Natural Resources Conservation Service | Kauai

Pacific Islands Conservation Practice Jobsheet | PIA-East

Vegetative Barrier (601)

Jobsheet Prepared for: **Date:** 04/25/12

Client Name	Farmer		Business Name				
Tract Number	1234	Field #	1	Field Ac.	1.0	Planned Amount	450.0	ft (3 row)

Jobsheet Prepared by: **JAA Sufficient for Practice**

Planners Name	Planner	Planners JAA:	2	JAA Required for Practice:	2

Purpose/Justification/Site Conditions of Planned Practice

Resource Problem	Water Quality - Excessive Suspended Sediment and Turbidity in Surface Water
Primary Purpose	Trap sediment

Additional Criteria to the General Criteria for the Selected Practice Purpose

Alignment. Barriers will be aligned as close to perpendicular as possible to flow coming off of fields or out of the ends of furrows. Width. Vegetative barriers for this purpose will be a minimum of 3 feet wide.

Site Conditions	Site Rainfall	80	Site Elevation	500	Soil Map Unit Symbol	LuA

Summarize Conservation Practice for Cooperator

Install the Vegetative Barriers as shown on you conservation plan map. Once the barriers are well established they should do a good job of filtering sediment from the runoff water.

PIA Vegetative Guide Recommendations Site Irrigated? **Yes**

Field Name	Species to be Planted		Material Used for Establishment	Percent Planned	Planting Rate	Units
1	Lemongrass		Vegetative Material	100%	2	plants/ft
	Cymbopogon citratus	1/				

If any of the above species are potentially invasive or if they are outside the PIA Veg Guide you need approval from the Plant Materials Specialist and the appropriate Technical Specialist.

This plan will require approximately the following to be applied	2700.0	plants	Lemongrass

Additional Information/Requirements:

Remember plants should be planted every 6 inches in the row and the rows should only be 1 foot apart.

Foot notes for Veg Guide for the selected practice:

1/Irrigation required if annual precipitation is below specified amount or as needed for normal growth. 2/Spreads by windblown seed. Control measures may be needed on cropland if plants are allowed to produce viable seed. 3/Native. 4/Sterile seeds. Will not volunteer. 5/Resistant to root-knot nematodes. 6/Tolerant of soil salinity and wind-

Site Preparation/Planting Times and Methods/Soil Amendments

Site Preparation:

Conventional Tillage	Seedbed preparation will consist of plowing, disking, or other conventional tillage practices. Seedbed will be free of weeds and will be worked down to create a firm seedbed.
Other Requirements	

Planned Planting Dates:

Plant during the dry season and irrigate. That way the barrier will be well established once the rainy season begins.

Planting Methods:

Hand Planting	Plants will be hand planted in a way the distributes the plants according to the plan.
Other Requirements	

Soil Amendments Recommendations:

	Nitrogen (N)	Phosphate (P_2O_5)	Potash (K_2O)	Lime
lbs/ac	0	0	0	0

Operation and Maintenance Requirements

Establishment failures will be replanted or reseeded immediately; short gaps in seeded barriers may be reestablished more effectively and immediately with transplanted plant material. Gaps between plants, including vetiver grass, will be no greater than 3 inches at the end of the first growing season. Mowing of herbaceous barriers may be used as a management practice to encourage the development of a dense stand and prevent shading of crops in adjacent fields. Mow at a 15-inch stem height, or the recommended height for the species, whichever is taller. Mow barriers in concentrated flow areas during their dormant period to avoid reducing the average stem diameter and thus lowering the VSI. Barriers may be burned, if the species used will

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 Job sheet and have an understanding of its contents and requirements;
- will make no changes to this Job sheet, without prior concurrence of NRCS;
- will install, operate, and maintain this practice in accordance with this Job sheet; and
- will obtain all necessary permits and/or rights, comply with all ordinances and laws, and notify all utilities pertaining to the

Signature	Date

Cooperator Implementation Requirements

The Who, Where, Why, When, and How for Practice Implementation:

4/25/2012

Vegetative Barrier (601)

Practice Summary:

Install the Vegetative Barriers as shown on you conservation plan map. Once the barriers are well established they should do a good job of filtering sediment from the runoff water.

Who:

This practice specification is designed for: **Farmer** By **Planner**

Where:

This practice will be applied on **450.0 ft (3 row)** of field **1** located on tract number **1234**

Why:

This practice is being applied for the purpose of addressing the resource concern of:

Water Quality - Excessive Suspended Sediment and Turbidity in Surface Water

When:

Plant during the dry season and irrigate. That way the barrier will be well established once the rainy season begins.

How:

Site Preparation: **Conventional Tillage**

0

Planting Methods: **Hand Planting**

0

Species to Plant:	Planting Rate:	Total amount to be applied:
Lemongrass	2 plants/ft	2700.0 plants

Required Fertilizer:	Nitrogen (N)	Phosphate (P2O5)	Potash (K2O5)	Lime
lbs/ac	0	0	0	0

Additional Information for Practice Installation:

Remember plants should be planted every 6 inches in the row and the rows should only be 1 foot apart.

Natural Resources Conservation Service
Pacific Islands Conservation Practice Certification
Vegetative Barrier (601)

Certification Prepared for:						**Date:**		
Client Name	Farmer		Business Name			0		
Tract Number	1234	Field #	1	Field Ac.	1	Planned Amount	450	ft (3 row)
Certification Prepared by:								
Planners Name		Planners JAA:		JAA Required for Practice:				2
Resource Concern Identified	Water Quality - Excessive Suspended Sediment and Turbidity in Surface Water							
Select Primary Purpose	Trap sediment							

Establishment Checkout Notes

Field Name	Species Planted	Material Used for Establishment	Percent Established	Planting Rate	Units

Site Preparation:

How was the field prepared?				
When was the field planted?				
How was the planting installed?				
amendments applied? (lbs/ac)	Nitrogen (N)	Phosphate (P_2O_5)	Potash (K_2O)	Lime

Has the plan been followed?	**Yes**	**No**	If No do not certify practice.
Is the planting success >75%?	**Yes**	**No**	If No do not certify practice.
Has the resource concern been protected?	**Yes**	**No**	If No do not certify practice.

IF the above three questions are answered Yes then the practice should be certified complete. Must have adequate JAA.

Certification Signature _____ Date _____

By answering "No" to any of the above questions simply means that this practice should not be certified at this time. In the box below describe what needs to occur before the practice can be certified and share with the client.