

Scenario Worksheet

Practice and Scenario Description:

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|---------------------------|--|
| Information Type | Data |
| Region | Delta States |
| State | Louisiana |
| Discipline Group | Agronomy |
| Practice Code/Name | 332 - Contour Buffer Strips |
| Scenario ID | 3 |
| Scenario Name | 332-Wildlife/Pollinator, Inc Forgone |
| Scenario Description | Narrow strips of permanent, herbaceous vegetative cover established around the hill slope and alternated down the slope with wider cropped strips in between that are farmed on the contour. This practice applies to all cropland. Practice includes seedbed prep and planting of mainly pollinator friendly species. The area of the field border is taken out of production. |
| Before Practice Situation | Water Erosion Calculator (e.g. RUSLE2) indicates that there is a significant amount of sheet and rill erosion and/or a significant amount of sediment potentially delivered to the downslope edge of the field. A secondary concern is that there may not be enough wildlife/pollinator habitat, food source or refugia in the field or farm. |
| After Practice Situation | Plant species will be established in strips in the field to meet the water erosion resource needs AND provide the targeted wildlife/pollinators the necessary food and/or cover AND any other producer objectives. Minimum widths shall be based on NRCS local design criteria specific to the purpose for installing the practice. Species selected shall meet the wildlife/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 sheet and rill erosion to tolerable levels on the cropped area of the field. |
| Scenario Feature Measure | Number of acres |
| Scenario Unit | Acre |
| Scenario Typical Size | 1 |

Cost Summary:

| Cost Category | Scenario Cost | Scenario Cost/Unit |
|------------------------------------|---------------|--------------------|
| Materials | \$758.85 | \$758.85 |
| Equipment/Installation | \$16.83 | \$16.83 |
| Labor | \$0.00 | \$0.00 |
| Mobilization | \$0.00 | \$0.00 |
| Acquisition of Technical Knowledge | \$0.00 | \$0.00 |
| Foregone Income | \$203.87 | \$203.87 |
| Total | \$979.55 | \$979.55 |

Cost Details:

| Cost Category | Component ID | Component Name | Component Description | Unit | Price (\$/unit) | Quantity | Cost |
|------------------------|--------------|--|--|-------|-----------------|----------|----------|
| Materials | 148 | Black-Eyed Susan (Rudbeckia hirta) | Native Forbs and shipping. | Pound | \$33.55 | 1 | \$33.55 |
| Materials | 136 | Purple Coneflower (Echinacea purpurea) | Native Forbs and shipping. | Pound | \$32.78 | 1 | \$32.78 |
| Materials | 132 | Butterfly Milkweed (Asclepias tuberosa) | Native Forbs and shipping. | Pound | \$437.08 | 1 | \$437.08 |
| 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 | 77 | Eastern Gamagrass (Tripsacum dactyloides) | Native Grasses and shipping. | Pound | \$17.45 | 6 | \$104.70 |
| Materials | 122 | Illinois Bundleflower (Desmanthus illinoensis) | Native Legumes and shipping. | Pound | \$27.94 | 5 | \$139.70 |
| Equipment/Installation | 948 | Chemical, ground application | Chemical application performed by ground equipment. Includes equipment, power unit and labor costs. | Acre | \$3.93 | 1 | \$3.93 |
| 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 | \$12.90 | 1 | \$12.90 |
| Foregone Income | 1971 | FI, Sorghum Dryland | Dryland Sorghum is Primary Crop | Acre | \$123.07 | 0.25 | \$30.77 |
| Foregone Income | 1959 | FI, Corn Dryland | Dryland Corn is Primary Crop | Acre | \$326.97 | 0.25 | \$81.74 |
| Foregone Income | 1961 | FI, Soybeans Dryland | Dryland Soybeans is Primary Crop | Acre | \$168.41 | 0.25 | \$42.10 |
| Foregone Income | 1967 | FI, Cotton Dryland | Dryland Cotton is Primary Crop | Acre | \$197.01 | 0.25 | \$49.25 |