

FEB 15 2019

OFFICE PERFORMANCE COMMITMENT AND REVIEW FORM (OPCR)

I, **ERLINDA A. VASQUEZ**, head of PhilRootcrops commits to deliver and agree to be rated on the attainment of the following targets in accordance with the indicated measures for the period July 1 to December 31, 2018.

Othello B. Capuno
OTHELLO B. CAPUNO
 VP for Research and Extension

Erlinda A. Vasquez
ERLINDA A. VASQUEZ
 Name of Ratee

MFOs/ PAPs	Success Indicators	Unit/Persons Responsible	Target	Actual Accomplish ments	Details of Accomplishments	Rating				Remarks
						Q1	E2	T3	A4	
MFO3: Research Services	Number of R&D outputs patented / commercialized / used by the industry or by other beneficiaries <ul style="list-style-type: none"> • Rootcrop varieties • Food Products 	PRDC members / faculty researchers	7	15	Rootcrops varieties used for food and industry: SP – PSB SP-17, NSIC SP-25 and NSIC SP-30 Cassava – NSIC CV-30 (Rayong 5), Kapulotan and Golden Yellow Taro – VG-1 (Kalpao), VG-2 (Iniito) Yam – violet colored yams, kinampay Tissue cultured materials for yam and cassava Pre-planting treatment for CPD using agricultural antibiotic, Streptomycin Sex pheromone for SP weevil Processing machines – cassava grates processing assembly composed of 4 machines – chipper/grater, presser, pulverizer, dryer	5	5	5	5	Cassava varieties are widely used by the industry especially in the manufacture of animal feeds Other rootcrop planting materials are used by the different beneficiaries after the massive distribution campaigns due to calamities as an immediate source of staples Distribution as a result of extension activities like trainings, exhibits and fairs Used by big and small time farmers as a control of the widespread of CPD

					<p>Machines for vacuum fries processing for rootcrops</p> <p>Food products – primary processed products such grates and flour,</p> <p>cassava grated food products, chippy, cacharon, pitsi-pitsi, cakes, cookies, yuca puffs, vacuum fries SP</p> <p>Other food products such as yoghurts, wines, juices</p>					
	Number of research and development outputs in the fields of agro-industrial technology published in CHED recognized referred journals	PRDC Members	6	9	<p>2 – VZA – Intl. J. Res. Agric. Sci</p> <p>1 – JDT – Acta Horticulturae</p> <p>2 – Handbooks</p> <p>1 – MAQ – Sago Palm Journal</p> <p>1 – JLB – Sago Palm Journal</p> <p>1 – ABT –J. Natural Products Communication</p> <p>1 - EET – J. Natural Products Communication</p>	I	5	5	5	<ul style="list-style-type: none"> • Practical Guide on Good Manufacturing Practices (GMP) for Food Processors, ISBN application on-going. JDTan • Practical Guide on Sanitation Standard Operating Procedures (SSOP) for Food Processors, ISBN application on-going. JDTan • AFSA-2018-07. Julie D. Tan, Genesis Jared A. Cutamura, Rogelio Q. Clavite, Jr., Sarah Jean C. Sugano, Mary Rose M. Maniego and Inish Chris P. Mesias (2018). Quality and safety enhancement of cassava-based food products in the Philippines. The 4th AFSA proceedings on food safety and food security. ISBN No. 2306-2150. Page 71-80.

										<ul style="list-style-type: none"> • Durability of Sago Thach on Beach Huts of the VSU Resort, Leyte. Sago Palm Journal. M.A. Quevedo and JLBacusmo • Evaluation of Antipneumotic Effect of Philippine Essential Oils Using Broth Microdilution Volatilization Method and Their Lung Fibroblasts Toxicity. Journal of Natural Products Communication. E.E. Tulin & A.B. Tulin • Acedo, V. Z. Damasco, O.P., Laurena, A. C., Sta. Cruz, P.C., Namuco, L.O. and Lalusin, A. G. 2018. In vitro shoot tip response to encapsulation dehydration procedure for cryopreservation of Philippine Taro (<i>Colocasia esculenta</i> (L.) Schott). Intl. J. Res. Agric. Sci 5(2): 108-115. • Acedo, V. Z. Damasco, O.P., Laurena, A. C., Sta. Cruz, P.C., Namuco, L.O. and Lalusin, A. G. 2018. Shoot tip splitting for rapuid micropropagation of Philippine Taro (<i>Colocasia esculenta</i> (L.) Schott). Intl. J. Res. Agric. Sci 6(2): 38-46.
	Number of faculty	PRDC Members	4	6	JDTan	5	5	5	5	

	engaged in research work applied in any of the following: <ul style="list-style-type: none"> Publishing (investigative, or basic and applied scientific) 				VZAcedo ABTulin EETulin MAQuevedo JLBacusmo					
	ADDITIONAL OUTPUTS									
	Number of Outputs Presented in Regional / National / International Fora / Conferences	PRDC Members / Faculty Researchers								
	<ul style="list-style-type: none"> In International fora / conferences 		5	9	VZA – 3 – Seim Reap, Cambodia LAD – 1 – Seim Reap, Cambodia DLST – 2 – Seim Reap, Cambodia JDT – 1 – Seim Reap, Cambodia EET – 1 – Istanbul, Turkey ABT – 1 – Istanbul, Turkey	5	5	5	5	
	<ul style="list-style-type: none"> National Fora / Conferences 		8	12	VZA – 5 (PAPTCB), papers and poster LAC – 1 (PAN) MAQ– 1 PCAARRD National workshop on Value Chain DLST – 1 - NRCP DLST – 1 DA-BAR NRS Symp, paper JDT – 1 DA-BAR NRS Symp, paper EET – 1 DA-BAR NRS Symp, paper ABT – 1 DA-BAR NRS Symp, paper	5	5	5	5	
	<ul style="list-style-type: none"> In Regional / local fora / conferences 		35	44	30 th RRDEN - 6 (EET, ABT, VZA, JRR, ABL., MMT) S&T Forum - 1 (VZA) In-house Review - 37 (All PRDCs)	5	5	5	5	
	Number of awards received by staff <ul style="list-style-type: none"> International 	PRDC Members	10	15	VZA – CSSP Outstanding Researcher VZA – UPLBCA Distinguished Alumna VZA – Outstanding Paper (Research	5	5	5	5	

	al / National / Regional / local				Category), 30 th ViCARP-RRDEN VZA – Best Poster, 30 th ViCARP-RRDEN ABT – Presidential Lingkod Bayan Awardee (Regional winner) ABT – Presidential Lingkod Baybay (national semi-finalist) EET – Gold Award AFMA R&D EET – NSTW Best Research Administrator EET/ABT – Outstanding Paper, 30 th ViCARP-RRDEN EET/ABT – Best Poster (1 st place), 30 th ViCARP-RRDEN ABL – Best Paper, 30 th ViCARP-RRDEN JRR – Best Paper, 30 th ViCARP-RRDEN EAV – Outstanding Teacher, Metrobank Foundation, national semi-finalist					
	Number of Research Projects Implemented	PRDC Members	9	10	EET – 1 – DA-BAR EET – 1 – DOST DLST – 3 – DA-BAR EAV – 1 – DA-BAR EAV – 1 – DA MAQ – 1 – DA-BAR VZA – 2 – VSU	✓	✓	✓	✓	Research funds generated in the amount of PhP 67.2 M
	Amount / value of research funds / resources externally generated	PRDC Members	7.0M	62.0 M	DA-BAR – 30.0 M DA - 32.0 M DOST - 5.0 M VSU - 0.2 M	✓	✓	✓	✓	Research funds generated from newly approved projects totaled to P67.2M (from DA, DA-BAR, DOST, and VSU)
	Amount / value of research funds / resources from institutional funding	PRDC Members	130,000	5,017,217		✓	✓	✓	✓	Funds from OVPRE, funding for 21 research projects plus the Center's operation
	Number of technologies	PRDC Members	7	13	2 machines for vacuum fried rootcrop processing – single drum and double	✓	✓	✓	✓	

	developed				<p>drum vacuum fryer</p> <p>1 extruder for puffed products</p> <p>1 extruder for cassava chippy</p> <p>2 food products – SP and cassava vacuum fries</p> <p>Physico-chemical characteristics of selected recommended cassava, sweetpotato, yam and taro for product development options</p> <p>Rootcrop tissue culture technologies –</p> <ul style="list-style-type: none"> • Techniques for breaking yam dormancy for year-round supply of yam planting materials • Protocol for yacon micropropagation • Rapid micropropagation of taro through shoot tip splitting <p>Vine cutting propagation of purple yam</p> <p>Good cultural management practices for tissue culture derived planting materials</p> <p>NCM ELISA for the detection of cassava phytoplasma disease (CPD)</p>					
	Number of MOA forged	PRDC Members	3	5	MOA for newly funded projects	4	5	5	4.67	DA-BAR and DOST funded projects
	Number of proposal prepared and submitted to different funding agencies	PRDC Members	4	6	<p>1-LFGPalermo</p> <p>1-EAVasquez</p> <p>1- MAQuevedo</p> <p>2-DLSTan</p> <p>1-ABL</p>	5	5	5	5	All these proposals were submitted to DA-BAR / DA
	Percentage of Research Projects	PRDC Members	90	100		5	5	5	5	

	Conducted and Completed on Schedule									
	Acquisition of Research Equipment	PRDC Members	7	10	<u>Soil Environment Lab</u> 1 unit High capacity orbital shaker – 225,600.00 <u>Computer Lab</u> 1 unit UHD Curved Smart TV 45" estimated price Php 45,000.00 <u>Tuklas Lunas</u> 1 unit Inverted Microscope- P1,000,000.00 <u>CASL</u> 1 unit Protein digester- 512,998.80 1 unit smart pack for water purification system -70,000 1 unit computer - 30,000. <u>Biotech Laboratory</u> Laptop Computer = Php. 39,800.00 <u>Pest Management Laboratory</u> Biological safety cabinet – P400,000.00 Stereoscopic Microscope – P 100,000.00 <u>Administrative Office</u> 1 unit photocopying machine – 70,000.00	5	5	5	5	
MFO4: Extension Services	Number of partnerships with LGUs, industry, small and medium enterprises, and local entrepreneurs and other national	Extension Division	8	33		5	5	5	5	Partnerships with the different LGUs in the region and even in the whole country. This is an output of the nationwide PhilRootcrops project on cassava and sweetpotato value chain

	agencies in developing, implementing or using new technologies relevant to agro-industrial development									
	Number of poor beneficiaries of technology transfer / extension program and activities leading to livelihood improvement	Extension Div	500	1057		✓	✓	✓	✓	Beneficiaries include participants of trainings, recipients of planting materials and other disseminated technologies, project beneficiaries
	ADDITIONAL OUTPUTS									
	Number of trainings / workshops / symposia conducted	Extension Division	8	17		✓	✓	✓	✓	Project related trainings/ requested trainings
	Number of person-days trained weighted by length of training	Extension Division	500	1212		✓	✓	✓	✓	
	Percent of trainees who rated the training as satisfactory or better	Extension Division	100	100		✓	✓	✓	✓	
	Number of distributed IEC materials / technoguides / developed / used	Extension Div/ Admin Div	500	1057		✓	✓	✓	✓	
	Percent of requests for IEC materials responded within 3 days	Extension Division	100	100		✓	✓	✓	✓	

	Number of planting materials distributed / sold	Production Division	120,000	578,688	Cassava – 524,688 pcs SP – 53,000 pcs Gabi – 1,000 pcs Yam – 1,000 kgs	✓	✓	✓	✓	Planting materials distribution throughout the country
	Number of walk-in clientele briefed with PhilRootcrops technologies	Extension / Administrative Division	400	500		✓	✓	✓	✓	Include farmers, students, researchers, training participants
	Number of students accepted for internship	Extension Division / Engineering Div	3	4		✓	✓	✓	✓	Intern students from the Department of Agricultural Extension
	Number of partnerships with different funding agencies		4	10	Partnerships with DTI, DOST, different LGUs, ATI, ABS-CBN, CARE, Mereco	✓	✓	✓	✓	This is in connection with the implementation of nationwide cassava and sweetpotato value chain projects
	Membership of staff in National TWG / Regional TWG		2	7	<p><u>DLSTan</u></p> <ul style="list-style-type: none"> • Member, TWG for the Phil. National Standards for cassava chips, granules and grates • Member, TWG for the Phil. National Standards for mechanical dryers <p><u>EAVasquez</u></p> <ul style="list-style-type: none"> • Member – National Technical Working Group for Cassava Standards • Secretary – Regional Rootcrop Commodity Team • Member – CCMEA • Technical Consultant – BPI • National Evaluator of Corn Cassava and HVCC programs <p><u>DOFErraren, NLPido, JLBacusmo</u></p> <ul style="list-style-type: none"> • Member – National Rootcrop Technical Working Group 	✓	✓	✓	✓	

					JRRoa <ul style="list-style-type: none"> • Member, PCAF • Member, National Technical Working for Cassava Standards • National Evaluator of Corn Cassava and HVCC program VZAcedo <ul style="list-style-type: none"> • Board Member, Federation of Plant Science Association of the Phil • Board Member, PAPTCB 					
	No. of extension projects implemented		3	6	IEPR (component projects) plus extension component of SP-ISP project and cassava value chain projects ATI-funded extension project	✓	✓	✓	✓	
	Amount of extension money generated from external funding (Thousand PhP*)	Extension Division	160,000	4.5M	Funding for the IEPR with 5 component projects Funding for ATI-funded project	✓	✓	✓	✓	IEPR funding from VSU ATI funding
MFO 5:										
Support to Operations	Income generating services			2.4 M	2,408,717.99	✓	✓	✓	✓	Income from the central Analytical Services Lab
MFO6: General Administration and Support Services	Records and filing services	Administrative Division	100%	100%		✓	✓	4	4.67	Documents 100% filed
	Administrative	Administrative								

[illegible]

Average Rating										
Adjectival Rating										

Received by:

DILBERTO O. FERRAREN
VP for Planning and Res. Gen

Date: _____

Calibrated by:

REMBERTO A. PATINDOL
VP for Administration and Finance

Date: _____

Recommending Approval:

OTHELLO B. CAPUNO
VP for Res. & Ext.

Date: _____

Approved by:

EDGARDO E. TULIN
President

Date: _____

1 - Quality / effectiveness

2 - Efficiency

3 - Timeliness

4 - Average