

Department of Agriculture

Budget Accountability Report #1 (Physical Report of Operation)

For the Second Quarter of 2013

Agency: Philippine Center for Postharvest Development and Mechanization (PHilMech)

Found source: Regular

KEY OR MAJOR PROGRAMS/ PROJECTS	MAJOR FINAL OUTPUTS (MFO)/ Performance Indicators (PIs)	Unit of Measure	PHYSICAL		REMARKS
			Rapid, Inclusive and Sustained Economic Growth		
			Target	Accomplishment	
Operations					
Research, Development and Extension Programs on Mechanization and Postharvest Generation and Dissemination of Postharvest Technologies for Grains and Commercial Crops	<p>MFO 1 Agriculture and fishery support services delivered</p> <p>1.5 Other infrastructure and postharvest development services</p> <p>Postharvest research and development activities conducted</p> <p>New</p>	no. of new projects conducted	(13)	(13)	<p>1. Development and Field Testing of the Commercial Scale Conveyor Dryer with Combined Far Infrared and Convecting Heating (FIRCH) Systems for Drying Mango Slices</p> <p>2. Design and Development of a Cassava Harvester</p>

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				<p>3. Development of Agricultural Tractor Implements for Various Farm Operations - Phase 1. Hand Tractor Mounted Rice Transplanter and Harvester</p> <p>4. Development of a Pilot Scale Processing System for the Production of Pectin from Mango Peels</p> <p>5. Utilization of Coconut Water Extracted from Matured Coconut</p> <p>6. Utilization of Onion Solid Waste as Feedstock for Biogas Production</p> <p>7. Development of Corn Postproduction Modules for Farmer-Based Agribusiness Enterprises</p> <p>8. Non-chemical Approaches for Managing Postharvest Diseases of Tropical Fruits (Module 4-Papaya)</p> <p>9. Toxigenic Potential of Fungal Species from Coffee Beans in the Philippines (aka Toxigenic potential of aspergillus and penicillium species from coffee beans)</p>	

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	Continuing (on-going and continuing activities)	no. of continuing projects conducted	(17)	<p>10. Characterization of Microbiota Associated with Cacao Beans</p> <p>11. Identification of wolbachia Endosymbionts in Storage Population of Philippine Psocids and Mites</p> <p>12. Influence of Trichoderma sp. In Preventing Postharvest Diseases in shallot and Bulb Onion</p> <p>13. Development of web-based System and On-site Identification of Insects in Grains</p> <p>(17)</p> <p>1. Grain Drying Services thru PhilMech Drying Center</p> <p>2. Development of an Impeller Type Brown Rice Huller</p> <p>3. Ohmic Blanching of Selected Fruits and Vegetables</p> <p>4. Utilization of Biodegradable Composite Materials in the Production of Banana Fruit Bag</p>	

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				5. Utilization of Biomass Furnace By-products as Fuel Briquettes 6. Performance Verification of PHilMech CVS for Quality Analysis of Rice and Corn 7. Enhancing Quality and Safety of Moringa Products 8. Technology Support to the National Cold Chain Program 9. Value Chain Analysis Towards an Integrated Bulk Handling System for Corn: From Mindanao to Manila and Cebu 10. Assessment of Rice and Corn Mechanization in the Philippines Project 2. Assessing the Level of and the Factors Driving Mechanization of Rice and Corn Farms in the Philippines (PHilMech Coverage) 11. Using Electro-kinetic Treated Nutrient Solution for Shelf Life Quality of Cut Flowers 12. Resistance of Storage Insect Pests to Phosphine	

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	Completed	no. of completed projects conducted	0	<p>13. A Midgut Trypsin-like Enzyme in the Cigarette Beetle <i>Lasioderma serricorne fabricius</i> Molecular Cloning and Biochemical Studies</p> <p>14 Implementation of Quality Assurance Plans in LSD</p> <p>15. Cataloguing of Microbial Cultures and Collection</p> <p>16. Implementation of Quality Control Procedures in Microbiological Laboratory</p> <p>17. Provision of Analytical Services</p>	
	Postharvest related information and communication technology activities conducted (e.g. information system/database developed / maintained . Enhanced, website maintained, ICT facilities upgraded or maintained)	no. of PH related information and communication technology activities	(4)	<p>Designs, implements and continuously improves information system plan (ISP) that will support the information needs of PHILMech</p>	

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	<p>1.6 Extension support, education and training services</p> <p><u>On production and post-production technologies</u></p> <p>Participants/ Extension Personnel Trained</p> <p>Female</p> <p>Male</p>	<p>total no. of participants</p> <p>no. of participants</p>	<p>232</p> <p>105</p> <p>127</p>	<p>Information Systems Management and Development in support to research, development and extension</p> <p>Regular maintenance of computer hardware and accessories, local area network, information systems, internet services including website, mails, and communication facilities</p> <p>Provision of technical assistance internally and externally on geographic information system, database management expert and decision system development and other related computer applications</p> <p>225</p> <p>92</p> <p>133</p>	<p>588 farmers and farmer leaders were also trained on postharvest and mechanization technology</p>

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	Training and training-related activities / events conducted	total no. of training & training related events	16	18	
	Training of Trainers (TOT) conducted:	no. of training course	1	1	
	Other training-related activities conducted:	no. of training-related activities conducted	15*	17	* Target for Rice Mechanization and Organic Agriculture included
				Skills Training on the Operation and Maintenance of Selected Agricultural Machineries	
				3 Techno demo on PHILMech generated technologies (for Cashew, Coffee and Mango), 3 batches of Technical Symposium/techno demo on Postharvest and Mechanization, 1 technical assistance on postharvest facility, 5 workshops/conference/agri-exhibit on Rice Mechanization, and 5 technical assistance (briefing/orientation) on Organic Agriculture	Additional batches of Technical Symposium were conducted to maximize the availability of machineries during the PHILMech anniversary and to cater more farmers/farmer leaders.

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	Information, Education and Communication Developed/ Disseminated				
	Print	no. of copies developed/ disseminated	9,106	9,500	Target was accomplished during the first quarter
	Audio-visual media	no. of copies produced / disseminated	10	9	
	Radio programs /TV plugs/Jingle	no. of radio promotions aired	3	3	
	Advertisements	no. of copies published	1	-	
	Others (specify):				
	Electronic media and other IEC materials produced and published	no. of digitized IEC materials disseminated	14	14	
	Extension-related research and New	no. of projects	1	1 Development of Micro Enterprises using the MCSTD	
	Continuing (on-going and continuing activities)	no. of projects	1	1	

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	Extension-related Information and Communication Technology (ICT) conducted (e.g. information system/database developed, ICT facilities upgraded/maintained, OPAPA)	no. of ICT activities conducted	(1)	Enterprise Capability Enhancement of Existing Cashew Processors in Selected Areas (1) GIS-Based Decision-Support System for Postharvest Development and Mechanization	
Support to Operations					
Activities in Support of Research, Development and Extension Programs on Mechanization and Postharvest	MFO 3 Plans and Policies Developed, Implemented, Monitored and Evaluated Output Indicators: National agriculture and fishery plans formulated and distributed Evaluation studies conducted		1 (1)	1 PHilMech 2014 Budget Estimates using DBM prescribed form (1) Assessment of the Rice and corn Mechanization in the Philippines	

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	Reports (by type) disseminated		5	5 Regular Accomplishment Reports (Quarterly/Annual BAR 1 & Highlights), Reports for SONA, Status Report on Climate Change, Reports for DBM (List of projects, description, & budget), COA Monitoring Report	

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