

Appendix 16  
BAR No. 1

## QUARTERLY PHYSICAL REPORT OF OPERATION As of 2nd Quarter 2021

Department : Department of Agriculture (DA)  
Entity Name : \_\_\_\_\_  
Operating Unit : BUREAU OF SOILS AND WATER MANAGEMENT (BSWM)  
Organization Code (UACS) : 050010000000

<input checked="" type="checkbox"/>	Current Year Appropriations
<input type="checkbox"/>	Supplemental Appropriations
<input type="checkbox"/>	Continuing Appropriations
<input type="checkbox"/>	Off-Budget Account

Particulars	UACS CODE	Physical Targets					Physical Accomplishments					Variance as of Dec 2021	Remarks
		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total		
1	2	3	4	5	6	7=(3+4+5+6)	8	9	10	11	12=(8+9+10+11)	13	14
<b>Part A</b>													
<b>I. Operations</b>													
<b>NATIONAL RICE PROGRAM</b>													
Technical and Support Services Program													
Extension Support, Education and Training Services (ESETS) Subprogram	310103100001000												
Institutional Development of SWISA													
SWISA organized/reorganized		8	20	20	12	60	19	21			40		Increase in the number of request received for SWISA organization, esp recipients of SSIP interventions
Training events conducted		18	50	50	32	150	14	36			50		Increase in the number of interested farmers who attended the trainings
Individual Participants		360	1,000	1000	640	3,000	336	868			1204		
IEC Materials Disseminated													
IEC Reading Materials (Print)		580	1,600	1,520	980	4,680	524	1520			2,044		Increase in the number of interested farmers who attended the trainings
Research and Development Subprogram	310104100001000												Piloting of Soil Ameliorants in Zinc Deficient Areas
Strategic RDE Support													
R&D Study Conducted		1	(1)	(1)	(1)	1	1	(1)			1		
<b>NATIONAL CORN PROGRAM</b>													
Research and Development Subprogram	310104100030000												
Sustainable Land Resource Management Approach in Developing Agro-environmental Potential of Vulnerable Uplands and Hilly Lands (SLRMA)		1	(1)	(1)	(1)	1	1	(1)			1		
Specialized Farmers Training Conducted		0	6	0	0	6	0	4			4		

Particulars	UACS CODE	Physical Targets					Physical Accomplishments					Variance as of Dec 2021	Remarks
		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total		
1	2	3	4	5	6	7=(3+4+5+6)	8	9	10	11	12=(8+9+10+11)	13	14
<b>NATIONAL ORGANIC AGRICULTURE PROGRAM (NOAP)</b>													
<b>Research and Development Subprogram</b>	310104100005000												
Research and Development Studies conducted		6	(6)	(6)	(6)	6	6	(6)			6		1. Soil Health Assessment and Microbial Community Analysis in Organic, Low External Input and Conventional Rice and Vegetable Production Systems Project 2. Assessment of Biochar Derived from Different Agricultural Residues on Physical Properties and CEC of Angeles Series 3. Enhancing Soil Ecosystem Services through the Use of Cover Crops and Green Manures in Organic Production Systems 4. Long-term Research on the Influence of Vermicompost Application on Growth, Yield and Quality of Selected Vegetable Crops Three Pedo-ecological Zones 5. Impact of Tillage and Crop Residue Management on Soil and Productivity in Upland Farming System 6. Effect of Vermicompost from Different Source of Compost Material as Nutrient Solution on Growth and Yield of Various Crops under Re-circulating Hydroponic Condition
<b>AGRICULTURAL MACHINERY, EQUIPMENT, FACILITIES AND INFRASTRUCTURES PROGRAM</b>													
<b>AGRICULTURAL MACHINERY, EQUIPMENT, AND FACILITIES SUPPORT SERVICES SUB-PROGRAM</b>													
<b>PAEF on the NOAP</b>	310201100005000												
LGUs provided with agricultural machineries, equipment and facilities													
Composting Facilities for Biodegradable Wastes distributed (established)		0	110	120	91	321	0	22			22		
SSCF (Infrastructure Modernization)		0	61	0	0	61	0	26			26		
<b>NATIONAL HIGH VALUE CROPS DEVELOPMENT PROGRAM</b>													
<b>AGRICULTURAL MACHINERY, EQUIPMENT, FACILITIES AND INFRASTRUCTURES PROGRAM</b>													
<b>AGRICULTURAL MACHINERY, EQUIPMENT, AND FACILITIES SUPPORT SERVICES SUB-PROGRAM</b>													
<b>PAEF on the National High-Value Crops Development Program</b>	310201100004000												
LGUs provided with agricultural machineries, equipment and facilities													
Composting Facilities for Biodegradable Wastes distributed (established)		0	31	19	0	50	0	5			5		
<b>NATIONAL ORGANIC AGRICULTURE PROGRAM (NOAP)</b>													
<b>SUPPORT TO OPERATION-OAP</b>													
Performance Assessment Review Conducted		0	1	0	1	2	0	1			1		
Validation of Target Beneficiaries/ Field Visits Conducted		61	85	0	0	146	61	85			146		



Particulars	UACS CODE	Physical Targets					Physical Accomplishments					Variance as of Dec 2021	Remarks
		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total		
1	2	3	4	5	6	7=(3+4+5+6)	8	9	10	11	12=(8+9+10+11)	13	14
SUPPORT TO OPERATION- Field Program Monitoring Activities (FPMA)													
Number of units delivered/validated/monitored		24	26	0	0	50	24	26			50		
II. Support to Operation (STO)	2000010001000												
Other Research and Development Activities	310104100006000												
Research and Development Activities conducted		5	(5)	(5)	(5)	5	0	0			0		
Improving Nutrient Use Efficiency Towards Precision Agriculture Through Enhanced Soil and Water Resources Research													
Manila Bay Clean Up, Rehabilitation And Restoration													
Number of R&D Studies Conducted		1	(1)	(1)	(1)	1	1	(1)			1		
Specialized Capability Enhancement Training		0	5	0	0	5	0	5			5		
Monitoring of Establishment Sites		15	15	(15)	(15)	30	18	7			25		Unmonitored sites since 1st Qtr due to unavailability of mobile phone of farmer-cooperators; travel restrictions; unavailability of vehicle service
Assessment of Salinity & Its Impact To Coastal Agriculture and Communities of the Philippines (Assessment of Salinity)													
Number of R&D Studies Conducted		1	(1)	(1)	(1)	1	1	(1)			1		
Improving Soil Productivity of Marginal Hillyland through the Development of Philippines Hillyland Pedo-Ecological Zone Database and Promotion of Sustainable Land Management (4 component)													
Number of R&D Studies Conducted		3	(3)	(3)	(3)	3	3	(3)			3		1. Influence of Soil Conditioner on Seed Germination and Seedling Growth of Selected Commonly Cultivated Crops in Hillyland 2. Liming Potential of Biochars on Acid Upland Soils 3. Soil Carbon Dynamics on the Different Land Use- For Catch Up Plan
Capacity building activities conducted		0	1	1	1	3	0	1			1		
participants attended		25	25	26	0	76	25	25			50		



Particulars	UACS CODE	Physical Targets					Physical Accomplishments					Variance as of Dec 2021	Remarks
		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total		
1	2	3	4	5	6	7=(3+4+5+6)	8	9	10	11	12=(8+9+10+11)	13	14
<b>Irrigation Network Services- Various Water Resources Project</b>	<b>310202100004000</b>												
Agromet Stations monitored		16	(16)	(16)	(16)	16	(16)	(16)			(16)		
Development of location specific cropping pattern		0	3	0	0	3	0	3			3		
Feasibility study of SSIPs prepared		2	3	3	4	12	2	3			5		
Capability Enhancement on O&M of SSIPs		0	1	0	0	1	0	1			1		
Irrigation-related Studies Conducted		0	2			2	0	2			2		
<i>SWIS Operation and maintenance training</i>		2	4	4	2	12	2	4			6		
Participants trained		70	138	120	32	360	70	138			208		More farmers got interested in the training while following the IATF protocols
IEC Material Disseminated			540	360	180	1,080	225	414			639		
<i>Coordination and Terchnical Support to Other Implementers</i>													
Validation of SSIPs (for Rice, HVCDP, and OAP)			85	50	34	170	64	71			135		Increase in the number of request received
Conduct of Geo-resistivity survey			20	12	8	40	6	15			21		
Conduct of survey for Ram-pump			8	6	1	15	6	14			20		
Preparation of Technical Study for Ram-Pump			8	3	4	15	1	7			8		
Preparation of DED & POW			25	15	10	50	3	11			14		
Monitoring on on-going SSIP Implementation			50	30	20	100	17	12			29		Increase in the number of SSIPs for operational monitoring
Monitoring of operation status of SSIP			42	22	16	80	15	29			44		
<b>III. BAYANIHAN 2 (Pursuant to the Bayanihan to Recover as Once Act)</b>													
<b>Mobile Truck with Diamond Deepwell Driller</b>													
Procurement of drilling rig			0	6	0	6	0	6			6		Completed delivered to concerned regions BSWM, LUEEZ Research Center, San Ildefonso, Bulacan; DA-RFO CAR, Baguio City; DA-RFO I, San Fernando, La Union; DA-RFO III, San Fernando, Pampanga; DA-RFO VII, Cebu City; DA-RFO XI, Davao City.
Procurement of georesistivity equipment			0	6	0	6	0	6			6		
<b>Agro-industrial Business Corridor (Establishment of Bamboo Plantation and Water Hyacinth Treatment and Water Hyacinth Composting Facility)</b>													
Composting Facility						1							The funds were already transferred to Taguig, site validation and technical conference has been conducted and they are in the process of procuring the composting facility. However, there is a failure to award the bidding contract resulting to the termination of the project.
Bamboo Plantation						1							


Particulars	UACS CODE	Physical Targets					Physical Accomplishments					Variance as of Dec 2021	Remarks
		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total		
1	2	3	4	5	6	7=(3+4+5+6)	8	9	10	11	12=(8+9+10+11)	13	14
Integrated Agri-based Livelihood Project: Establishment of Agro-waste Treatment Facility													
Agro-waste Composting facility established		0	4	0	0	4	(4)	0			(4)		Morong Rizal; Mangaldan, Pangasinan; Umingan Pangasinan and Cam Sur (On-going) over all, the project has reach 98.5% completion.
IV. Locally Funded Program													
Rainwater Harvesting													
Site re-validation		0	0	232	0	232	0	0			0		Increase in the number of sites revalidated due to change of sites and/or reprogramming; Validation of change of sites for 9 SWIPs, 148 SFRs and 5 Cisterns
Conduct of training		0	0	0	24	24	0	0			0		
Preparation of watershed development plan		0	0	0	6	6	0	0					
Implementation of RWH													
Construction and rehabilitation of SWIPs/DD		0	0	0	11	11	0	0			0		Since per RA, funds under 2020 GAA Continuing is valid until December 31, 2021, project extension will be requested to DBM thru DA. The RFOs/LGUs are waiting for the directive of the DA on the pending implementation of the project.
Construction of SFR		0	0	0	204	294	0	0			0		
Construction of Cistern		0	0	0	14	14	0	0			0		
Contruction of Water Cube		0	0	0	2	2	0	0			0		
National Soil Health Program													
Project I: Institutionalizing National Soil Monitoring and Rejuvenation Program													
Component 2: Development of Protocols for the Implementation for the National Soil Monitoring and Rejuvenation Program													
Protocol developed		0	0	2	0	2	0	0			0		
Component 3: Impementation of the National Soil Monitoring and Rejuvenation Program													
Wide Distribution of Soil Health Monitoring Card ( In collaboration with DA-RSLs)		0	0	0	2000	2000	0	0			0	-2000	To be distributed after the NSHP Launching
Component 4: Enhancing Capacities of Soil Laboratories		0	0	0	15	15	0	0			0		Conducted Training on Test Method Harmonization Quality Assurance and Pre- Proficiency Testing Conference participated by 15 RSL, 1 SUC and 3 Private Soil Laboratories through PD 1435
Capacity building conducted for RSL													



Particulars	UACS CODE	Physical Targets					Physical Accomplishments					Variance as of Dec 2021	Remarks
		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total		
1	2	3	4	5	6	7=(3+4+5+6)	8	9	10	11	12=(8+9+10+11)	13	14
<i>Soil Laboratory upgraded</i>													
BSWM (LSD and Three Research Centers)		0	0	0	4	4	0	0			0		
Regional Soils Laboratory		0	0	0	15	15	0	0			0		
Provincial Soils Laboratories		0	0	0	1	1	0	0			0		
Laboratory Information Management System (LIMS) Established		0	0	0	1	1	0	0			0	-1	<p>Failed Bid in the procurement of LIMS hardware equipment and software.</p> <p>Other Accomplishments:</p> <p>1) Conducted Needs Assessment and Design of LIMS</p> <p>2) Established Laboratory Intranet in preparation for LIMS</p> <p>3) Implemented Barcoding System on BSWM-LSD services</p> <p>Since per RA 11520, funds under 2020 GAA Continuing is valid until December 31, 2021, project extension will be requested to DBM thru DA.</p>
<b>Component 5: Monitoring and assessment for sustainability and relevance of the program including evaluation of risk and opportunities</b>													
Monitoring and evaluation implementation		0	0	0	1	1	0	0			0		<p>1) Conducted of Year End Assessment and Planning Workshop last November 8-12, 2021</p> <p>2) Conducted bureau wide program accomplishment presentation and organizational meeting last December 2021</p>
<i>Project III: Strengthening Partnership of DA-BSWM, with relevant agencies and organization DA-RFOs, DA attached Bureaus and Agencies, National Agencies, LGUs, Rural Based Institutions and Local Cooperatives to sustain food security under the National Soil Health Program</i>													
Farmers benefited for 15 Region (RIC, 4H, Farm Family and Local Coop.)		0	0	0	15	15	0	0			0	-15	<p>List of sites identified in all 15 regions covered by SWISA sites with contiguous 10 hectare rice lands for Technology Demonstration Sites for ABFM</p> <p>Technology Demonstration Sites was cancelled due to failed bid in the procurement of Agricultural Materials due to abrupt price increase in fertilizer materials.</p>
<i>Project IV: Production and Improvement in Soil Analysis through the Enhancement of STK (ESTK) for Macro and Micronutrients and Development of Manuals on the Use of Soil Physical and Biological Parameters as indicator of Soil Health</i>													
Development of Rapid Test for Water Quality (Water Test Kit)		0	0	1	0	1	1	0			1		


Particulars	UACS CODE	Physical Targets					Physical Accomplishments					Variance as of Dec 2021	Remarks
		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total		
1	2	3	4	5	6	7=(3+4+5+6)	8	9	10	11	12=(8+9+10+11)	13	14
Enhancement of STK		0	0	1	0	1	1	0			1		

Prepared By:

  
**CATHLYN JOY P. DELA TORRE**  
 Planning Officer

Date: \_\_\_\_\_

In coordination with:

  
**SARAH B. SUMINISTRADO**  
 Budget Officer

Date \_\_\_\_\_

Approved by:

  
**ENGR. PABLO M. MONTALLA**  
 Director

Date: \_\_\_\_\_