

QUARTERLY PHYSICAL REPORT OF OPERATION
As of December 31, 2024

BAR No. 1

Department : Department of Agriculture (DA)
 Agency/Entity : Philippine Center for Postharvest Development and Mechanization
 Operating Unit : < not applicable >
 Organization Code : 05 011 00000000
 (UACS)

Particulars	UACS CODE	Physical Target (2024)					Total	Physical Accomplishment (2024)				Variance as of December 31, 2024	Remarks
		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	6		7	8	9	10		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
AGRICULTURAL MECHANIZATION AND POSTHARVEST RESEARCH, DEVELOPMENT AND EXTENSION PROGRAM	3101000000000000												
OO : Increase resource-use efficiency and productivity, reduce losses and add value to the produce through research, development, and extensions													
Outcome Indicator(s)													
1. Percentage increase in the number of new technology adopters/users		-	7.5%	4.7%	7.8%	20% increase annually	5.24%	3.17%	4.94%	7.18%	20.53%		Technology Adopters: TOTAL as of December 31, 2024 = 349 Group (Cooperatives/Associations) - 41 Individuals - 277 Researchers - 31 4th Quarter Accomplishments: TOTAL = 122 Group (Cooperative/Association) - 17 Individuals - 93 Researchers - 12
		-	128	80	132	340	89	54	84	122	349		

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		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	1st Quarter		2nd Quarter	3rd Quarter	4th Quarter				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
AGRICULTURAL MECHANIZATION AND POSTHARVEST RESEARCH, DEVELOPMENT AND EXTENSION PROGRAM	3101000000000													
OO : Increase resource-use efficiency and productivity, reduce losses and add value to the produce through research, development, and extensions														
2. Percentage increase in the number of intellectual property applications filed		4.2%	4.2%	6.2%	10.4%	25% increase annually	4.17%	6.25%	6.25%	12.50%	29.17%			
													Submitted Intellectual Property applications: 1. Method and Apparatus for Automation of Liquid Level and Flow in Newtonian Liquid Food Processing System (Patent) 2. Handheld Copra Moisture Meter (Patent) 3. Computer-based Automatic Mango Sorter(Patent); 4. Agricultural Hand Truck Soil Digger (Patent) 5. Copra Moisture Meter (Industrial Design) 6. Method and Composition for Preventing Collettrichum gloeosporioides that Causes Anthracnose Disease on Mango Fruit Using Bioactive Compounds of Lemon Grass (Patent) 7. Agricultural Hand Truck Soil Digger (Industrial Design) 8. Process for Extraction of Cacao Pectin from Cacao Pod Husk (Utility Model)	



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1	2													
AGRICULTURAL MECHANIZATION AND POSTHARVEST RESEARCH, DEVELOPMENT AND EXTENSION PROGRAM	3101000000000													
OO : Increase resource-use efficiency and productivity, reduce losses and add value to the produce through research, development, and extensions														
2. Percentage of Research and Development results commercialized			10%	25%	15%	50%	5%	5%	20%	20%	50%			Technologies Commercialized 1. Brown Rice Micro Mill Business Operating Manual 2. Automation of Mango Sorting using Computer Vision System 3. Value Chain Mapping of Carrots: The Case of Negros Oriental, Philippines 4. Assessment on the Postproduction Systems and Losses of Calamansi in the Philippines: Oriental Mindoro to Manila Market Chain 5. PHIMech Pectin-based Edible coating for fruits 6. Geometry dependence of heating in a U-tube heat exchanger for pasteurization


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1	2	3	4	5	6	7	8	9	10	11	12	13	14	
AGRICULTURAL MECHANIZATION AND POSTHARVEST RESEARCH, DEVELOPMENT AND EXTENSION PROGRAM	3101000000000													
OO : Increase resource-use efficiency and productivity, reduce losses and add value to the produce through research, development, and extensions														
2. Percentage of Research and Development results commercialized			2	5	3	10	1	1	4	4	10		4th Quarter Accomplishments	
3. Number of individuals trained on technology utilization / adoption		398	754	302	224	1,678	408 (Male = 212 Female = 196)	1035 (Male = 563 Female = 472)	461 (Male = 210 Female = 251)	494 (Male = 258 Female = 236)	2398 (Male = 1,243 Female = 1155)		7. Assessment of the Yellow Corn Harvesting and Shelling Losses in Pangasinan, Isabela, Bukidnon and South Cotabato, Philippines 8. Information on the Financial and Social Acceptability of the Mechanized Production System for Onion 9. Financial Analysis of Pasteurized Coconut Water with Fruit and Vegetable Blend 10. Postproduction System and Losses of Mango in Davao del Sur, Philippines	

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 Date:

Approved by: 
DIONISIO G. ALWINDIA, Ph.D.
 Director-IV
 Date:

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