

ENHANCED 2017-2022 PHILIPPINE DEVELOPMENT PLAN RESULTS MATRICES MIDTERM UPDATE
CHAPTER 8: EXPANDING ECONOMIC OPPORTUNITIES IN AGRICULTURE, FORESTRY, AND FISHERIES AND ENSURING FOOD SECURITY

Objectives/ Results	SDG Tier 1 Indicators	Indicator	Baseline		Annual Plan Targets						End of Plan Target ^a	Means of Verification	Responsible Agency ^b	Reporting Entity ^c	Assumptions and Risk			
			Year	Value	2017	2018	2019	2020	2021	2022								
Societal Goal																		
A healthy and resilient Philippines																		
Intermediate Goal																		
Transforming towards equity and resiliency																		
Chapter Outcome 1																		
Sustainable and resilient production and food availability ensured		Growth of Gross Value Added (GVA) in Agriculture, Forestry and Fisheries (AFF) increased (% , in real terms)	2016	(1.2)	2.5-3.5	2.5-3.5	2.5-3.5	2.5-3.5	2.5-3.5	2.5-3.5	2.5-3.5	2.5-3.5	PSA	DA	PSA	Sound macroeconomic policies and food security reform policies instituted.		
		Crops	2016	(3.2)	2.0-3.0	2.0-3.0	2.0-3.0	2.0-3.0	2.0-3.0	2.0-3.0	2.0-3.0	2.0-3.0	2.0-3.0	PSA	DA	PSA	Good agricultural and climate change adaptation practices adopted by farmers.	
		Livestock	2016	4.6	3.0-4.0	3.0-4.0	3.0-4.0	3.0-4.0	2.0-3.0	3.0-4.0	3.0-4.0	3.0-4.0	3.0-4.0	PSA	DA	PSA		
		Poultry	2016	1.3	3.0-4.0	3.0-4.0	3.0-4.0	3.0-4.0	3.0-4.0	2.0-3.0	3.0-4.0	3.0-4.0	3.0-4.0	PSA	DA	PSA		
		Forestry	2016	(7.6)	2.0-3.0	2.0-3.0	2.0-3.0	2.0-3.0	2.0-3.0	2.0-3.0	2.0-3.0	2.0-3.0	2.0-3.0	PSA	DENR	PSA		
		Growth in value of production of fisheries increased (% , at constant prices)																
		Commercial	2016	(7.8)	2.5	2.5	2.5	2.5	1.0	1.0	1.0	1.0	1.0	PSA	DA-BFAR	PSA	Good agricultural and climate change adaptation practices adopted by fisherfolk.	
		Municipal	2016	(4.9)	1.0	1.0	1.0	1.0	3.0	3.0	3.0	3.0	3.0	PSA	DA-BFAR	PSA		
		Aquaculture	2016	0.5	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	PSA	DA-BFAR	PSA		
		Growth in labor productivity of farmers and fisherfolk increased (% , in real terms)	2016	(2.2) ^d	5.0-6.0	5.0-6.0	3.9-5.0	4.7-6.2	5.2-6.4	5.4-6.6	4.9-6.0	4.9-6.0	4.9-6.0	PSA	DA	PSA	Employment opportunities between sectors allow greater mobility	
		CAR	2016	4.3	N/A ^e	N/A ^e	4.5-7.5	6.0-9.0	9.0-12.0	12.0-15.0	7.9-10.9	7.9-10.9	7.9-10.9	PSA	DA-RFO	PSA		
		Region I	2016	0.2	N/A ^e	N/A ^e	5.0-10.0	5.0-10.0	5.0-10.0	5.0-10.0	5.0-10.0	5.0-10.0	5.0-10.0	PSA	DA-RFO	PSA		
		Region II	2016	1.0	N/A ^e	N/A ^e	5.5-6.5	5.6-6.6	5.7-6.7	5.9-6.9	5.7-6.7	5.7-6.7	5.7-6.7	PSA	DA-RFO	PSA		
		Region III	2016	13.7	N/A ^e	N/A ^e	7.0-8.0	7.0-8.0	7.0-8.0	7.0-8.0	7.0-8.0	7.0-8.0	7.0-8.0	PSA	DA-RFO	PSA		
		Region IV-A	2016	16.8	N/A ^e	N/A ^e	3.9-5.0	4.7-6.2	5.2-6.4	5.4-6.6	4.9-6.0	4.9-6.0	4.9-6.0	PSA	DA-RFO	PSA		
		Region IV-B	2016	(1.3)	N/A ^e	N/A ^e	1.5-2.5	2.0-3.0	2.0-3.0	2.5-3.5	2.0-3.0	2.0-3.0	2.0-3.0	PSA	DA-RFO	PSA		
		Region V	2016	2.3	N/A ^e	N/A ^e	5.0-6.0	5.0-6.0	5.0-6.0	5.0-6.0	5.0-6.0	5.0-6.0	5.0-6.0	PSA	DA-RFO	PSA		
		Region VI	2016	(1.5)	N/A ^e	N/A ^e	1.0-1.5	1.2-1.5	1.5-1.8	1.8-2.0	1.4-1.7	1.4-1.7	1.4-1.7	PSA	DA-RFO	PSA		
		Region VII	2016	1.7	N/A ^e	N/A ^e	2.2	2.3	2.5	2.9	2.5	2.5	2.5	PSA	DA-RFO	PSA		
		Region VIII	2016	(12.3)	N/A ^e	N/A ^e	2.0-2.5	2.5-3.0	3.0-3.5	3.5-4.0	2.8-3.3	2.8-3.3	2.8-3.3	PSA	DA-RFO	PSA		
Region IX	2016	(21.1)	N/A ^e	N/A ^e	0.9-1.0	1.0-1.1	1.1-1.2	1.2-1.3	1.1-1.2	1.1-1.2	1.1-1.2	PSA	DA-RFO	PSA				
Region X	2016	(4.5)	N/A ^e	N/A ^e	1.5-2.5	3.5-4.5	3.5-4.5	2.0-3.0	2.6-3.6	2.6-3.6	2.6-3.6	PSA	DA-RFO	PSA				
Region XI	2016	(13.3)	N/A ^e	N/A ^e	8.4	12.0	12.5	10.0	10.7	10.7	10.7	PSA	DA-RFO	PSA				
Region XII	2016	(8.7)	N/A ^e	N/A ^e	5.0	5.0-6.0	6.0-7.0	7.0-8.0	5.8-6.5	5.8-6.5	5.8-6.5	PSA	DA-RFO	PSA				
Caraga	2016	(8.1)	N/A ^e	N/A ^e	3.2-4.8	4.3-5.3	5.3-6.3	6.3-7.3	4.8-5.9	4.8-5.9	4.8-5.9	PSA	DA-RFO	PSA				
Sub-Chapter Outcome 1.1																		
AFF productivity within ecological limit improved		Yield of major commodities increased (MT/ha, cumulative)																
		Palay	2016	3.9	4.0	4.2	4.3	4.4	4.4	4.5	4.5	4.5	4.5	PSA	DA	PSA	No major calamities encountered, specifically during the standing crop	
		White Corn	2016	1.7	2.0	2.0	2.1	2.2	2.5	2.5	2.5	2.5	2.5	PSA	DA	PSA		
Yellow Corn	2016	4.0	4.3	4.5	4.6	4.8	4.6	5.0	5.0	5.0	5.0	PSA	DA	PSA				

^a May either be cumulative or incremental target value at the end of the Plan period.

^b Agency accountable for delivering the outputs/outcome.

^c Lead/responsible agency for reporting progress on indicator targets.

^d The 2016 growth rate for labor productivity was revised in the PSA website from 3.9 to -2.2. The revisions were brought about by the change in the number of persons employed in AFF being monitored by the agency. Some of the data from previous years were not consistent in terms of the rounds of survey conducted and some areas were excluded in previous releases.

^e New indicator proposed in 2019. Targets were committed from 2019 to 2022.

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Objectives/ Results	SDG Tier 1 Indicators	Indicator	Baseline		Annual Plan Targets					End of Plan Target ^a	Means of Verification	Responsible Agency ^b	Reporting Entity ^c	Assumptions and Risk		
			Year	Value	2017	2018	2019	2020	2021						2022	
AFF productivity within ecological limit improved (cont'd)		Banana	2016	20.1	21.7	22.3	23.0	23.6	21.0	22.0	22.0	PSA	DA	PSA	Control of the spread of fusarium wilt, among others; increased resiliency to climate change	
		Coconut	2016	3.88	4.28	4.28	4.50	4.50	4.25	4.25	4.25	PCA	PCA	PCA	No major typhoon and pest incidence happening in major coconut producing regions (Region IVA, VIII and Mindanao)	
		Pineapple	2016	40.1	41.9	42.3	42.7	43.2	43.0	44.0	44.0	PSA	DA	PSA		
		Mango	2016	4.3	5.0	5.1	5.2	5.3	4.1	4.2	4.2	PSA	DA	PSA	Control of pests and diseases; increased resiliency to climate change	
		Sugarcane	2016	54.6	59.0	61.0	63.0	65.0	55.6	60.0	60.0	PSA	SRA	PSA	Interventions such as the use of HYVs/good genetics of sugarcane, soil rejuvenation/fertilization, irrigation/water management, mechanization and extension activities will take effect	
		Cassava	2016	12.0	15.1	15.9	16.7	17.7	13.7	19.3	19.3	PSA	DA	PSA	No major calamities, pest and diseases encountered	
		Coffee	2016	0.6	0.6	0.7	0.8	1.0	0.7	0.7	0.7	PSA	DA	PSA		
		Cacao	2016	0.4	0.9	0.9	1.0	1.1	0.3	0.4	0.4	PSA	DA	PSA		
		Rubber	2016	1.6	1.9	2.0	2.2	2.3	2.0	2.0	2.0	PSA	DA	PSA	Stable market prices	
		Abaca	2016	0.5	0.51	0.52	0.53	0.54	0.55	0.56	0.56	PSA	DA-PhilFIDA	PSA		
		Volume of production increased ('000 MT, cumulative) ^f														
		Hog	2016	2,231.7	2,128.2	2,156.6	2,321.0	2,390.6	1,910.8	1,987.0	1,987.0	1,987.0	PSA	DA	PSA	Localization and limited impact of major disease in controlled zone
		Goat	2016	77.5	79.0	79.9	79.3	81.7	79.3	81.7	81.7	81.7	PSA	DA	PSA	No significant damage due to outbreak of major diseases
		Dairy	2016	21.2	22.6	23.6	24.5	26.9	27.6	28.5	28.5	28.5	PSA	DA	PSA	
		Chicken	2016	1,674.5	1,741.4	1,793.4	1,845.4	1,975.8	1,881.0	1,956.3	1,956.3	1,956.3	PSA	DA	PSA	Steady growth trend with favorable economic conditions prevailed, despite occurrence of major disease
		Chicken Egg	2016	461.7	473.2	486.2	549.9	566.4	654.7	674.3	674.3	674.3	PSA	DA	PSA	
		Vegetables	2016	1,572.7	1,780.2	1,841.8	1,910.0	1,986.7	1,897.0	1,993.0	1,993.0	1,993.0	PSA	DA	PSA	No major calamities, pest and diseases encountered
	Tilapia	2016	300.7	293.5	311.1	329.8	349.6	340.7	351.0	351.0	351.0	PSA	DA-BFAR	PSA		
	Bangus	2016	402.7	415.8	432.4	449.7	467.7	436.0	446.8	446.8	446.8	PSA	DA-BFAR	PSA		
	Seaweeds	2016	1,404.5	1,726.9	1,813.3	1,903.9	1,999.1	1,530.1	1,545.4	1,545.4	1,545.4	PSA	DA-BFAR	PSA		
	Shrimp and Prawns	2018	65.5	N/A ^e	N/A ^e	66.1	66.8	73.8	75.3	76.8	76.8	PSA	DA-BFAR	PSA		
	Logs (m ³)	2016	790.0	867.3	893.3	920.1	947.7	976.1	1,005.4	1,005.4	1,005.4	DENR's Philippine Forestry Statistics	DENR-FMB	DENR-FMB		

^e New indicator proposed in 2019. Targets were committed from 2019 to 2022.

^f The volume of production is used as a proxy indicator for productivity of livestock and poultry, fishery species and forest products due to data constraints.

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AFF productivity within ecological limit improved (cont'd)		Almaciga Resin ('000 kg)	2016	686.0	458.4	472.1	486.3	500.9	515.9	531.4	531.4	DENR's Philippine Forestry Statistics	DENR-FMB	DENR-FMB	
		Bamboo ('000 pc)	2016	882.7	1,129.9	1,163.8	1,198.7	1,234.7	1,271.7	1,309.9	1,309.9	DENR's Philippine Forestry Statistics	DENR-FMB	DENR-FMB	
	Postharvest losses of key agricultural commodities reduced (% , cumulative)														
		Rice	2015	14.0	N/A ^g	N/A ^g	N/A ^g	N/A ^g	N/A ^g	12.0	12.0	DA-PhilMech's Loss Assessment Studies	DA	DA-PhilMech	
		Com	2015	6.61	N/A ^g	N/A ^g	N/A ^g	N/A ^g	N/A ^g	5.2	5.2	DA-PhilMech's Loss Assessment Studies	DA	DA-PhilMech	
	High Value Crops														
		Banana, Cardava	2016	15.46	N/A ^g	N/A ^g	N/A ^g	N/A ^g	N/A ^g	15.0	15.0	DA-PhilMech's Loss Assessment Studies	DA	DA-PhilMech	
		Calamansi	2014	32.54	N/A ^g	N/A ^g	N/A ^g	N/A ^g	N/A ^g	32.0	32.0	DA-PhilMech's Loss Assessment Studies	DA	DA-PhilMech	
		Carabao Mango	2014	29.25	N/A ^g	N/A ^g	N/A ^g	N/A ^g	N/A ^g	28.8	28.8	DA-PhilMech's Loss Assessment Studies	DA	DA-PhilMech	
		Cabbage	2009	20-30	N/A ^g	N/A ^g	N/A ^g	N/A ^g	N/A ^g	29.5	29.5	DA-PhilMech's Loss Assessment Studies	DA	DA-PhilMech	
		Carrot	2009	20.8	N/A ^g	N/A ^g	N/A ^g	N/A ^g	N/A ^g	20.3	20.3	DA-PhilMech's Loss Assessment Studies	DA	DA-PhilMech	
		Onion	2009	45.0	N/A ^g	N/A ^g	N/A ^g	N/A ^g	N/A ^g	43.0	43.0	DA-PhilMech's Loss Assessment Studies	DA	DA-PhilMech	
	Level of mechanization based on sufficiency level by operation increased (in percent or hp-hr/ha)														
		Rice	2011	2.31	N/A ^g	N/A ^g	N/A ^g	N/A ^g	N/A ^g	4.0	4.0	DA-PhilMech Study	DA	DA-PhilMech	
	Com	2011	2.31	N/A ^g	N/A ^g	N/A ^g	N/A ^g	N/A ^g	2.5	2.5	DA-PhilMech Study	DA	DA-PhilMech		
	High Value Crops	2011	1.23	N/A ^g	N/A ^g	N/A ^g	N/A ^g	N/A ^g	1.3	1.3	DA-PhilMech Study	DA	DA-PhilMech		

^g No annual accomplishment/target to be reported as the source of data for the indicator is based on a study that is not regularly published by agencies.

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			Year	Value	2017	2018	2019	2020	2021	2022						
Aggregate Outputs																
Technical support services for perennial crops provided		Program area for perennial crops provided with technical support services increased (ha) ^h														
		Mango	2016	305	508	4,416	4,420	4,425	4,429	4,434	22,632	Report by the DA-High Value Crops Development (HVCD) Program	DA	DA	No major calamities, pest and diseases problems encountered	
		Coffee	2016	7,485	13,705	4,120	6,592	9,888	10,877	11,964	57,146	Report by the DA-HVCD Program	DA	DA	No major calamities, pest and diseases problems encountered	
		Cacao	2016	17,217	24,715	4,220	6,330	8,229	9,875	11,850	65,219	Report by the DA-HVCD Program	DA	DA		
		Rubber	2016	3,999	7,393	91	500	850	1,445	2,457	12,736	Report by the DA-HVCD Program	DA	DA		
		Banana	2016	549	1,138	1,677	1,679	1,680	1,682	1,684	9,540	Report by the DA-HVCD Program	DA	DA		
		Pineapple	2016	61	37	186	190	194	197	201	1,005	Report by the DA-HVCD Program	DA	DA		
		Cassava	2016	229,769	269,640	281,591	291,355	302,352	314,598	329,053	1,788,589	Report by the DA-Corn Program	DA	DA		
		Abaca	2016	134,427	135,275	136,355	137,435	138,515	139,595	140,675	827,850	Report by PhilFIDA	DA-PhilFIDA	DA-PhilFIDA		
Coconut	2016	80,770	146,239	206,500	400,000	400,000	400,000	400,000	400,000	1,952,739	PCA Report	PCA	PCA	No major typhoon and pest incidence happening in major coconut-producing regions (Region IVA, VIII, and Mindanao)		
Technical support services for staple crops provided		Program harvest area for staple crops provided with technical support services increased (ha) ^h														
		Palay	2016	516,182	173,524	198,456	465,903	1,938,547	2,344,000	2,344,000	2,344,000	Report by the DA-Rice Program	DA	DA	No major calamities encountered, specifically during the standing crop	
		Yellow corn	2016	535,163	545,217	549,088	1,647,291	2,204,203	2,765,070	3,329,919	3,329,919	Report by the DA-Corn Program	DA	DA	No major calamities, pest and diseases encountered	
		White corn	2016	201,138	219,390	221,342	664,044	889,344	1,116,649	1,345,977	1,345,977	Report by the DA-Corn Program				
Technical support services for livestock, poultry and dairy provided		Number of group beneficiaries provided with technical support services increased (No.) ^h	2016	939	557	1,020	1,334	2,280	2,348	2,418	9,957	(i) NLP Annual Report; (ii) Annual Dairy Farm Registration; and (iii) Annual Dairy Entity Registration	DA-NLP, DA-NDA	DA-NLP, DA-NDA (for Dairy)		
		Number of individual beneficiaries provided with technical support services increased (No.) ^h	2016	358,218	197,741	217,355	110,395	113,288	116,801	120,419	875,999					

^h Aggregate Output Indicators pertaining to program areas, number of assisted enterprises and beneficiaries, either groups or individuals, may not be unique area or enterprises/beneficiaries, as an area/enterprise/group/individual may receive different and/or more than one machinery/equipment, technical support services, and livelihood projects.

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Technical support services for fisheries provided		Number of fisherfolk provided with production support increased (No.) ^h	2016	109,406	195,599	209,291	223,941	239,617	50,342	51,852	970,642	Agency Annual Report	DA-BFAR	DA-BFAR	
		Number of group beneficiaries provided with production support increased (No.) ^g	2018	4,547	N/A ^e	N/A ^e	3,045	1,548	1,935	2,031	8,559	Agency Annual Report	DA-BFAR	DA-BFAR	
Agricultural and fisheries machinery, equipment, and facilities distributed		Number of group beneficiaries provided with agricultural and fishery machineries and equipment increased (No.) ^h	2016	5,639	8,066	5,960	7,501	7,699	7,783	7,854	44,863	(i) DA (lead); (ii) PhilFIDA Annual Reports; (iii) BFAR Annual Report; (iv) PCA thru its PAPs for coconut; and (v) NLP Annual Report	DA (lead), DA-PhilFIDA, PCA, DA-BFAR, DA-NLP	DA, DA-PhilFIDA, PCA, DA-BFAR, DA-NLP	
Capacity building on urban agriculture, backyard/ household gardening and community farming provided		Number of group beneficiaries provided with trainings on urban agriculture, backyard/household gardening and community farming increased (No.)	2020	N/A ⁱ	N/A ^e	N/A ^e	N/A ^e	16	18	20	20	Agency Annual Report	DA-ATI TESDA	DA-ATI TESDA	
		Number of individual beneficiaries provided with trainings on urban agriculture, backyard/household gardening and community farming increased (No.)	2019	417	N/A ^e	N/A ^e	N/A ^e	2,900	3,200	3,550	3,550	Agency Annual Report	DA-ATI TESDA	DA-ATI TESDA	
		Number of trainings conducted on urban agriculture, backyard/household gardening and community farming conducted (No.)	2019	14	N/A ^e	N/A ^e	N/A ^e	116	128	142	142	Agency Annual Report	DA-ATI TESDA	DA-ATI TESDA	
Capacity building on organic agriculture provided		Number of individual beneficiaries provided with trainings on organic farming increased (No.)	2016	2,850	3,150	7,738	13,162	8,699	9,380	12,210	54,339	Agency Annual Report	DA	DA	
		Number of trainings conducted on organic farming increased (No.)	2016	95	105	223	338	273	330	349	1,618	Agency Annual Report	DA	DA	
Production forest, for tree plantation and non-timber forest products increased		Area within the production forest, for tree plantation and non-timber forest products increased (ha, cumulative)													
		Tree plantation	2016	625,524	662,940	676,199	689,723	703,517	717,588	731,940	731,940	Philippine Forestry Statistics	DENR-FMB	DENR-FMB	Expansion of the coverage of the National Greening Program (EO 193), Integrated Forest Management agreement; and Community-Based Forest Management
Non-Timber Forest Products	2016	434,293	410,394	418,601	426,973	435,513	444,223	453,108	453,108	Philippine Forestry Statistics	DENR-FMB	DENR-FMB			

^a New indicator proposed in 2019. Targets were committed from 2019 to 2022.

^g No annual accomplishment/target to be reported as the source of data for the indicator is based on a study that is not regularly published by agencies.

^h Aggregate Output Indicators pertaining to program areas, number of assisted enterprises and beneficiaries, either groups or individuals, may not be unique area or enterprises/beneficiaries, as an area/enterprise/group/individual may receive different and/or more than one machinery/equipment, technical support services, and livelihood projects.

ⁱ No baseline value or accomplishment as data for the new indicator was not regularly monitored/maintained prior to its inclusion in the RM

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			Year	Value	2017	2018	2019	2020	2021	2022						
Sub-Chapter Outcome 1.2																
Development and adoption of modern, climate- and disaster-resilient production technologies intensified		Share of small farmers adopting new technologies to total number of small farmers trained with new technologies increased (% , cumulative)	2015	18.0	N/A ^e	N/A ^e	30	N/A ^g	N/A ^g	60	60	Study for the Agriculture and Fisheries Extension Results-Based Monitoring and Evaluation System	DA	DA		
		Share of adopters among technology trained small fisherfolk increased (% , annual)	2018	56.0	N/A ^e	N/A ^e	58.0	60.0	62.0	64.0	64.0	BFAR Annual Report	DA	DA		
Aggregate Output																
AFF research, development, and extension (RD&E) activities conducted		Share of AFF research and development (R&D) government budget to total AFF GVA increased (% , cumulative)	2016	0.3	0.3	0.4	0.6	0.7	0.9	1.1	1.1	DBM GAA Report	DA and DOST-PCAARRD	DOST-PCAARRD		
		Number of new technologies increased (No.)	2016	164.0	138	127	129	142	140	150	826	(i) DA; (ii) PPAs of PhilMech; (iii) PCC Technology Board Report; and (iv) PhilFIDA Annual Reports	DA	DA		
		Number of beneficiaries provided with extension services increased (No.) ^h	2016	112,667	91,866	99,933	101,373	104,787	105,184	107,253	610,396	Agency Annual Report	DA-ATI	DA-ATI		
		Number of individual fisherfolk trained on aquaculture, municipal, commercial, regulatory, postharvest and others (No.)	2018	37,097	N/A ^e	N/A ^e	28,162	25,769	20,459	21,073	95,463	BFAR Annual Report	DA-BFAR	DA-BFAR		
		Number of group beneficiaries provided with trainings on production, processing, packaging and marketing increased (No.)	2017	220	220	231	242	254	267	281	1,495	Agency Annual Report	DA	DA		
		Number of individual beneficiaries provided with trainings on production, processing, packaging and marketing increased (No.)	2016	27,892	40,034	44,760	43,965	46,609	37,059	41,350	253,777	Agency Annual Report	DA	DA		
		Number of trainings conducted on production, processing, packaging and marketing increased (No.)	2016	562	1,062	1,227	1,104	1,163	957	1,052	6,565	Agency Annual Report	DA	DA		

^a New indicator proposed in 2019. Targets were committed from 2019 to 2022.

^g No annual accomplishment/target to be reported as the source of data for the indicator is based on a study that is not regularly published by agencies.

^h Aggregate Output Indicators pertaining to program areas, number of assisted enterprises and beneficiaries, either groups or individuals, may not be unique area or enterprises/beneficiaries, as an area/enterprise/group/individual may receive different and/or more than one machinery/equipment, technical support services, and livelihood projects.

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Objectives/ Results	SDG Tier 1 Indicators	Indicator	Baseline		Annual Plan Targets						End of Plan Target ^a	Means of Verification	Responsible Agency ^b	Reporting Entity ^c	Assumptions and Risk
			Year	Value	2017	2018	2019	2020	2021	2022					
Sub-Chapter Outcome 1.3															
Access of small farmers and fisherfolk to land and water resources increased and protected	5.a.1.p2 ¹ (Number of holders of emancipation patents and certificates of land ownership, certificate of ancestral land titles (CALTs), certificate of ancestral domain titles (CADTs) by sex, stewardship)	Share of actual agrarian reform beneficiaries (ARBs) with emancipation patent (EP)/ certificate of land ownership award (CLOA) to total potential ARBs increased (% , cumulative)	2016	88.6	90.1	91.5	92.7	93.8	96.0	98.2	98.2	DAR Annual Report	DAR	DAR	
		Share of cumulative annual hectareage of subdivided collective CLOAs to total area of collective CLOAs to be subdivided increased (%)	2016	42.9	44.6	46.4	46.9	49.6	84.4	99.4	99.4	DAR Annual Report	DAR	DAR	
	Growth in the number of registered small fisherfolk with preferential access to municipal waters (%)	2016	5.0	N/A ^e	N/A ^e	3.0	2.0	1.0	0.5	0.5	0.5	BFAR Annual Report	DA-BFAR	DA-BFAR	
Aggregate Outputs															
Land under CARP distributed (under regular LAD)		Area distributed under CARP increased (ha, cumulative)	2016	4,823,037	4,871,625	4,925,466	4,966,543	4,996,696	5,027,651	5,057,805	5,057,805	DAR Annual Report	DAR	DAR	
		Number of ARBs with EP/CLOAs increased (No., cumulative)	2016	2,807,108	2,853,361	2,899,433	2,934,542	2,960,313	2,986,771	3,012,543	3,012,543	DAR Annual Report	DAR	DAR	
Land under CARP distributed (under EO 75 on GOL)		Area distributed under CARP increased (ha, cumulative)	2020	232,187	N/A ^e	N/A ^e	N/A ^e	12,638	62,638	112,638	112,638	DAR Annual Report	DAR	DAR	
		Number of ARBs with EP/CLOAs increased (No., cumulative)	2020	154,791	N/A ^e	N/A ^e	N/A ^e	10,802	53,537	96,272	96,272	DAR Annual Report	DAR	DAR	
Parcelization of collective CLOAs		Area of collective CLOAs subdivided increased (ha, cumulative)	2016	1,114,792	1,157,735	1,204,175	1,217,266	1,288,968	2,193,399	2,581,012	2,581,012	DAR Annual Report	DAR	DAR	
Support to registered fisherfolk		Number of registered fisherfolk provided with livelihood projects increased (No.)	2016	111,936	227,283	243,193	260,216	278,431	51,889	53,446	1,114,458	BFAR Annual Report	DA-BFAR	DA-BFAR	
		Number of group beneficiaries provided with livelihood projects increased (No.)	2018	5,258	N/A ^e	N/A ^e	3,517	1,499	2,212	2,278	9,506	BFAR Annual Report	DA-BFAR	DA-BFAR	

^e New indicator proposed in 2019. Targets were committed from 2019 to 2022.

¹ While data for the RM indicator is not disaggregated by sex/stewardship, the required disaggregation for the SDG indicator can be sourced from the same data sets of the responsible agency/reporting entity (DAR).

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			Year	Value	2017	2018	2019	2020	2021						2022
Support to registered fisherfolk (cont'd)		Number of Fisheries Management Areas (FMA) Board/Body established and functioning (No., Cumulative)	2019	3	N/A ^e	N/A ^e	3	6	12	12	12	FMA Annual Report	DA-BFAR	DA-BFAR	
		Number of BFAR and LGU FMA action plans developed (No., Cumulative)	2019	3	N/A ^e	N/A ^e	-	3	6	12	12	FMA Plan	DA-BFAR	DA-BFAR	
Chapter Outcome 2															
Access to markets of small farmers and fisherfolk expanded		Growth in the value of A&F exports increased (% Free On Board value, cumulative)	2016	(0.1)	2.0	5.0	7.0	9.0	9.0	9.0	9.0	PSA	DA	PSA	Strong global demand and international prices remain stable.
Sub-Chapter Outcome 2.1															
Access to digitally supported value chains increased		Number of accredited eKadiwa wholesalers and retailers increased (No.)	2020	45	N/A ^e	N/A ^e	N/A ^e	45	55	65		eKadiwa ni Ani at Kita Online Platform	DA	DA	20% annual increase based on available historical data of eKadiwa upscaling and IEC campaign
		Number of customers served by eKadiwa wholesalers and retailers increased (No.)	2020	728	N/A ^e	N/A ^e	N/A ^e	728	1602	3524		eKadiwa ni Ani at Kita Online Platform	DA	DA	
		Amount of sales generated by eKadiwa wholesalers and retailers (in PHP)	2020	1,106,022.43	N/A ^e	N/A ^e	N/A ^e	1,106,022.43	2,433,249.35	5,353,148.57		eKadiwa ni Ani at Kita Online Platform	DA	DA	
		Share of CDA-registered reporting AFF cooperatives business processes facilitated through value chain to total registered AFF cooperatives increased (in %) ^l	2018	N/A ⁱ	N/A ^e	N/A ^e	N/A ^e	5.0	7.0	9.0	9.0	CDA Assistance Request Forms	CDA	CDA	
Aggregate Outputs															
Capacity-building on the use of electronic/digital platforms for marketing provided		Number of individual beneficiaries provided with trainings on digital/electronic marketing increased (No.)	2019	327	N/A ^e	N/A ^e	N/A ^e	N/A ^e	800	875	875	Agency Annual Report	DA-ATI TESDA CDA	DA-ATI TESDA CDA	
		Number of trainings conducted on digital/electronic marketing increased (No.)	2019	7	N/A ^e	N/A ^e	N/A ^e	N/A ^e	32	35	35	Agency Annual Report	DA-ATI TESDA CDA	DA-ATI TESDA CDA	
Technical support services provided to registered cooperatives		Number of CDA-registered reporting AFF cooperatives provided with technical assistance (No.) ^m	2018	1,172	N/A ^e	N/A ^e	N/A ^e	59	83	106	106	CDA Assistance Request Forms	CDA	CDA	

^a New indicator proposed in 2019. Targets were committed from 2019 to 2022.

ⁱ No baseline value or accomplishment as data for the new indicator was not regularly monitored/maintained prior to its inclusion in the RM

^k Consists of agriculture, producer, agrarian reform, fisherman and dairy cooperatives

Formula:
$$\frac{\text{Number of CDA-Registered Reporting AFF coops provided by CDA w/ tech assistance}}{\text{Total Number of CDA-Registered Reporting AFF Cooperatives}}$$

^l The indicator pertains to the cooperative business process that were linked to certain segments of the value chain through business matching and market facilitation.

^m Endorsement for the provision of technical assistance (i.e. Governance), award of Shared Service Facilities

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Objectives/ Results	SDG Tier 1 Indicators	Indicator	Baseline		Annual Plan Targets						End of Plan Target ^a	Means of Verification	Responsible Agency ^b	Reporting Entity ^c	Assumptions and Risk	
			Year	Value	2017	2018	2019	2020	2021	2022						
Sub-Chapter Outcome 2.2																
AFF-based enterprises increased		Growth in the total value of approved private investments in AFF-related activities increased (% , in real terms)	2016	(64.0)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	PSA	Philippine Investment Promotion Agencies	PSA	
Aggregate Output																
Technical support for AFF-enterprises provided		Number of AFF-enterprises with technical support increased (No.) ^b	2016	212	268	263	220	230	235.0	240.0	1,456	DA	DA	DA		
Sub-Chapter Outcome 2.3																
Access to innovative, affordable, and adequate financing increased		Share of small farmers borrowing from formal credit sources to total number of small farmers availing credit increased (% , cumulative)	2015	62.0	64.0	N/A ^g	66	67.0	65	66.0	66.0	DA-ACPC's Small Farmers and Fisherfolk Indebtedness Survey	DA-ACPC	DA-ACPC		
		Share of small fisherfolk borrowing from formal credit sources to total number of small fisherfolk availing credit increased (% , cumulative)	2017	63.0	55.0	N/A ^g	65	66.0	64	65.0	65.0	DA-ACPC's Small Farmers and Fisherfolk Indebtedness Survey	DA-ACPC	DA-ACPC		
		Share of small farmers and fisherfolk with agricultural insurance to total number of farmers and fisherfolk increased (% , cumulative)	2016	4.2	10.3	14.4	18.5	22.6	24.0	29.0	29.0	DA-PCIC Annual Report	DA-PCIC	DA-PCIC	Premium subsidy for farmers and fisherfolk from the National Government were made available. Manpower complement of PCIC was improved to handle the expected increase in business operations.	
Aggregate Output																
Institutional capacity building on innovative financing for small farmer/fisherfolk organizations provided		Number of small farmer/fisherfolk organizations participated in institutional capacity building on innovative financing increased (No., cumulative)	2016	220	189	240	375	575	575	575	575	DA-ACPC Institutional Capacity Building (ICB) Program	DA-ACPC	DA-ACPC		
		Proportion of LGUs with established partnerships for the implementation of agricultural insurance to the total number of LGUs increased (% , cumulative)	2016	84.5	57.9	66.3	74.8	83.2	95.0	100.0	100.0	Reports from Regional Offices	DA-PCIC	DA-PCIC	The manpower complement of PCIC were improved to handle the expected increase in business operations.	
Innovative financing and guarantee coverage provided to small farmer/fisherfolk individuals and organizations		Amount of loans granted under ACPC-administered credit programs increased (in PHP millions)	2019	2,431.9	N/A ^e	N/A ^e	N/A ^e	2,500.0	5,000.0	5,000.0	5,000.0	ACPC Annual Report	DA-ACPC	DA-ACPC		
		- SFFs	2019	2,189.4	N/A ^e	N/A ^e	N/A ^e	2,000.0	4,500.0	4,500.0	4,500.0		DA-ACPC	DA-ACPC		
		- AFF-based MSMEs	2019	242.5	N/A ^e	N/A ^e	N/A ^e	500.0	500.0	500.0	500.0		DA-ACPC	DA-ACPC		

^a New indicator proposed in 2019. Targets were committed from 2019 to 2022.

^g No annual accomplishment/target to be reported as the source of data for the indicator is based on a study that is not regularly published by agencies.

^h Aggregate Output Indicators pertaining to program areas, number of assisted enterprises and beneficiaries, either groups or individuals, may not be unique area or enterprises/beneficiaries, as an area/enterprise/group/individual may receive different and/or more than one machinery/equipment, technical support services, and livelihood projects.

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Objectives/ Results	SDG Tier 1 Indicators	Indicator	Baseline		Annual Plan Targets					End of Plan Target ^a	Means of Verification	Responsible Agency ^b	Reporting Entity ^c	Assumptions and Risk	
			Year	Value	2017	2018	2019	2020	2021						2022
Innovative financing and guarantee coverage provided to small farmer/fisherfolk individuals and organizations (cont'd)		Number of beneficiaries provided with credit under ACPC-administered credit programs (No.)	2019	77,587.0	N/A ^e	N/A ^e	N/A ^e	23,701.0	109,367.0	109,367.0	109,367.0	ACPC Annual Report	DA-ACPC	DA-ACPC	
		- SFFs	2019	77,576.0	N/A ^e	N/A ^e	N/A ^e	23,667.0	109,333.0	109,333.0	109,333.0		DA-ACPC	DA-ACPC	
		- AFF-based MSMEs	2019	11.0	N/A ^e	N/A ^e	N/A ^e	34.0	34.0	34.0	34.0		DA-ACPC	DA-ACPC	
		Amount/Volume of loans covered by guarantee increased (in PHP billions)	2019	6.3	N/A ^e	N/A ^e	N/A ^e	4.2 ⁿ	4.4	4.6	4.6	PGC Annual Report	DOF-PGC	DOF-PGC	Reduction in the amount of AGFP seed fund affects PGC's capacity to expand agricultural guarantee coverage
		Number of loan borrower accounts of lending institutions/Microfinance Institutions (MFIs) covered by guarantee increased (No.)	2019	66,583	N/A ^e	N/A ^e	N/A ^e	39,000 ⁿ	41,000	43,000	43,000	PGC Annual Report	DOF-PGC	DOF-PGC	
Chapter Outcome 3															
Access of consumers to nutritious, affordable, and safe food improved ^o	2.1.2 (Prevalence of moderate or severe food insecurity in the population, based on the Food Insecurity Experience Scale (FIES))	Prevalence of moderate or severe food insecurity in the population based on the Food Insecurity Experience Scale (See Chapter 11 RM)													
		Severely Food Insecure	2019	5.1	N/A ^g	N/A ^g	N/A ^g	N/A ^g	N/A ^g	N/A ^g	0.0	0.0	Expanded National Nutrition Survey	Inter-Agency Task Force on Zero Hunger DA, DSWD, DTI, DOTr, DOH, DepEd, NNC	DOST-FNRI
		Moderately Food Insecure	2019	39.1	N/A ^g	N/A ^g	N/A ^g	N/A ^g	N/A ^g	25.8	25.8	Expanded National Nutrition Survey			

^a New indicator proposed in 2019. Targets were committed from 2019 to 2022.

^g No annual accomplishment/target to be reported as the source of data for the indicator is based on a study that is not regularly published by agencies.

ⁿ 2020 targets based on the reduced AGFP seed fund, which took effect on 01 September 2019 pursuant to Executive Order No. 58, when administration of the AGFP was transferred to the PGC.

^o Sub-Chapter Outcome 2.1: Access to digitally supported value chains increased also contributes to the attainment of Chapter Outcome 3.