or chisel plow. Includes equipment, power unit and labor costs.	Acre	\$16.36	20	\$327.29
Tractor, agricultural, 120 HP	962	Agricultural tractor with horsepower range of 90 to 140. Equipment and power unit costs. Labor not included.	Hour	\$56.87	6	\$341.21

**Practice:** 645 - Upland Wildlife Habitat Management

**Scenario:** #6 - Development of Deep Micro-Topographic Features with Heavy Equipment.

**Scenario Description:** This typical scenario is installed on open non-wetlands, where micro-topographic features have been removed by past farming and/or ranching cultural practices. The purpose is to increase plant species richness and diversity, create micro-habitats for invertebrates, increase water infiltration and reduce run-off. The area is plowed 2 weeks prior to excavation to kill existing vegetation and allow for proper dirt work. Then the soil is excavated with track equipment (dozer) to a depth of 6-12 inches and immediately deposited. This lowering and raising of a dozer -blade restores the original deep micro-topographic features (10' X10' depressions and mounds) common to many landscapes and landforms prior to the lands conversion to agricultural lands. This scenario it typically implemented for ecosystem restoration projects such as wetland restoration (herbaceous or prior to planting of woody species), prairie restoration and range-land restoration. It is most commonly applied to well-drained soils as the purpose is for the micro-depression to pond water for short duration (less than 7 days).

**Before Situation:** Micro-topographic features have been eliminated by past conversion to agriculture and/or past cultural practices. This has resulted in the lack of micro-soil moisture gradients within the field. The opportunity for plant species richness and diversity is minimal. Water storage potential is absent. Water rapidly runs off the field after rains and snow melt, carrying nutrients, solids and surface organic materials. No micro-ponding sites are available aquatic dependent invertebrates. Vertebrate wildlife habitat is lacking diversity.

**After Situation:** Deep (6" - 12" depth) micro-depressions and mounds are numerous. These varied micro-topographic features provide varied moisture gradients required for development of high plant species richness and diversity. Wildlife habitat is improved. Water conservation is increased, increasing vegetative production. Water quality is improved as the deep micro-depressions capture sediments, nutrients and manure. Over time, the micro-depressions become more nutrient rich than the micro-highs, further increasing plant species richness.

**Scenario Feature Measure:** Hours

**Scenario Unit:** Acre

**Scenario Typical Size:** 20

**Total Scenario Cost:** \$2,276.22

**Scenario Cost/Unit:** \$113.81

**Cost Details**

Component Name	Id	Description	Unit	Cost	Qty	Total
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**Labor**

Equipment Operators, Heavy	233	Includes: Cranes, Hydraulic Excavators >=50 HP, Dozers, Paving Machines, Rock Trenchers, Trenchers >=12", Dump Trucks, Ag Equipment >=150 HP, Scrapers, Water Wagons.	Hour	\$39.93	8	\$319.47
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**Equipment Installation**

Dozer, 200 HP	928	Track mounted Dozer with horsepower range of 160 to 250. Equipment and power unit costs. Labor not included.	Hour	\$191.34	6	\$1,148.06
Tillage, Primary	946	Includes heavy disking (offset) or chisel plow. Includes equipment, power unit and labor costs.	Acre	\$16.36	20	\$327.29

**Mobilization**

Mobilization, large equipment	1140	Equipment >150HP or typical weights greater than 30,000 pounds or loads requiring over width or over length permits.	Each	\$481.39	1	\$481.39
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**Practice:** 645 - Upland Wildlife Habitat Management

**Scenario:** #7 - Grassland Bird Management

**Scenario Description:** This practice involves a change in the mowing regime on productive hayland by ensuring an early hay cut in mid to late May followed by a delay in the second cut of 65 days. A third cut is allowed. Research has shown that implementing this management on intensely managed hayfields will provide nearly the same productivity for grassland songbirds as a hayfield not mowed until August 1st. Facilitating practice includes 315 Herbaceous Weed Control. Resource concerns include Wildlife: food and cover.

**Before Situation:** Typical setting for this practice is agricultural dominated landscapes with large fields. These agricultural landscapes, and other large grass areas such as airports or preserves, are often the most desirable areas for grassland birds in the Northeast. Breeding success for grassland songbirds on intensively managed hayfields (3-4 cuts per summer) is nearly non-existent as the time period between mowings is too short for successful nesting. Through mowing the nests are destroyed or cover is removed making them vulnerable to predation by crows, ring-billed gulls and other predators. The reduction in nesting sites reduces the population of grassland nesting birds.

**After Situation:** Fields are a minimum of 20 acres of uninterrupted grassland with a low perimeter-to-area ratio (approx. square). First cut and all associated management including raking, baling and manure spreading are completed by May 31st. The sequence of cutting and field management practices is allowed after 65 days. Habitat for grassland bird nesting is improved, reducing egg and nestling mortality. Nest survival and fledging rates are increased.

**Scenario Feature Measure:** Acres

**Scenario Unit:** Acre

**Scenario Typical Size:** 20

**Total Scenario Cost:** \$2,108.88

**Scenario Cost/Unit:** \$105.44

**Cost Details**

Component Name	Id	Description	Unit	Cost	Qty	Total
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**Labor**

Specialist Labor	235	Labor requiring a specialized skill set: Includes Agronomists, Foresters, Biologists, etc. to provide additional technical information during the planning and implementation of the practice. Does not include NRCS or TSP services.	Hour	\$102.74	8	\$821.94
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**Foregone Income**

FI, Hay, General Grass	2122	General Grass Hay is Primary Land Use	Ton	\$42.90	30	\$1,286.94
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**Practice:** 645 - Upland Wildlife Habitat Management

**Scenario:** #278 - Establishment of seasonal wildlife forage or cover on cropland, no FI

**Scenario Description:** This typical scenario occurs on cropland. The habitat assessment identified the need to provide seasonal forage or cover for target wildlife species or guild. This habitat need will be met through the establishment of annual food plants or cover plants by planting of seed. The typical scenario for seasonal forage or cover will be established outside of crop season, thus FI is not needed. Seedbed preparation (light tillage) will be furthered by firming the seed bed by cultipacking the site. The only fertilizer need is N as this is cropland and P and K levels are sufficient. Cropland, so mobilization of equipment not needed.

**Before Situation:** Cropland that fails to provided food or cover for target species at the proper location and season to meet the needs of wildlife.

**After Situation:** The availability of high-quality seasonal forage or seasonal cover for the target wildlife species is provided. Target wildlife health is improved and populations are increased.

**Scenario Feature Measure:** acre

**Scenario Unit:** Acre

**Scenario Typical Size:** 10

**Total Scenario Cost:** \$1,138.01

**Scenario Cost/Unit:** \$113.80

**Cost Details**

Component Name	Id	Description	Unit	Cost	Qty	Total
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**Equipment Installation**

Cultipacking	1100	Includes equipment, power unit and labor costs.	Acre	\$8.28	10	\$82.78
Fertilizer, ground application, dry bulk	950	Dry bulk fertilizer application performed by ground equipment. Includes equipment, power unit and labor costs.	Acre	\$6.77	10	\$67.72
Seeding Operation, No Till/Grass Drill	960	No Till drill or grass drill for seeding. Includes equipment, power unit and labor costs.	Acre	\$21.05	10	\$210.48
Tillage, Light	945	Includes light disking (tandem) or field cultivator. Includes equipment, power unit and labor costs.	Acre	\$10.98	10	\$109.82

**Materials**

Five Species Mix, Cool Season, Annual Grasses and Legumes	2320	Cool season, introduced grass and legume mix. Includes material and shipping only.	Acre	\$60.08	10	\$600.81
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	60	\$66.39

**Practice:** 645 - Upland Wildlife Habitat Management

**Scenario:** #279 - Establishment of seasonal forage or cover for wildlife on cropland, with FI

**Scenario Description:** The habitat assessment identified the need to provide seasonal forage or cover for target wildlife species or guild. This habitat needs will be met through the establishment of annuals by planting of seed. The typical scenario is for cropland. Seed bed preparation is limited to one light disking, furthered by firming the seed bed by cultipacking the site. The only fertilizer need is N as this is cropland and P and K levels are sufficient. These wildlife forages or seasonal cover will be available for wildlife during the cropping season, and are in lieu of the cash crops typically planted on the field. Thus, income from the cash crop will be foregone for a year.

**Before Situation:** Cropland does not provide forage or cover needed for wildlife during the season on death.

**After Situation:** Annual wildlife forages are planted in lieu of a cash crop. Target wildlife health is improved and populations are increased.

**Scenario Feature Measure:** acre

**Scenario Unit:** Acre

**Scenario Typical Size:** 10

**Total Scenario Cost:** \$4,567.61

**Scenario Cost/Unit:** \$456.76

**Cost Details**

Component Name	Id	Description	Unit	Cost	Qty	Total
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**Equipment Installation**

Fertilizer, ground application, dry bulk	950	Dry bulk fertilizer application performed by ground equipment. Includes equipment, power unit and labor costs.	Acre	\$6.77	10	\$67.72
Seeding Operation, No Till/Grass Drill	960	No Till drill or grass drill for seeding. Includes equipment, power unit and labor costs.	Acre	\$21.05	10	\$210.48
Tillage, Light	945	Includes light disking (tandem) or field cultivator. Includes equipment, power unit and labor costs.	Acre	\$10.98	10	\$109.82

**Materials**

Five Species Mix, Cool Season, Annual Grasses and Legumes	2320	Cool season, introduced grass and legume mix. Includes material and shipping only.	Acre	\$60.08	10	\$600.81
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	60	\$66.39

**Foregone Income**

FI, Corn Dryland	1959	Dryland Corn is Primary Crop	Acre	\$346.36	5	\$1,731.79
FI, Soybeans Dryland	1961	Dryland Soybeans is Primary Crop	Acre	\$356.12	5	\$1,780.59

**Practice:** 645 - Upland Wildlife Habitat Management

**Scenario:** #280 - Establishment of seasonal forage or cover for wildlife on non-cropland.

**Scenario Description:** The habitat assessment identifies the need to provide seasonal forage or cover for target wildlife species or guild. This habitat need will be met through the establishment of annual plants by planting of seed. The typical scenario is that this activity will occur on herbaceous areas, not currently in cropland. Due to existing dense vegetation, these area will need to be mowed 2-3 weeks prior to disking (primarily disking), then followed by a light disking. Seed bed preparation will be furthered by firming the seed bed by cultipacking the site. Mixed fertilizer is required to establish planted wildlife seasonal forage or seasonal cover..

**Before Situation:** The existing habitat has an excess of herbaceous perineal habitat, but is lacking high-quality seasonal forage, or the existing cover is too dense and cover conditions found in annual plant communities are absent.

**After Situation:** The availability of high-quality seasonal forage, or cover condition common in annual plant communities is provided and target wildlife health and populations are increased.

**Scenario Feature Measure:** acre

**Scenario Unit:** Acre

**Scenario Typical Size:** 10

**Total Scenario Cost:** \$1,682.41

**Scenario Cost/Unit:** \$168.24

**Cost Details**

Component Name	Id	Description	Unit	Cost	Qty	Total
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**Equipment Installation**

Cultipacking	1100	Includes equipment, power unit and labor costs.	Acre	\$8.28	10	\$82.78
Fertilizer, ground application, dry bulk	950	Dry bulk fertilizer application performed by ground equipment. Includes equipment, power unit and labor costs.	Acre	\$6.77	10	\$67.72
Mower, Bush Hog	940	Equipment and power unit costs. Labor not included.	Hour	\$51.16	3	\$153.48
Seeding Operation, No Till/Grass Drill	960	No Till drill or grass drill for seeding. Includes equipment, power unit and labor costs.	Acre	\$21.05	10	\$210.48
Tillage, Light	945	Includes light disking (tandem) or field cultivator. Includes equipment, power unit and labor costs.	Acre	\$10.98	20	\$219.64
Tillage, Primary	946	Includes heavy disking (offset) or chisel plow. Includes equipment, power unit and labor costs.	Acre	\$16.36	10	\$163.65

**Materials**

Five Species Mix, Cool Season, Annual Grasses and Legumes	2320	Cool season, introduced grass and legume mix. Includes material and shipping only.	Acre	\$60.08	10	\$600.81
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	100	\$110.65
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	\$0.78	60	\$47.05
Potassium, K2O	74	K2O supplied by Muriate Of Potash. Price is not per pound of total product applied, no conversion is needed.	Pound	\$0.44	60	\$26.14

**Practice:** 645 - Upland Wildlife Habitat Management

**Scenario:** #281 - Fallow Field Management with Foregone Income

**Scenario Description:** Temporary suspension of crop production for one year to provide foraging habitat for declining wildlife species. A wildlife habitat evaluation indicated that food is a limiting resource for targeted wildlife. Annual weeds such as foxtails and ragweeds provide significant sources of food for ground birds (e.g. northern bobwhite). The field is lightly disked to encourage germination of annual weeds. THIS SCENARIO MAY ONLY BE APPLIED ON THE SAME FOOTPRINT ONE (1) TIME BECAUSE OF PROGRAM RESTRICTIONS ON FORGONE INCOME. Associated practices: Field Border (386), Tree and Shrub Establishment (612), Conservation Cover (327), Hedgerow Planting (422), Restoration and Management of Rare or Declining Species (643), Early Successional Habitat Development and Management (647).

**Before Situation:** Cropland planted to annual crop and harvested. Production methods severely limit growth of annual weeds that are an important food source for targeted wildlife. Wildlife habitat evaluation indicates food resources are a limiting factor.

**After Situation:** Land is temporarily removed from crop production. Annual weeds such as foxtails and ragweed flourish, providing foraging areas for targeted wildlife species. Wildlife habitat evaluation indicates habitat is provided for targeted species.

**Scenario Feature Measure:** Area treated

**Scenario Unit:** Acre

**Scenario Typical Size:** 1

**Total Scenario Cost:** \$375.01

**Scenario Cost/Unit:** \$375.01

**Cost Details**

Component Name	Id	Description	Unit	Cost	Qty	Total
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**Equipment Installation**

Mower, Bush Hog	940	Equipment and power unit costs. Labor not included.	Hour	\$51.16	0.25	\$12.79
Tillage, Light	945	Includes light disking (tandem) or field cultivator. Includes equipment, power unit and labor costs.	Acre	\$10.98	1	\$10.98

**Foregone Income**

FI, Corn Dryland	1959	Dryland Corn is Primary Crop	Acre	\$346.36	0.5	\$173.18
FI, Soybeans Dryland	1961	Dryland Soybeans is Primary Crop	Acre	\$356.12	0.5	\$178.06