

**QUARTERLY PHYSICAL REPORT OF OPERATION**  
As of September 30, 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 0000000  
 (UACS)

Particulars	UACS CODE	Physical Target (2024)					Total	Physical Accomplishment (2024)				Total	Variance as of Sept. 30, 2024	Remarks
		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	5		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter			
1 AGRICULTURAL MECHANIZATION AND POSTHARVEST RESEARCH, DEVELOPMENT AND EXTENSION PROGRAM	2 31010000000000	3	4	5	6	7	8	9	10	11	12	13	14	
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%		13.35%		Technology Adopters: TOTAL as of Sept. 30 = 227 Group (Cooperatives/ Associations) - 24 Individuals - 184 Researchers - 19 <u>3rd Quarter Accomplishments:</u> TOTAL = 84 Group (Cooperative/ Association) - 17 Individuals - 55 Researchers - 12	
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%		16.67%		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);	



**QUARTERLY PHYSICAL REPORT OF OPERATION**  
As of September 30, 2024

BAR No. 1

Department : Department of Agriculture (DA)  
 Agency/Entity : Philippine Center for Postharvest Development and Mechanization  
 Operating Unit : < not applicable >  
 Organization Code : 06 011 0000000  
 (UACS)

Particulars	UACS CODE	Physical Target (2024)					Total	Physical Accomplishment (2024)				Variance as of Sept. 30, 2024	Remarks
		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	31010000000000												
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		2	2	3	5	12	2	3	3		8		4. Agricultural Hand Truck Soil Digger (Patent) 5. Copra Moisture Meter (Industrial Design) 3rd Quarter Accomplishments 6. Method and Composition for Preventing Collettrichum gloeosporioides that Causes Anthracnose Disease on Mango Fruit Using Bioactive Compounds of Lemmon Grass (Patent) 7. Agricultural Hand Truck Soil Digger (Industrial Design) 8. Process for Extraction of Cacao Pectin from Cacao Pod Husk (Utility Model)

QUARTERLY PHYSICAL REPORT OF OPERATION  
As of September 30, 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 0000000  
(UACS)

Particulars	UACS CODE	Physical Target (2024)					Total	Physical Accomplishment (2024)				Total	Variance as of Sept. 30, 2024	Remarks
		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter			1st Quarter	2nd Quarter	3rd Quarter	4th Quarter			
1 AGRICULTURAL MECHANIZATION AND POSTHARVEST RESEARCH, DEVELOPMENT AND EXTENSION PROGRAM	2 31010000000000	3	4	5	6	7	8	9	10	11	12	13	14	
OO : Increase resource-use efficiency and productivity, reduce losses and add value to the produce through research, development, and extensions														
Output Indicator(s) 1. Number of technologies developed or improved			3	4	3	10	2	2	6		10			
														Technologies developed (Hardware, Information & Process) 1. Information on the Financial and Social Acceptability of the Mechanized Production System for Onion 2. Information on the Financial and Social Acceptability of the Brown Rice Micro Mill 3. Copra Moisture Meter 4. Information on the Establishment of Cacao Briquetting System 3rd Quarter Accomplishments 5. Ex-Ante Evaluation for the Development of a Sugarcane Dethresher and Harvester 6. Process of Producing Artificial Infection of Anthracnose Disease On Banana Fruit Using <i>Colletotrichum musae</i> (NH-2000) 7. Method for Controlling Anthracnose Diseases of Mango Using Secondary Metabolites of <i>Cymbopogon citratus</i>

QUARTERLY PHYSICAL REPORT OF OPERATION  
As of September 30, 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 0000000  
(UACS)

Particulars	UACS CODE	Physical Target (2024)					Total	Physical Accomplishment (2024)				Total	Variance as of Sept. 30, 2024	Remarks
		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	31010000000000													
OO : Increase resource-use efficiency and productivity, reduce losses and add value to the produce through research, development, and extensions														
1. Number of technologies developed or improved														
2. Percentage of Research and Development results commercialized		-	10%	25%	15%	50%	5%	5%	20%		30%			
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)		1904			
8. Method and Composition for Preventing Finger Rot Disease of Banana Fruit Using Secondary Metabolites of Citrus Peel														
9. Method of Producing Artificial Infection of Anthracnose Disease on Mango Fruit Using Colletotrichum gloeosporioides INH-FPD 500010.														
10. Method and Composition for Preventing Colletotrichum gloeosporioides that Causes Anthracnose Disease on Mango Fruit Using Bioactive Compounds of Lemon Grass														

Prepared by:

*Kristina Luz B. Sebastian*  
KRISTINA LUZ B. SEBASTIAN  
Chief, Planning, Management, and Information Technology Division  
Date: 10/24

This report was generated using the Unified Reporting System on October 14, 2024 5:14 PM, Status: SUBMITTED

Approved by:

*Dionisio S. Alwindia, Ph.D.*  
DIONISIO S. ALWINDIA, Ph.D.  
Director IV  
Date: 10/24