

Practice: 325 - High Tunnel System

Scenario: #30 - Contiguous US Snow

Scenario Description: Used for contiguous US states in areas with high snowfall. A gothic style (peaked) manufactured frame of tubular steel (30 x 70 ft.) covered with 4-year 6 mil plastic. Costs are based on purchase of manufactured kit and landowner installing the structure. Structure must be installed to manufacturer's specifications.

Before 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, and plant condition.

After Situation: A high tunnel structure has been installed and the growing season has been extended for 1-4 months on average. Plant health and vigor has been improved.

Scenario Feature Measure: Area of Tunnel Installed

Scenario Unit: Square Foot

Scenario Typical Size: 2160

Total Scenario Cost: \$11,272.62

Scenario Cost/Unit: \$5.22

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	\$26.15	71	\$1,856.79
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Materials

Hoop House, gothic style, base package	1278	Includes heavy-duty, gothic framework complete with all predrilled steel, hardware and instructions. Includes 6 mil 4-year polyethylene film to cover tunnel, roll-up sides, lumber, and polylock for sides and ends for a gothic style (peaked top) hoop house. Materials only, does not include labor.	Square Foot	\$4.32	2160	\$9,340.83
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Mobilization

Mobilization, Material, distance > 50 miles	1043	Mobilization cost of materials for special cases where the distance from the supplier delivery point to the job site exceeds 50 miles. The costs for shipping by UPS or bulk freight shipping to a location within 50 miles of the job site have already been included in the component price.	Dollar	\$1.00	75	\$75.00
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Practice: 325 - High Tunnel System

Scenario: #31 - Moveable US Snow

Scenario Description: Used for contiguous US states in areas with high snowfall. A gothic style (peaked) manufactured frame of tubular steel (30 x 70 ft.) covered with 4-year 6 mil plastic. The high tunnel is on rails or otherwise moveable to protect soil health and allow for crop rotation. Costs are based on purchase of manufactured kit and landowner installing the structure. Structure must be installed to manufacturer's specifications.

Before 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, and plant condition.

After Situation: A high tunnel structure has been installed and the growing season has been extended for 1-4 months on average. Plant health and vigor has been improved. Soils are allowed to receive natural precipitation and crops can be rotated.

Scenario Feature Measure: sq. ft

Scenario Unit: Square Foot

Scenario Typical Size: 2160

Total Scenario Cost: \$12,181.87

Scenario Cost/Unit: \$5.64

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	\$26.15	71	\$1,856.79
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Materials

Hoop House, gothic style, on rails	2643	Includes heavy-duty, gothic framework complete with all predrilled steel, hardware and instructions .Includes rails, braces and tie downs for the mobile system. Includes 6 mil 4-year polyethylene film to cover tunnel, roll-up sides, lumber, and polylock for sides and ends for a gothic style (peaked top) hoop house. Materials only, does not include labor.	Square Foot	\$4.67	2160	\$10,097.08
Hoop House, Gothic Style, Optional Support Package	2644	Optional support package for Gothic Style Hoop Houses to add strength for heavy snow and wind loads or support attached items. Each package includes hardware for installation for support for each rafter	Each	\$153.00	1	\$153.00

Mobilization

Mobilization, Material, distance > 50 miles	1043	Mobilization cost of materials for special cases where the distance from the supplier delivery point to the job site exceeds 50 miles. The costs for shipping by UPS or bulk freight shipping to a location within 50 miles of the job site have already been included in the component price.	Dollar	\$1.00	75	\$75.00
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