QUARTERLY RESEARCH PROGRESS REPORT
QUARTER: 3rd

Research Title: Adlay Production: A Climate Change Adaptation and Mitigation Strategy for Marginal Lands

I. Program Objectives:

a. Evaluate the growth and yield of adlay cultivars raised in various marginal lands.
b. Determine the climate change adaptation and mitigation capacity of adlay cultivars under different cultural management practices grown in various marginal lands.
c. Assess the profitability of raising adlay cultivars in various marginal lands.

II. Relevance to VSU & College's Thrust and Priorities:

This project is in line with the University's and College's goals and priorities to address the problem of food security in the country and worldwide affected by climate change. The production of staple crops (rice and corn) may no longer be able to meet the food and feed requirements in the coming years as the area of prime agricultural lands have been decreasing due to conversion into residential, commercial and industrial areas. Thus, the utilization of marginal lands may be an option to offset the impact of reduced farmlands.

The project also responds to the priority thrust of the institution by reducing poverty and improving the livelihood of farmers living in the marginal uplands and address the problems of marginal uplands by adopting different cropping management strategies.

III. Highlights of accomplishments within the quarter

A. Targets for the quarter

Set-up Study 3, (Spacing trial of promising Adlay cultivars), Study 5, (Tillage practices on the growth and yield of promising Adlay cultivars), and Study 6, (Influence of ratoon height on the growth and yield of promising Adlay cultivars). Also, conduct crop monitoring and data collection for Study 4 (Nutrient management on Adlai varieties).

Terminate Study 2 (Comparative Trial of Different Adlay Cultivars), and collect, organize and finalize all the data for analysis. Consult PAG-ASA station for the agrometeorological data gathered.

B. Highlights of accomplishments

Study 2 was terminated; and about 90% of the data were collected, encoded and organized. Only the data collection on herbage dry matter yield is on-going. Meanwhile, Study 6 (Ratooning of different Adlay cultivars) immediately followed using the harvested plants in Study 2.

Study 4 was established, crop care and management such as weeding and fertilization was employed. Some of the agronomic data were already taken. Moreover, continuous crop monitoring and application of different crop production practices were conducted for the other on-going studies.

IV. Physical Report of Operation

A. Research Program

	Particulars/Name and Brief Description of Utilized/ Commercialized Technologies	Number
Outcome Indicator		
1. Number of research outputs utilized by the industry or by other beneficiaries	None	0
Output Indicator		
1. Number of research outputs completed within the year	None	0
2. Percentage of research outputs published in internationally-referred or CHED recognized journal within the year	None	0

B. Technologies/Information patented and commercialized

Technology Invention(s) New Information	Invention Patent Number	Date of Issue	Utilization of Invention		Name of Commercial Product
			Development	Service	
A. **Technology Invention(s)**	NA	NA			NA
B. **New Information**	NA	NA			NA

C. Research papers published *(Identify if articles were for Research, Extension, Innovation or MSc/ PhD Studies)*

	Title	Author (s)	Date/Year/Publication/ Publisher	Remarks *(if Research, Extension, Innovation, Thesis, MSc/PhD*
a. Refereed Journal	NA	NA	NA	NA
Institutional				
National				
International				
b. Semi-popular publ'n (newsletter, etc.)	NA	NA	NA	NA
c. Popularized pub'ln (technoguides, etc.)	NA	NA	NA	NA
d. Book Chapter/s	NA	NA	NA	NA
e. Books	NA	NA	NA	NA

D. **Citation**

Research Output as Cited by Other Researcher(s) in Journal Activities									
Title of Research Output/ Published Journal Articles/ Book	Title of Journal & Vol. Issue/ Year	Keywords	Researcher (s)	Citation Details					
				Author(s) Who Cited the Research Output	Title of Article Where the Research Output Was Cited	Title of Journal	Vol. / Issue / Page No.	City/ Year Published	Publisher
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

V. **Issues, Problems, and Recommendations**

Problems Met	Recommendations
• Heavy rainfall delayed the planting	• Timing of planting was done to enhance seed germination and improve crop stand.
• Stray cows post a risk on the different experimental setup.	• The experimental areas were fenced with bamboo slabs.
• Budget for this year is insufficient for the 6 component studies.	• Needs help from the management
• Delay in the procurement of farm and office inputs in spite of the early submission of PPMP and PRs	• Borrow materials from another project and replace such items once the materials from the PPMP have arrived.
• Insufficient manpower. The project with 6 studies has only 1 laborer, and the number of working days was reduced to 12 days per month causing delays in the establishment of the other component studies.	• Hiring additional 1 project laborer is needed

Submitted by : **ED ALLAN L. ALCOBER**
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Endorsed by : **SUZETTE B. LINA**
College Dean

Date Submitted : _____

Received by OVPREI-RPO: _____

Date Received :_____