

NATURAL RESOURCES CONSERVATION SERVICE  
MONTANA CONSERVATION PRACTICE JOB SHEET

**SEASONAL HIGH TUNNEL SYSTEM FOR CROPS (FT<sup>2</sup>.)**

CODE 798B

**NRCS REPORT**

First Year

LANDOWNER/OPERATOR	FIELD NUMBER	TRACT	CTU
PLANNER	FIELD OFFICE	REPORT DATE	

**Report due on or before December 20, 2010**

Actual cost of Seasonal High Tunnel System *(not including separate supporting practices)*

Item	Size (sq. ft.)	Manufacturer / Series	Cost
			\$
			\$
			\$
			\$
			\$
			\$
			\$
			\$
			\$
			\$

Water erosion (RUSLE2) before and after installation of the Seasonal High Tunnel System and wind erosion (WEQ) before installation:

Field	Annual Wind Erosion Rate <i>(tons/ac/year)</i>	Annual Water Erosion Rate <i>(tons/ac/year)</i>

**MT798B-JS2**

Supporting practices: Effectiveness required to address erosion and drainage issues as a result of high tunnel installation:

Practice or feature (list)	Effectiveness (1 = not effective... 5 = very effective)	Comments
Underground outlet		
Diversion		
Critical area planting		

List water resource concerns being addressed with the interim seasonal high tunnel system:

Water Resource Concern	How the Seasonal High Tunnel Addresses the Concern
Water quality – harmful levels of pesticides in groundwater	
Water quality – excessive nutrients and organics in groundwater	
Water quality – harmful levels of pesticides in surface water	
Water quality – excessive nutrients and organics in surface water	
Water quality – excessive suspended sediment in surface water	

List plant resource concerns being addressed with the interim seasonal high tunnel system:

Plant Resource Concern	How the Seasonal High Tunnel Addresses the Concern
Plants not adapted or suited	
Plant condition – productivity, health, vigor	

Additional recommendations and observations:

---



---



---



---



---



---



---



---



---



---

First year maintenance requirements (list number of hours or average cost):

Activity or Item <i>(list)</i>	Hours of Labor	Average Cost
		\$
		\$
		\$
		\$
		\$
		\$
		\$
		\$
		\$
		\$
		\$
		\$

**MT798B-JS4**

Reduction in nutrient use for first year in Seasonal High Tunnel, compared to cropping history prior to installation. Include previous two years crop history without high tunnel.

Crop	Nutrient Type and Formulation <i>(list)</i>	Rate Applied <i>(ex: lb/ac)</i>	Average Reduction

Reduction in pesticide or pest control use for first year in Seasonal High Tunnel, compared to cropping history prior to installation. Include previous two years crop history without high tunnel.

Crop	Pesticide Product Name <i>(list)</i>	Rate Applied <i>(ex: gal/ac)</i>	Average Reduction

Improvements in crop yield and growing season, compared to cropping history prior to installation. Include previous two years crop history without high tunnel.

Crop	Crop Yield		Growing Season	
	Average Yield (units)	Average Increase	Average Length (days)	Average Increase

Temperature variation from inside to outside of high tunnel system.

Date	Temperature (F°)			Comments
	Inside	Outside	Difference	

Summary Report and Comments (use additional paper or submit separate report):

---



---



---



---



---

NATURAL RESOURCES CONSERVATION SERVICE  
MONTANA CONSERVATION PRACTICE JOB SHEET

**SEASONAL HIGH TUNNEL SYSTEM FOR CROPS (FT<sup>2</sup>.)**

CODE 798B

**NRCS REPORT**

Second Year

LANDOWNER/OPERATOR	FIELD NUMBER	TRACT	CTU
PLANNER	FIELD OFFICE	REPORT DATE	

**Report due on or before December 20, 2011**

Actual cost of Seasonal High Tunnel System (not including separate supporting practices)

Item	Size (sq. ft.)	Manufacturer / Series	Cost
			\$
			\$
			\$
			\$
			\$
			\$
			\$
			\$
			\$

Water erosion (RUSLE2) before and after installation of the Seasonal High Tunnel System and wind erosion (WEQ) before installation:

Field	Annual Wind Erosion Rate (tons/ac/year)	Annual Water Erosion Rate (tons/ac/year)

Supporting practices: Effectiveness required to address erosion and drainage issues as a result of high tunnel installation:

Practice or feature (list)	Effectiveness (1 = not effective... 5 = very effective)	Comments
Underground outlet		
Diversion		
Critical area planting		

List water resource concerns being addressed with the interim seasonal high tunnel system:

Water Resource Concern	How the Seasonal High Tunnel Addresses the Concern
Water quality – harmful levels of pesticides in groundwater	
Water quality – excessive nutrients and organics in groundwater	
Water quality – harmful levels of pesticides in surface water	
Water quality – excessive nutrients and organics in surface water	
Water quality – excessive suspended sediment in surface water	

**MT798B-JS8**

List plant resource concerns being addressed with the interim seasonal high tunnel system:

Plant Resource Concern	How the Seasonal High Tunnel Addresses the Concern
Plants not adapted or suited	
Plant condition – productivity, health, vigor	

Additional recommendations and observations:

---



---



---



---



---



---



---



---



---



---

Second year maintenance requirements (list number of hours or average cost):

Activity or Item <i>(list)</i>	Hours of Labor	Average Cost
		\$
		\$
		\$
		\$
		\$
		\$
		\$
		\$
		\$
		\$
		\$
		\$
		\$



**MT798B-JS10**

Improvements in crop yield and growing season, compared to cropping history prior to installation. Include previous three years crop history.

Crop	Crop Yield		Growing Season	
	Average Yield <i>(units)</i>	Average Increase	Average Length <i>(days)</i>	Average Increase

Temperature variation from inside to outside of high tunnel system.

Date	Temperature (F°)			Comments
	Inside	Outside	Difference	

Summary Report and Comments (use additional paper or submit separate report):

---



---



---



---

NATURAL RESOURCES CONSERVATION SERVICE  
MONTANA CONSERVATION PRACTICE JOB SHEET

**SEASONAL HIGH TUNNEL SYSTEM FOR CROPS (FT<sup>2</sup>.)**

CODE 798B

**NRCS FINAL REPORT**

First through Third Year

LANDOWNER/OPERATOR	FIELD NUMBER	TRACT	CTU
PLANNER	FIELD OFFICE	REPORT DATE	

**Report due on or before December 20, 2012**

Actual three year total cost of Seasonal High Tunnel System *(not including separate supporting practices)*

Item	Size (sq. ft.)	Manufacturer / Series	Cost
			\$
			\$
			\$
			\$
			\$
			\$
			\$
			\$
			\$

Water erosion (RUSLE2) before and after installation of the Seasonal High Tunnel System and wind erosion (WEQ) before installation:

Field	Annual Wind Erosion Rate <i>(tons/ac/year)</i>	Annual Water Erosion Rate <i>(tons/ac/year)</i>

**MT798B-JS12**

Supporting practices: Effectiveness required to address erosion and drainage issues as a result of high tunnel installation:

Practice or feature (list)	Effectiveness (1 = not effective... 5 = very effective)	Comments
Underground outlet		
Diversion		
Critical area planting		

List water resource concerns being addressed with the interim seasonal high tunnel system:

Water Resource Concern	How the Seasonal High Tunnel Addresses the Concern
Water quality – harmful levels of pesticides in groundwater	
Water quality – excessive nutrients and organics in groundwater	
Water quality – harmful levels of pesticides in surface water	
Water quality – excessive nutrients and organics in surface water	
Water quality – excessive suspended sediment in surface water	

List plant resource concerns being addressed with the interim seasonal high tunnel system:

Plant Resource Concern	How the Seasonal High Tunnel Addresses the Concern
Plants not adapted or suited	
Plant condition – productivity, health, vigor	

Additional recommendations and observations:

---



---



---



---



---



---



---



---



---



---

First through third year maintenance requirements (list number of hours or average cost):

Activity or Item <i>(list)</i>	Hours of Labor	Average Cost
		\$
		\$
		\$
		\$
		\$
		\$
		\$
		\$
		\$
		\$
		\$
		\$
		\$

**MT798B-JS14**

Reduction in nutrient use for first through third year in Seasonal High Tunnel, compared to cropping history prior to installation. Include previous four years crop history.

Crop	Nutrient Type and Formulation <i>(list)</i>	Rate Applied <i>(ex: lb/ac)</i>	Average Reduction

Reduction in pesticide or pest control use for first through third year in Seasonal High Tunnel, compared to cropping history prior to installation. Include previous four years crop history.

Crop	Pesticide Product Name <i>(list)</i>	Rate Applied <i>(ex: gal/ac)</i>	Average Reduction

Improvements in crop yield and growing season, compared to cropping history prior to installation. Include previous four years crop history.

Crop	Crop Yield		Growing Season	
	Average Yield (units)	Average Increase	Average Length (days)	Average Increase

Temperature variation from inside to outside of high tunnel system.

Date	Temperature (F°)			Comments
	Inside	Outside	Difference	

Summary Report and Comments (use additional paper or submit separate report):

---



---



---



---



---