Appendix E.

Lal-lo Campus RDE Banner Programs and Projects 2018-2022

Banner Program: High Value Commercial Crops and Cash Crops

Goals: Peanut germplasm collection, varietal evaluation and maintenance for yield and quality, storage life improvement and continuing production of aflatoxin-free materials

Put up a cacao research and development center

Nutrient and water management for improvement organic vegetables towards sustainable and profitable farming

Come up with banana research and development program development of package of technology on lubeg (*syzyguim lineatum*) production, products and by-products as source of livelihood and income for Cagayanos

Objectives: Establish Peanut Germplasm Bank in CSUL

Establish Peanut Production and Demonstration Farm

Evaluate Aflatoxin Disease Variety

Identify Good Agricultural Practices for Yield and Quality Peanut

Production

Conduct study on Variety Evaluation and Shelf Life Performance of

Developed Peanut Lines using Low-Cost Seed Storage Facilities

Conduct Community-Based Peanut Variety Evaluation for Quality Raw

Materials Production for DOST-FIC Product Development

Continue project on Cacao Seed/Nursery Management Improve Cacao Breed Continue Cacao Management and Production Conduct study on Integrated Pest Management for Pest and Diseases of Cacao Establish nutrient and water management for Improvement of organic vegetables towards sustainable and profitable farming Enhance yield in organic farms under conversion Develop bio-fertilizer inputs in increasing and sustaining productivity of organic vegetables under upland conditions Improve water management efficiency in organic farms Produce Organic High Value Crops Conduct survey thru Geotagging Banana Plantation in Region 02 Establish Banana Nursery Develop package of Technology on lubeg (*syzyguim Lineatum*) Production, Products and By-products as source of Livelihood and Income for Cagayanos

Challenges: Financial constraints Time management of faculty in-charge Overlapping of schedule (between workload and assigned project) especially among faculty in-charge Overloading of faculty in-charge Overlapping of assignments and designations especially among small campuses

PlanSpecific projects were assigned to able faculty who are believed to be
experts or capable of handling the project/program

Sought funding from the university and other funding agencies for the sustainability of the project

Proposals are conceptualized and made for submission to agencies for possible funding

COMMODITIES/BANNER PROGRAM: HIGH VALUE COMMERCIAL AND CASH CROPS Campus: CSU Lal-lo Campus

Prioriti	Program/Project/Study	Time frame					Expected Output					
es/Res		2018	201	202	202	202	2018	2019	2020	2021	2022	
earch			9	0	1	2						
Area												
PEAN UT	P.1. Peanut Germplasm Collection, Varietal Evaluation and maintenance for Yield and Quality, Storage Life Improvement and continuing Production of Aflatoxin-Free Materials	6 mos.	12 mos	12 mos	12 mos	12 mos	GP w/ 6 Varietie s 1 Demo F 5 Recipie nts/1Bar angay	GP w/ add'l 6 Varietie s 1 Demo Farm 1POT 1GAP 5 recipient s/+1 baranga y	GP w/ add'l 6varietie s 1 demo F 1POT 1GAP 5 recipient s/+1bar angay	GP w/ add'l 6varietie s 1 Demo Farm 1POT 1GAP 5 Recipie nts/+1B arangay	GP w/ add'l 6 Varieties 1 Demo F 1POT 1GAP 5 Recipient s/+1Bara ngay	
	1.1. Establishment of Cagayan		12	12	12	12	6	6	6	6	6	
	State University Peanut Germplasm Bank		mos	mos	mos	mos	Varietie s	Varietie s	Varietie s	Varietie s	Varieties	
	1.2. Establishment of Peanut		6	6	6	6	1 Demo	1 Demo	1 Demo	1 Demo	1 Demo	
	Production and Demonstration		mos	mos	mos	mos	Farm at	Farm at	Farm at	Farm at	Farm at	
	Farm				•		CSU	CSU	CSU	CSU	CSU	
	1.3. Aflatoxin Disease Variety		6	6	mos	6	At Least	At Least	At Least	At Least	At Least	
	Evaluation		mos	mos	•	mos	I Variaty	I Variaty	 Varioty	I Variaty	i variety	
	1.4 Good Agricultural Practices	6		12	12	12	Identifie	GAP	GAP	GAP for	GAP for	
	for Yield and Quality Peanut	mos	mos	mos	mos	mos	d	Farmers	Practitio	Peanut	Peanut	
	Production						Peanut	adopter	ners	Demo	Demo	
							Farmer to GAP			Farms	Farms	
	1.5. Variety Evaluation and Shelf	24						1POT	1POT	1POT	1POT	
	Life Performance of Developed	mos./				\rightarrow		Peanut	Peanut	Peanut	Peanut	
		cycle									Shelf Life	

_												
		Peanut Lines using Low-Cost Seed Storage Facilities							Shelf Life	Shelf Life	Shelf Life	
		1.6. Community-Based Peanut Variety Evaluation for Quality Raw Materials Production for DOST-FIC Product Development	6 mos.	6 mos	6 mos	6 mos	6 mos	5recipie nts (cluster ed in 1barang ay)	Addition al 5 recipient s+6	Addition al 5 recipient s+6	Addition al 5 recipient s+6	Additional 5 recipients +6
	CACA O	P.2. Cacao Research and Development Center										
		2.1. Cacao seed/Nursery Management					~	2000se edlings 1000gra fted seedling s	2000se edlings 1000gra fted seedling s for registrat ion	2000se edlings 1000gra fted seedling s for registrat ion	2000se edlings 1000gra fted seedling s certified seeds for distributi on	2000seed lings 1000graft ed seedlings certified seeds for distributio n
		2.2. Cacao Breed and improvement					→	Identifie d areas for germpla sm	1 Germpl asm	2 varieties addition al per year	2 varieties addition al per year	2 varieties additional per year
		2.3. Cacao Management and production					→	1 POT to be verified	1 POT to be verified	1 POT to be verified	1 POT	1 POT
		2.4. Integrated Pest Management for Pest and Diseases of Cacao					→	1 POT to be verified	1 POT to be verified	1 POT to be verified		
		2.5. Extension and Technical services										

HVCC	P.3. Nutrient and water management				1 POT				
	for Improvement of organic				to be	to be	to be		
	Vegetables towards Sustainable and				verified	verified	verified		
	Profitable Farming								
	3.1. Enhancement of Yield in				1 POT				
	Organic Farms under Conversion				to be	to be	to be		
					verified	verified	verified		
	3.2. Development of Bio-Fertilizer				1 POT				
	Inputs in Increasing and sustaining				to be	to be	to be		
	productivity of Organic Vegetables				verified	verified	verified		
	under Upland conditions								
	3.3. improvement of Water				1 POT				
	management efficiency in Organic				to be	to be	to be		
	farms				verified	verified	verified		
	P.4. Organic High Value Crops				100kgp	200kgp	300kgp	400kgp	500kgper
	production				er kind	er kind	er kind	er kind	kind
	4.1. Organic "pinakbet"				100kgp	200kgp	300kgp	400kgp	500kgper
					er kind	er kind	er kind	er kind	kind
Banan	P.4. Banana research and				1 center	1	1ha.	+1ha.	+1ha
а	Development program				proposa	nursery	Demo		
							area		
	4.1. Survey thru Geotagging Banana				1	Whole	3	+3provi	+3provinc
	Plantation in Region 02				proposa	Cagaya	province	nces	es
						n	S		
	4.2. Nursery Establishment of				1	1	2	1nurser	1nursery
	Banana					nursery	nurserie	y with 5	with
						with 2	s with	varieties	10varietie
						varieties	3varietie		S
							S		
Other(P.5. development of package of				5 Utility	5 POTs	5 POTs	5 POTs	5 POTs
s)	Technology on lubeg (syzyguim	 _		\rightarrow	Models		for	for blast	for
	<i>Lineatum</i>) Production, Products and				Packag		market	testing	market
	By-products as source of Livelihood				ed		testing		niche
	and Income for Cagayanos								identificat
									ion