

Department of Agriculture

Budget Accountability Report #1 (Physical Report of Operation)

For the First 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	5	5	<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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	Continuing (on-going and continuing activities)	no. of continuing projects conducted	17	<p>3. Development of Corn Postproduction Modules for Farmer-Based Agribusiness Enterprises</p> <p>4. Non-chemical Approaches for Managing Postharvest Diseases of Tropical Fruits (Module 4-Papaya)</p> <p>5. Toxigenic Potential of Fungal Species from Coffee Beans in the Philippines (aka Toxigenic potential of aspergillus and penicillium species from coffee beans)</p> <p>On-going Projects</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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				<p>5. Utilization of Biomass Furnace By-products as Fuel Briquette</p> <p>6. Performance Verification of PHilMech CVS for Quality Analysis of Rice and Corn</p> <p>7. Enhancing Quality and Safety of Moringa Products</p> <p>8. Technology Support to the National Cold Chain Program</p> <p>9. Value Chain Analysis Towards an Integrated Bulk Handling System for Corn: From Mindanao to Manila and Cebu</p> <p>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)</p> <p>11. Using Electro-kinetic Treated Nutrient Solution for Shelf Life Quality of Cut Flowers</p> <p>12. Resistance of Storage Insect Pests to Phosphine</p>	

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	Completed	no. of completed projects conducted	4	<p>13. A Midgut Trypsin-like Enzyme in the Cigarette Beetle <i>Lasioderma serricorne fabricius</i> Molecular Cloning and Biochemical Studies</p> <p>Continuing activities</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> <p>4</p> <p>1. Power available and the policy issues impinging on agricultural mechanization in the Philippines Study 1. Determination of the power available for utilization in agricultural mechanization</p> <p>2. Evaluation of Botanical Pesticides</p>	

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	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>3. Non-chemical Approaches for Managing Postharvest Diseases of Tropical Fruits (Module 3- Pineapple)</p> <p>4. Implementation of management systems for disposal of biological and chemical wastes</p> <p>(4)</p> <p>Designs, implements and continuously improves information system plan (ISP) that will support the information needs of PHIMech</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>	

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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>Training and training-related activities / events conducted</p> <p>Training of Trainers (TOT) conducted:</p>	<p>total no. of participants</p> <p>no. of participants</p> <p>total no. of training & training related events</p> <p>no. of training course</p>	<p>110</p> <p>60</p> <p>50</p> <p>10</p> <p>1</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>112</p> <p>46</p> <p>66</p> <p>11</p> <p>1</p> <p>National Technical Conference on Mechanization and Postharvest Technology</p>	

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	Other training-related activities conducted:	no. of training-related activities conducted	9*	10**	*Includes targets for Rice Mechanization (3) and Organic Agriculture (2)
	Information, Education and Communication Developed/ Disseminated				** Includes accomplishments for Rice Mechanization and Organic Agriculture
	Print	no. of copies developed/ disseminated	9,103	8, 111	Delayed production of 1,000 copies technical bulletin due to IPR issue
	Audio-visual media	no. of copies produced / disseminated	6	5	

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	Radio programs /TV plugs/Jingle	no. of radio promotions aired	2	1	Responded to request of other agencies . Target for advertisement was included in the 2nd quarter.
	Advertisements	no. of copies published	0	2	
	Others (specify): Electronic media and other IEC materials produced and published	no. of digitized IEC materials disseminated	19	32	
	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 Enterprise Capability Enhancement of Existing Cashew Processors in Selected Areas	
	Completed	no. of projects	1	1 Accelerating the Establishment of MCSTD-Based Enterprises in the Philippines	

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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	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 2013 PFP Regular Fund Assessment of 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), Status Report (AFMA & RiceMech), Climate Change Actions & Directions, List of Priority Technologies for DOST, Major Programs and Projects	

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