

**Practice: 717 - Livestock Shade Structure**

**Scenario # 1 Portable Shade Structure**

**Scenario Description:**

**Louisiana**

A flexible membrane or fabric-like roof placed on a steel or wood portable frame used to promote animal health where prescribed grazing practices have limited livestock access to shade. Cost estimate is based upon a 25 ft x 40 ft portable structure.

Associated practices include Fence (382), Prescribed Grazing (528), and Watering Facility (614).

**Before Practice Situation:**

Livestock are being managed using a prescribed grazing plan resulting in a lack of shade during the summer months. The livestock are stressed and eat less frequently.

**After Practice Situation:**

Livestock shade structures are rotated and sized according to NRCS plans and specifications. Livestock access to water, shade, and forage are dispersed to decrease animal stress and promote a better grazing and nutrient spreading.

**Scenario Feature Measure:**

Area of Roof Frame

<b>Scenario Typical Size:</b>	1000	Square Foot	Unit Cost	\$3.14
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Cost Category	Component Name	Quantity	Unit	Unit Cost	Cost
Materials	"Pipe, Steel, 1 ¼", SCH 40"	94	Foot	\$2.15	\$202.10
Materials	"Pipe, Steel, 2", SCH 40"	185	Foot	\$4.31	\$797.35
Materials	Synthetic Liner, 60 mil	1000	Square Foot	\$1.25	\$1,250.00
Labor	Skilled Labor	16	Hour	\$26.82	\$429.12
Labor	General Labor	8	Hour	\$18.57	\$148.56
Materials	"Steel, Plate, 3/16"	2	Square Foot	\$6.38	\$12.76
Materials	"Pipe, PVC, 2", SCH 40"	25	Foot	\$1.04	\$26.00
Mobilization	Mobilization, very small equipment	1	Each	\$36.97	\$36.97
Equip./Install.	Portable Welder	16	Hour	\$14.88	\$238.08
				<b>Total Cost:</b>	<b>\$3,140.94</b>