



**QUARTERLY RESEARCH PROGRESS REPORT**  
**2nd QUARTER (April – June, 2022)**

**Research Title: National Cooperative Testing Program for Grain Legumes**

- I. Project/Study Objectives** *(Please specify if it is a program/project/study):* This study aimed to: Select and recommend high-yielding, pest, and stress-tolerant legume varieties to the National Seed Industry Council, Determine the best legume varieties that farmers in Eastern Visayas can use, and publish the significant output of the study.

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

Before a variety is recommended to the National Seed Industry Council (NSIC), it must undergo a series of tests across several locations and seasons throughout the country. Therefore, regional NCT trials have been implemented to test the stability of the genotypes in terms of their characteristics, particularly on growth and yield, as well as on pest and disease resistance or tolerance to climatic stresses.

**III. Highlights of accomplishments within the quarter**

- A. Targets for the quarter**  
Conducted 2 trials for dry season trials both Peanut and Grain Legumes
- B. Highlights of accomplishments**  
The project was able to conduct 2 trials and submitted data to NSIC for consolidation and analysis.

**IV. Physical Report of Operation**

**A. Research Program**

	Particulars/Name and Brief Description of Utilized/ Commercialized Technologies	Number
<b>Outcome Indicator</b>		
1. Number of research outputs utilized by the industry or by other beneficiaries	None, still on the process of selection	0
<b>Output Indicator</b>		
1. Number of research outputs completed within the year	Wet and dry season trials were conducted with 12 entries of promising lines both mungbean and peanut	4
2. Percentage of research outputs published in internationally-referred or CHED recognized journal within the year	NA, too early	0



### VSU R&D SEMI ANNUAL REPORT (January – June, 2022)

Center/College/Department: Department of Agronomy

#### A. Research papers/posters disseminated/presented

TITLE OF PAPER/POSTER	DATE, VENUE	RESEARCHERS/PRESENTERS
a. Institutional		
<b>National Cooperative Testing Program for Grain Legumes</b>	In-house Review	Ulysses A. Cagasan
b. Regional		
c. National		
d. International		

#### B. Attendance of researchers to scientific *foral* training/workshop/seminars

TITLE	DATE, VENUE	RESEARCHERS ATTENDED
a. Institutional	NA	
b. Regional	NA	
c. National	NA	
Seminar- Workshop Toward a New Agenda for the Philippines-IRRI Partnership in Rice R4D	January 27-28, 2022	Ulysses A. Cagasan
d. International	NA	
International Conference on Nature Studies and Innovation for the environment 2022 "publishing in an indexed Journal"	March 12, 2022 Phil. Society for the study of Nature, Inc. PSSN and CLSU	Ulysses A. Cagasan

#### C. Technologies/Information patented and commercialized

- Technology patented (**Please give a brief description of the technology, generator and the status of patenting**) NA
- Technology commercialized (**Please give a brief description of the product, impact and the researcher/generator**) NA

#### D. Research papers published

	TITLE	AUTHOR (S)	DATE/YEAR/PUBLICATION/ PUBLISHER
a. Refereed Journal	None	None	None
Institutional			
National			
	Effects of Vermicompost Amelioration	Cornista, JD and UA Cagasan	Innovative Technology & Management Journal January 2022 Eastern Visayas





**ACCOMPLISHMENT REPORT**  
**January 1-31, 2022**

**Research Title: National Cooperative Testing Program for Grain Legumes**

1. Prepared land preparation for the wet season cropping
2. Prepared the bamboo sticks for the label of entries
3. Purchased office and field supplies
4. Consolidated and analyzed the data from the previous cropping
5. Submitted the data previous data to NSIC coordinator

Submitted By:

For:

**ROGELIO N. CORAL**  
Research Assistant

Recommending Approval

**ULYSSES A. CAGASAN**  
Project/Study Leader

Approved

**RUTH O. ESCASINAS**  
Head, Department of Agronomy



**ACCOMPLISHMENT REPORT**  
**February 1-28, 2022**

**Research Title: National Cooperative Testing Program for Grain Legumes**

1. Conducted the two trials for grain legumes peanut and mungbean
2. Monitored and maintained the new germinated seedlings from the pests and  
astray animals
3. Gathered data for the number of days from sowing to germination
4. Prepared and applied the needed amount of fertilizer to peanut and mungbean
5. Conducted weeding operation for both peanut and mungbean trials

Submitted By:

*for: [Signature]*  
**ROGELIO N. CORAL**  
Research Assistant

Recommending Approval

*[Signature]*  
**ULYSSES A. CAGASAN**  
Project/Study Leader

Approved

*[Signature]*  
**RUTH O. ESCASINAS**  
Head, Department of Agronomy




**ACCOMPLISHMENT REPORT**  
**March 1-31, 2022**


**Research Title: National Cooperative Testing Program for Grain Legumes**

1. Prepared for the 1<sup>st</sup> primming of mungbean
2. Processed the mungbean grains
3. Gathered data on mungbean grain yield
4. Prepared for the 2nd primming of mungbean
5. Processed the mungbean grains
6. Gather data on mungbean grain yield

Submitted By:

  
**ROGELIO N. CORAL**  
Research Assistant

Recommending Approval

  
**ULYSSES A. CAGASAN**  
Project/Study Leader

Approved

  
**RUTH O. ESCASINAS**  
Head, Department of Agronomy



**ACCOMPLISHMENT REPORT**  
**April 1-30, 2022**


**Research Title: National Cooperative Testing Program for Grain Legumes**

1. Monitored and gathered data on the number of days from planting to flowering of Mungbean and peanut
2. Harvested the 3<sup>rd</sup> and 4<sup>th</sup> priming of mungbean
3. Processed the cleaning of mungbean seeds
4. Gathered data of mungbean grains/seeds

Submitted By:

  
**ROGELIO N. CORAL**  
Research Assistant

Recommending Approval

  
**ULYSSES A. CAGASAN**  
Project/Study Leader

Approved

  
**RUTH O. ESCASINAS**  
Head, Department of Agronomy





**VISAYAS**  
STATE UNIVERSITY



**DEPARTMENT OF AGRONOMY**

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**ACCOMPLISHMENT REPORT**  
**May 1-31, 2022**

**Research Title: National Cooperative Testing Program for Grain Legumes**

1. Monitored and gathered data on the reproductive stage of peanut
2. Consolidated and analysed data on mungbean
3. Gathered data on the reproductive stage of peanut
4. Prepared bags and other materials needed for the harvesting of peanut

Submitted By:

*for: [Signature]*  
**ROGELIO N. CORAL**  
Research Assistant

Recommending Approval

*[Signature]*  
**ULYSSES A. CAGASAN**  
Project/Study Leader

Approved

*[Signature]*  
**RUTH O. ESCASINAS**  
Head, Department of Agronomy




**ACCOMPLISHMENT REPORT**  
**June 1-30, 2022**


**Research Title: National Cooperative Testing Program for Grain Legumes**

1. Harvested and gathered data on peanut crop
2. Processed and dried peanut grains
3. Gathered and consolidated data on peanut
4. Submitted the data to NSIC coordinator

Submitted By:

For:   
**ROGELIO N. CORAL**  
Research Assistant

Recommending Approval

  
**ULYSSES A. CAGASAN**  
Project/Study Leader

Approved

  
**RUTH O. ESCASINAS**  
Head, Department of Agronomy