

**NATURAL RESOURCES CONSERVATION SERVICE
PACIFIC ISLANDS AREA CONSERVATION PRACTICE JOBSHEET**

Seasonal High Tunnel System for Crops (798)

Client Name:	<i>Tom Farmer</i>		
TMK/Parcel ID(s):	<i>1-1-111-111</i>	Tract(s):	<i>1234</i>
Field(s):	<i>1</i>	Planned Amount of Practice:	<i>2,160 sq ft</i>
Annual Rainfall (in.):	<i>50"</i>	Soil Types:	<i>HVD</i>
Planner Name:	<i>Jane Planner</i>		Date Prepared: <i>11/30/11</i>

Climate Condition to be Modified (Check All Applicable)	
<input type="checkbox"/>	Temperature (too cold or too hot)
<input checked="" type="checkbox"/>	Rainfall (too little, too much, and/or uneven distribution during the year)
<input type="checkbox"/>	Wind (too little or too much)
<input type="checkbox"/>	Other, name: _____
Description of climate condition problem and how it affects the growing season and crop growth:	
<i>Natural rainfall is too high at times and too low at times preventing farmer from growing certain types of crops and lowering crop quality and yields.</i>	

Purpose for Applying (Check All Applicable)	
<input checked="" type="checkbox"/>	Improve plant quality (increase crop production, quality and/or yields)
<input checked="" type="checkbox"/>	Improve soil quality (increase soil organic matter content, reduce fertilizer and pesticide application)
<input type="checkbox"/>	Improve water quality from reduced nutrient and pesticide transport
<input type="checkbox"/>	Reduce energy use through local consumption
<input type="checkbox"/>	Other, specify: _____

Current Site Conditions	
Description of the current site conditions which may affect the installation of the high tunnel(s) and supporting practices including:	
How are crops grown (i.e. Open field, raised bed)? List current crops grown on the site to be covered by high tunnel(s):	<i>Open field on raised earthen beds.</i>
Are crops irrigated or non-irrigated? If irrigated, list irrigation system type and source of irrigation water.	<i>Irrigated – Drip System with water source from existing on-farm reservoir.</i>
Slope and other topographic conditions on site:	<i>Very flat < 2% slope</i>
Soil Conditioning Index value:	<i>+1</i>
Water runoff problems onto site from surrounding area:	<i>None. Existing diversion channel above site prevents runoff from slopes above from entering site.</i>
Location of nearby streams/water bodies:	<i>Stream located about 500 feet from site</i>
Other site conditions of consideration:	<i>None.</i>

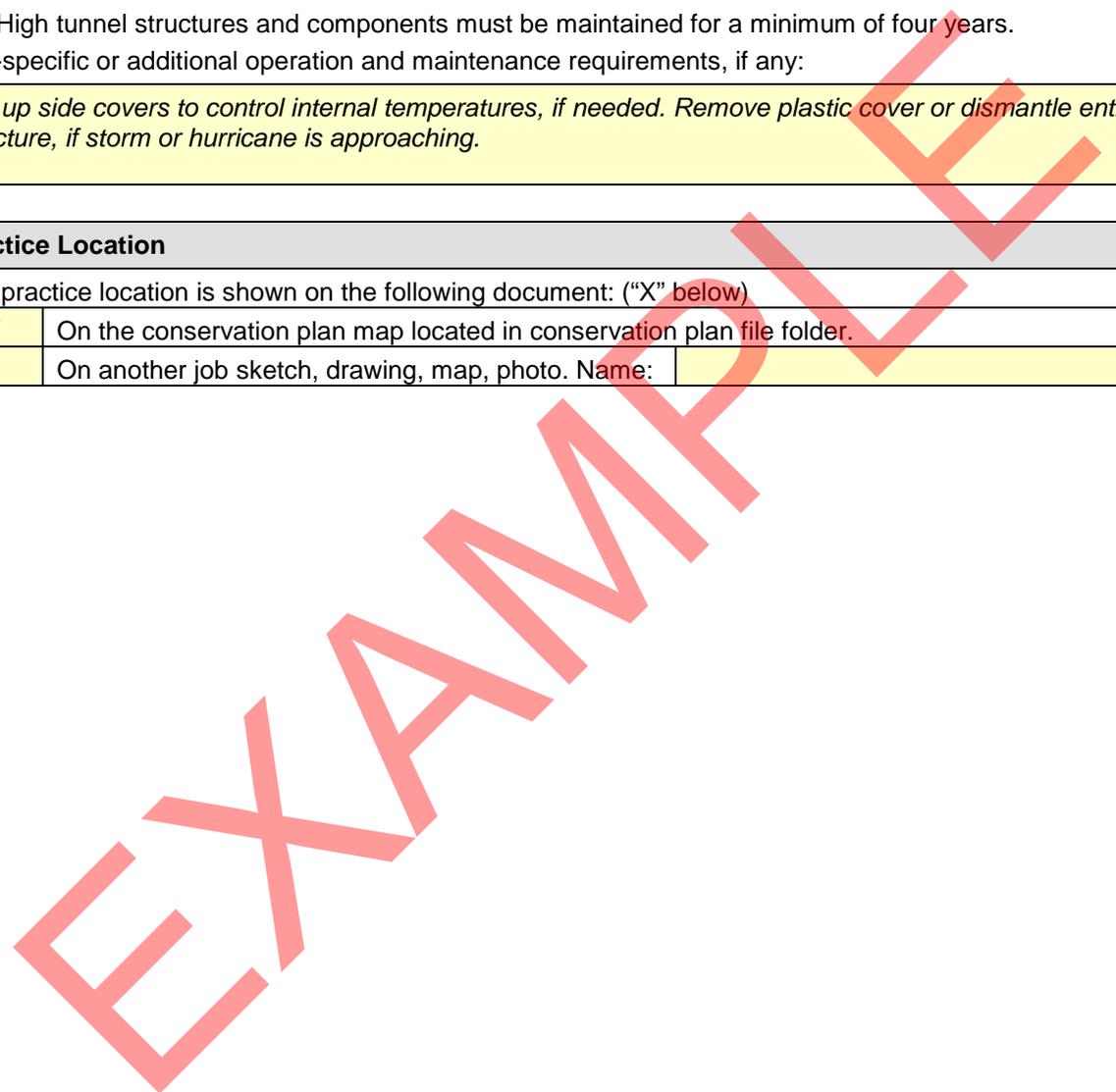
High Tunnel(s) System Installation			
Item	Structure 1	Structure 2	Structure 3
Width:	30 ft		
Length:	72 ft		
Total Square Feet:	2,160		
Height in Center (Minimum of 6 ft):	10 ft		
Polyethylene Cover Type (Min. 6 mil, greenhouse-grade, UV Resistant):	6 mil, greenhouse, UV resistant polyethylene film		
Frame Material (Metal, Wood or Durable Plastic):	14 gauge structural steel tubing		
Manufacturer:	High Tunnels Inc		
Other components (end panels, doors, baseboards):	Pre-fabricated end panels and baseboards		
Optional Systems Planned (i.e. Mechanical Ventilation or Electrical Systems):	None		
<ul style="list-style-type: none"> • Prepare site according to manufacturer's instructions. • Lay out building location according to site plan. • Assemble high tunnel structure according to manufacturer's instructions. • End Panels, Doors, Baseboards (if required) may either be purchased from the kit manufacturer or constructed by farmers from locally purchased materials per the manufacturer's recommendations. <p><i>Additional site-specific installation requirements:</i></p> <p><i>Install pre-fabricated end panel and baseboard components according to manufacturer's instructions.</i></p>			

<p>Required Supporting Practices (Farmers who receive financial assistance are required to install supporting practices to address all environmental concerns associated with the use of high tunnels. These must be planned and installed along with the high tunnels as part of a complete system. A separate Jobsheet or construction plan must be prepared for each required supporting practice.)</p> <p>List the other supporting practice(s), description and purpose.</p> <p><i>Roof Runoff Structure (558) – Manufactured gutter system to collect and transport rain from tunnel cover to irrigation storage reservoir, and prevent erosion around the tunnel.</i></p>

<p>Other Supporting Practices (Not required, but may be needed for the high tunnels to achieve its intended purpose and potential natural resource benefits.)</p> <p>List the other supporting practice(s), description and purpose.</p> <p><i>Conservation Crop Rotation (328) – Revise crop rotation, rotate location of tunnel, grow other crops with higher returns, and rest land.</i></p> <p><i>Nutrient Management (590) – Change nutrient application by applying nutrients according to UH recommendations.</i></p>

Operation and Maintenance Plan / Requirements
<ul style="list-style-type: none"> • Complete a first, second and a third year annual report to document the growing season, crop yields and quality, and use of nutrients and pesticides. • Covered area will be periodically inspected, and shall be reinstalled or repaired as needed to accomplish the intended purpose. • Removal of cover materials shall be consistent with the intended purpose and site conditions. • Operation of equipment near and on the site shall not compromise the intended purpose of the cover. • High tunnel structures and components must be maintained for a minimum of four years. <p>Site-specific or additional operation and maintenance requirements, if any:</p>
<p><i>Roll up side covers to control internal temperatures, if needed. Remove plastic cover or dismantle entire structure, if storm or hurricane is approaching.</i></p>

Practice Location	
The practice location is shown on the following document: ("X" below)	
X	On the conservation plan map located in conservation plan file folder.
	On another job sketch, drawing, map, photo. Name:



Practice Approvals

This section documents the practice approvals and the client's acknowledgement of his/her responsibilities.

Design Approval (To be completed by a NRCS certified conservation planner.)		
By signing below, I am certifying that the plans and specifications for the high tunnel(s) and required supporting practices as documented in this Jobsheet meet the criteria in the Pacific Islands Area Conservation Practice Standard.		
Print Name	Signature	Date
<i>Jane Planner</i>	<i>Jane Planner</i>	11/30/11

Client's Acknowledgement (To be completed by the client after design approval.)		
By signing below, I acknowledge that I:		
<ul style="list-style-type: none"> understand that electrical, heating and mechanical ventilation are not eligible for financial assistance; have reviewed this jobsheet and have an understanding of its contents and requirements; will make no changes to this jobsheet, without prior concurrence of NRCS; will install, operate, and maintain this practice in accordance with this jobsheet and manufacturers instructions; will obtain all necessary permits and/or rights, comply with all ordinances and laws, and notify all utilities pertaining to the installation, operation, and maintenance of the practice; and complete and submit a first, second, and third year annual report to NRCS. 		
Print Name	Signature	Date
<i>Tom Farmer</i>	<i>Tom Farmer</i>	12/2/11

High Tunnel Layout Notes (Description of pre-installation layout assistance (staking and layout, conference, design modifications, etc.) provided to the client, if any.)			
Description of Assistance Provided:			
Assistance Provided by:	Print Name	Signature	Date

Checkout Notes (Documentation of field check done to determine the amount installed and actual materials and methods used.)			
Amount installed:	<i>2,160 sq ft</i>		
Were the high tunnel(s) installed in accordance with this Jobsheet? If no, explain.	Yes.		
Were all required supporting practices installed in accordance with this Jobsheet? *If no, explain.	Yes, see separate check out notes for supporting practices.		
Checkout Completed by:	Print Name	Signature	Date
	<i>Joe Technician</i>	<i>Joe Technician</i>	2/9/12

* Checkout notes for supporting practices are documented on separate Jobsheets or construction check out notes for each practice.

Installation Approval (To be completed by a NRCS certified conservation planner after practice checkout.)		
By signing below, I am certifying that the high tunnel(s) and required supporting practices have been installed in accordance with this Jobsheet, as verified by the practice checkout notes.		
Print Name	Signature	Date
<i>Jane Farmer</i>	<i>Jane Farmer</i>	2/10/12