

Scenario Worksheet

Practice and Scenario Description:

| | |
|---------------------------|---|
| Information Type | Data |
| Region | Appalachian |
| State | North Carolina |
| Discipline Group | Agronomy |
| Practice Code/Name | 798 - Seasonal High Tunnel for Crops |
| Scenario ID | 1 |
| Scenario Name | Seasonal high tunnel |
| Scenario Description | Used for contiguous US states in areas with low or no snowfall. A quonset-style (round) manufactured frame of tubular steel (30 x 72 ft.) covered with 4-year 6mil plastic. Costs are based on purchase of manufactured kit and landowner installing the structure. Structure must be installed to manufacturer's specifications. |
| Before Practice Situation | Cropland where extension of the growing season is needed. Additional resource concerns that may need to be addressed include; soil erosion, soil condition, water quality, water quantity, plant condition, and energy use. |
| After Practice Situation | A seasonal high tunnel has been installed and the growing season has been extended for 1-4 months on average. Plant health and vigor is improved and there is decreased energy use by producing food locally. |
| Scenario Feature Measure | Area of Tunnel Installed |
| Scenario Unit | Square Foot |
| Scenario Typical Size | 2160 |

Cost Summary:

| Cost Category | Scenario Cost | Scenario Cost/Unit |
|------------------------------------|-------------------|--------------------|
| Materials | \$5,616.00 | \$2.60 |
| Equipment/Installation | \$0.00 | \$0.00 |
| Labor | \$1,325.57 | \$0.61 |
| Mobilization | \$0.00 | \$0.00 |
| Acquisition of Technical Knowledge | \$0.00 | \$0.00 |
| Foregone Income | \$0.00 | \$0.00 |
| Total | \$6,941.57 | \$3.21 |

Cost Details:

| Cost Category | Component ID | Component Name | Component Description | Unit | Price (\$/unit) | Quantity | Cost |
|---------------|--------------|---|--|-------------|-----------------|----------|------------|
| Materials | 1277 | Hoop House, quonset style, base package | Includes the framework complete with all predrilled steel, hardware and instructions. Includes 6 mil 4-year polyethylene film to cover tunnel, and polylock for sides and ends for a quonset style (round top) hoop house. Materials and shipping only, does n | Square Foot | \$2.60 | 2160 | \$5,616.00 |
| 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 | \$18.67 | 71 | \$1,325.57 |