

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

Cover Crop (340)

Client Name:	<i>Joe Farmer</i>	Date Prepared:	<i>5/20/2011</i>
TMK(s):	<i>1-1-111:111</i>	Tract(s):	<i>1111</i>
		Field(s):	<i>2</i>
Planned Amount of Practice:	<i>0.25 acres</i>	Job Class:	<i>II</i>
Avg. Rainfall (in.):	<i>75</i>	Elevation Range (ft):	<i>500-550</i>
Soil Map Units:		Current Soils Test?	<i>No</i>
Planner Name:	<i>Planner Smith</i>	JAA Level:	<i>II</i>

Purpose for installing the practice (Check applicable purposes)			
<input checked="" type="checkbox"/>	Reduce erosion from wind and water.	<input checked="" type="checkbox"/>	Weed suppression.
<input checked="" type="checkbox"/>	Increase soil organic matter content.		Provide supplemental forage.
	Capture and recycle or redistribute nutrients in the soil profile.		Reduce particulate emissions into the atmosphere.
	Promote biological nitrogen fixation.		Soil moisture management.
	Increase biodiversity.		Minimize and reduce soil compaction.

Current Site Conditions
Description of current site conditions including: existing vegetation in treatment unit; cause, extent, and degree of resource problems: <i>Current cropping system is two crops of corn with a long fallow period where the ground is not covered by adequate vegetation.</i>

Treatment Goals or Objectives
Description of extent of problems to be addressed and/or treatment goals or objectives: <i>A cover crop will be established during to fallow period to reduce soil erosion and to increase soil organic matter and to suppress weeds.</i>

Site Preparation
<input checked="" type="checkbox"/> Conventional Tillage <input type="checkbox"/> No Till <input type="checkbox"/> Other (see below)
Seedbed Preparation will consist of plowing or ripping, followed by disking where soil conditions permit. Prepare a firm, weed-free seedbed. Use no-till seeding methods and equipment where practical and possible. If planting large areas of sloping land, and not-till is not possible, establish new plantings in increments or strips alternating with undisturbed areas to minimize erosion. <i>Additional site-specific requirements:</i> <i>The site will be prepared by conventional tillage methods.</i>

Cover Crop Vegetation and Planting Rates				
Field Name	Acres to be Planted	Species to be Planted	Method of Establishment <u>1/</u>	Planting Rate <u>2/</u>
2	0.25	Alfalfa	Seeding	20 lbs PLS/ac

1/ Method of Establishment: seeding, or planting vegetative material (stolons, sprigs or rhizomes).
 2/ Planting Rate Per Unit: seeding rate or plants per unit, spacing between plants, etc.
 *Pure Live Seed (PLS) = Bulk Seed x %germination x % purity
 *Bulk Seed to Purchase = Pure Live Seed (PLS) ÷ % germination ÷ % purity

Planned Planting Dates
Prior to or during the predominant rainy season, or during this time period to optimize soil moisture for germination and/or establishment:
<i>Field should be seeded to take advantage of moisture from the rainy season.</i>

Planting Methods (Consult the Vegetative Guide for more information)	
<input type="checkbox"/>	Drill/No-till/Planter: Seeds will be planted with a conventional seed drill. The drill should be calibrated to ensure proper seed rate, depth, and distribution.
<input type="checkbox"/>	Sprigger: Vegetative materials will be sprigged as soon as possible to prevent the loss of material viability.
<input checked="" type="checkbox"/>	Broadcast and Roll/Drag: A proper seed bed should be established before this planting method should be used. When seeds are to be broadcast the seed bed should be firm. Your foot imprint should not sink more than ¼ inches.
<input type="checkbox"/>	Hand Planting: The cover crop will be hand planted.
Additional site-specific requirements:	

Soil Amendments – <input type="checkbox"/> Required for Certification <input type="checkbox"/> Not Required for Certification				
Apply soil amendments (e.g. lime, fertilizer, compost) according to soil test results to ensure stand establishment. Legume seeds should be treated with the correct legume inoculants before planting.				
Soils Analyses:		N	P	K
Recommendations:		N	P ₂ O ₅	K ₂ O
Lime:				

Protection of Plantings

Chemical **Mechanical** Other (see below)

Plantings shall be protected from pests (e.g. weeds, insects, diseases, livestock, and/or wildlife) as necessary to ensure stand establishment. The site will have vegetative competition controlled through mechanical tillage and/ or application of herbicides. Tillage should be done in a manner to minimize soil loss from water and wind erosion. Herbicides must be applied according to the product label.

Recommendations, if applicable:

Termination of Cover Crop

Harvest Mowing **Tillage** Crimping Herbicides

Instructions for implementation of method:

Alfalfa will be tilled into the soil.

Timing of termination:

In a manner that leaves the ground bare for as short of a period of time as possible, before the next crop is established.

Additional site-specific termination requirements:

Operation and Maintenance Requirements

- Control growth of the cover crop to reduce competition from volunteer plants and shading.
- Control weeds in cover crops by mowing or by using other pest management techniques.
- Control soil moisture depletion by selecting water efficient plant species and terminating the cover crop before excessive transpiration.

Site specific or additional operation and maintenance requirements for treatment unit:

Practice Location

The practice location is shown on the following document: ("X" below)

On the conservation plan map located in conservation plan file folder.

On another job sketch, drawing, map, photo. Name: _____

Client's Acknowledgement (To be completed after practice I&E and design have been approved.)

By signing below, I acknowledge that I:

- 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
- 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.

Signature

Date

**NATURAL RESOURCES CONSERVATION SERVICE
PACIFIC ISLANDS PRACTICE CERTIFICATION SHEET**

Cover Crop (340)

Date of Field Visit for Certification: 2/2/12 r Photos Attached
Planting Date(s): 12/5/11

Applied Plant Materials				
Field Name	Acres Planted	Species Planted	Method of Establishment ^{1/}	Planting Rate ^{2/}
2	0.25	Alfalfa	Seeding	20 lbs PLS/ac

^{1/} Method of Establishment: seeding, or planting vegetative material (stolons, sprigs or rhizomes).
^{2/} Planting Rate Per Unit: seeding rate (PLS/ac), plants per unit, spacing between plants, etc.

r Attach a copy of the seed tag(s) for all seeded materials. If seed tag is not available, attach a copy of the seed analysis performed on the purchased/planted seed materials.

Applied Soil Amendments
Applied soil amendments (e.g. lime, fertilizer, compost) according to soil test:
N/A

r Attach a copy of the soil test and fertilizer tickets, if applicable.

Termination of Cover Crop
<input type="checkbox"/> Harvest <input type="checkbox"/> Mowing <input checked="" type="checkbox"/> Tillage <input type="checkbox"/> Crimping <input type="checkbox"/> Herbicides
Timing of termination:
End of Rainy

Additional Check-Out Notes:
Based on site visit, describe how the site was prepared for seeding, planting methods, and any other observations:

Objectives met: Yes No

CERTIFICATION:

I hereby certify that this practice has been installed in accordance with NRCS standards and specifications.

Planner Smith
NRCS Conservationist

III
JAA Level

2/2/12
Date