



RESEARCH DEVELOPMENT AND EXTENSION SERVICES

TERMINAL REPORT

I. GENERAL INFORMATION

Activity: Training on Soil Fertility Management Through Soil Sampling & Analysis

Date & Time of Activity: February 8-9, 2019; 9:00AM to 4:30PM

Venue of Activity: Monamon Sur, Bauko

Proponents: Extension Unit

Facilitators: SAFE Project staff & project leader

Participants: Farmer cooperators (KPPFO)

Budget: PhP. 19,300.00

Source of Fund: SAFE Project Fund

II. NARRATIVE REPORT

The training is design, first, to demonstrate to the farmer cooperators how to conduct soil sampling and analysis using soil test kit. Second, identified nutrient deficiencies on different farms and recommend amount of fertilizers to be applied. This activity is done in the farms. In this soil analysis, the level of soil pH and N, P, K is what to be identified for fertilizer recommendation purposes. The result of the analysis of the soil samples is to be known at least after an hour or more because there is a time requirement in doing the steps and there are instances of repeating the steps using other solutions if there were no desired outcomes.

On the first day of the training, the participants were thought by the SAFE Project Staff on how to do soil sampling in their farms afterwards we allow them to collect their own soil samples for analysis. Next the soil sample analysis using soil test kit is demonstrated to the farmer cooperators. To allow them learn by themselves, they were given chances to do the analysis of their own soil samples. On the next day, the soil sampling and analysis were continued for the rest of the farmer cooperators who were not yet done on soil sampling and analysis. The SAFE Project staff still assisted the participants in doing the same activities. The nutrient deficiencies were identified per soil samples at least one another.

The farmer cooperators very much appreciated the training most especially that they lack knowledge and skills on identifying fertilizer deficiencies on their farms. Generally, their application of fertilizer every cropping is based on their own knowledge and practices wherein mostly their fertilizer inputs during every cropping is more than on what the crops needed or could be not enough which may result to unproductiveness and loss of soil fertility.

III. PHOTO DOCUMENTATION

The SAFE Project staff assisting the farmer cooperators on how to do soil sampling





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Bontoc, Mountain Province



The Research assistant of the SAFE Project, Demonstrate how to use the soil test kit (STK)





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The Participants doing soil analysis



IV. RECOMMENDATIONS

Farmer cooperators is recommended to adapt this technology on soil fertility management through soil sampling and analysis.

V. ATTACHMENTS

(approved activity design, attendance sheet, sample certificate/ photocopy of certificate)

Prepared by:


RUFINO S. PIAYAS
Science Research Assistant

Noted:


ELMER D. TAKIPAC
SAFE Project leader



RESEARCH DEVELOPMENT AND EXTENSION UNIT

ATTENDANCE SHEET

Title of Activity: SOIL FERTILITY MANAGEMENT THROUGH SOIL SAMPLING AND ANALYSIS

Date & Time: Feb. 4-9, 2014. 9:00 AM - 4:30 PM

Venue: LIWANG, MANAMON SUP, BAKO

No.	NAME	GENDER			UNIT/OFFICE/ DEPARTMENT	SIGNATURE
		F	LGBT	M		

1.	RUFINO S. PLAYS			✓	MRSPC-PDE	
2.	EFREN LO-OGAN			✓		
3.	Jimmy Agman			✓		
4.	Basilio B. Ballo			✓		
5.	Junita E. Monioz	✓				
6.	Margarita K. Ballo	✓				
7.	GILBERT PAKIPAC			✓		
8.	Berta Trigo	✓				
9.	Tita Loogan	✓				
10.	Josceann Agandao	✓				
11.	Clinton Arinojar			✓		
12.	FLORENCE ORNARR	✓				
13.	Berto Galan			✓		
14.	Roger Ballo			✓		
15.	DEN LOOGAN			✓		
16.	John Mac-ing			✓		
17.	MILTON BALLO	✓		✓		
18.	Crisanto Panfaries			✓		
19.	NOEL BALLO			✓		
20.	alfonse Ballo			✓		
21.	Jover Trigo			✓		
22.	ALEXANDER LOOGAN			✓		
23.	OCTAVIO BALLO			✓		
24.	ZALDY LOOGAN			✓		
25.	CRIS Baling-an					

CERTIFICATION

This is to CERTIFY that the above is the true and correct attendance list of the participants/facilitators/secretariat of the above-mentioned activity.

This is to CERTIFY that the meals/snacks claimed for payment by the caterer was served to the above participants.

ELMER D. PAKIPAC
End-User



RESEARCH DEVELOPMENT AND EXTENSION UNIT

ATTENDANCE SHEET

Title of Activity:

Date & Time:

Venue:

No.	NAME	GENDER			UNIT/OFFICE/ DEPARTMENT	SIGNATURE
		F	LGBTQ	M		

26.	JULIUS BALLO			✓		<i>[Signature]</i>
27.	Jordan M. Boodarba			✓	MPSPC-RDE	<i>[Signature]</i>
28.	Kressel K. Ballo	✓			member	<i>[Signature]</i>
29.	Benito Ballo			✓	member	<i>[Signature]</i>
30.	Galing Atengiser	✓			"	<i>[Signature]</i>
31.	Marbeluz Kiwakiw	✓			"	<i>[Signature]</i>
32.	Florence Ballo omnas	✓			"	<i>[Signature]</i>
33.	Emilio Gabel Jr.			✓	"	<i>[Signature]</i>
34.	Joseph Chiquito	✓			"	<i>[Signature]</i>
35.	Kuroia G. Tiegodon	✓			"	<i>[Signature]</i>
36.						
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ELMER D. PAKIPAC
End - User



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RESEARCH DEVELOPMENT AND EXTENSION SERVICES

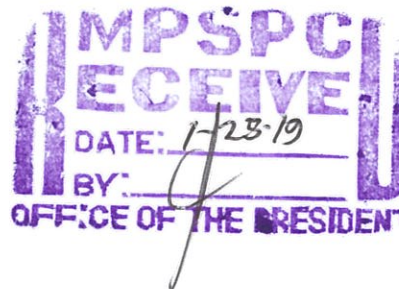
(January 24, 2019)

DR. REXTON F. CHAKAS

College President

Mountain Province State Polytechnic College

Bontoc, Mountain Province



Sir:

This is to submit the activity design for the activity entitled "Soil fertility management through soil sampling and analysis" to be held on February 8 to 9, 2019 at Monamon Sur, Bauko.

Thank you very much and we are hoping for your approval of the conduct of this activity.


RUFINO S. PIAYAS

Science Research Assistant, Extension Unit (SAFE Project)

Conducted

cc: VPAA (faculty and student activity design)
VPAD (staff)
VPRDE (for RDE activities)
VPRGL (for RGL activities)
GAD (for GAD appropriated activities)
SSDO (for student activities)
Record's Office (file)



RESEARCH DEVELOPMENT AND EXTENSION SERVICES

ACTIVITY DESIGN (STAFF)

I. GENERAL INFORMATION

Activity: **SOIL FERTILITY MANAGEMENT THROUGH SOIL SAMPLING & ANALYSIS**

Date & Time of Activity: February 8-9, 2019; 9:00AM – 4:30PM

Venue of Activity: Monamon Sur, Bauko

Participants: Farmer Cooperators

Budget: PHP 19,300.00

Source of Fund: SAFE Project Fund (Training Expenses)

II. RATIONALE

Soil is considered as an alienable resource which has been important in growing crop commodities. As far as growing crop is concern it is important to consider soil fertility because the growth and development of plants is mostly depended on the nutrients available in the soil. Numerous studies revealed that soil fertility is directly associated to climate change like intense rainfall, strong winds and typhoons. Though there are several technologies that could minimized soil fertility loss, farmers may have limited knowledge or technical know-how on the use of these technologies.

Farmers in Mountain Province have diverse farming practices, some of these practices may sustained or slow soil fertility loss while other practices may speed up fertility degradation. Climate change has aggravated fertility loss, terraces farms which are common in the cordilleras are the most vulnerable to this effect. In order to minimize soil fertility loss, the need to retool farmers on soil fertility management is imperative. This training on soil fertility management is designed to enhance the farmers' knowledge and skills on soil sampling and analysis. Through this, farmers are able to know the available nutrients present in their farms and as well the nutrient deficiencies for fertilizer application purposes.

III. OBJECTIVES

1. To discuss the importance of soil sampling and analysis;
2. To demonstrate how soil sampling and analysis is to be done using the soil test kit; and
3. To identify the nutrient needed of farmers' farm as basis for fertilizer application.

IV. EXPECTED OUTPUT

1. Demonstrated to the farmer cooperators how to conduct soil sampling and analysis using soil test kit; and
2. Identified nutrient deficiencies on different farms and recommend amount of fertilizers to be applied.

V. RESOURCE REQUIREMENTS:

A. Budgetary Requirements:

Item	Description	Quantity	Unit Cost	Total Cost
1	Snacks (PM)-2 days	35	60.00	4,200.00
2	Lunch	35	120	8,400.00
3	Snacks (AM)- 2 days	35	60.00	4,200.00



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4	Gasoline & Oil		2,500.00
		Total	19,300.00

B. Human Resources

(Indicate committee members, coordinators, ushers/ usherettes, marshals, etc)

Committee/Task	Number of Persons required	People Responsible/ Members
Secretariat	4	Staff, SAFE Project
Facilitators	4	Staff, SAFE Project
Coordinators	2	Staff, SAFE Project


C. Supplies, Property and Equipment Requirements

Property/ Venue/ Equipment	Date to be used
1 Unit Vehicle	February 8, 2019

VI. PROGRAM:

Activities	Time
Day 1 (February 8, 2019)	
Preliminary Activities	9:00 AM- 9:30 AM
Lecture on the importance of soil sampling and analysis	9:31 AM – 12:00 PM
Outdoor activities	1:30 PM – 4:00 PM
Day 2 (February 9, 2019)	
Preliminary Activities	9:00 AM- 9:30 AM
Outdoor activities	9:31 AM – 4:00 PM

Prepared by:


RUFINO S. PIAYAS
Staff, SAFE Project

Noted:


ELMER D. PAKIPAC
SAFE Project Leader

Reviewed:


VILMA C. SAPIL
Coordinator, Learning and Development

Funds Available:


REXON T. DAMAYAN
Accountant III

Approved:


REXTON F. CHAKAS
College President



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Mountain Province State Polytechnic College

Bontoc, Mountain Province

NOTE:

1. Funds Available portion of this form shall be initialed by the Director for Budget & Fiscal Planning before the Accountant signs.
2. Approval shall be initialed by the Director for Human Resources (HR) before the College President finally approves.
3. For GAD appropriated activities, Noted by portion shall be initialed by the GAD Focal Person.