

































Objectives/Results	Indicator	Baseline	Latest Data							Plan Target <sup>a/</sup>	Likelihood of Achieving the PDP target	Responsible Agency <sup>b/</sup>	Reporting Entity <sup>c/</sup>
<b>CHAPTER 8: EXPANDING ECONOMIC OPPORTUNITIES IN AGRICULTURE, FORESTRY, AND FISHERIES AND ENSURING FOOD SECURITY</b>													
<b>Societal Goal</b>													
A healthy and resilient Philippines													
<b>Intermediate Goal</b>													
Transforming towards equity and resiliency													
<b>Chapter Outcome 1</b>													
Sustainable and resilient production and food availability ensured	Growth of Gross Value Added (GVA) in Agriculture, Forestry and Fisheries (AFF) increased (% in real terms)	-1.2	4.2	1.1	1.2	-0.2	-0.3	0.5	2.5-3.5		DA	PSA	
		2016	2017	2018	2019	2020	2021	2022	2022				
	Crops	-3.2	4.7	-0.7	-2.0	1.6	2.2	-1.1	2.0-3.0		DA	PSA	
		2016	2017	2018	2019	2020	2021	2022	2022				
	Livestock	4.6	3.4	3.7	-0.8	-6.9	-17.3	2.3	3.0-4.0		DA	PSA	
		2016	2017	2018	2019	2020	2021	2022	2022				
	Poultry	1.3	5.0	5.3	5.8	-2.4	-0.3	6.7	3.0-4.0		DA	PSA	
		2016	2017	2018	2019	2020	2021	2022	2022				
	Forestry	-7.6	-1.4	22.9	5.0	-14.4	4.5	-0.1	2.0-3.0		DENR	PSA	
		2016	2017	2018	2019	2020	2021	2022	2022				
	Growth in value of production of fisheries increased (% at constant prices)												
	Commercial	-7.8	-5.15	-1.89	0.06	0.03	-0.12	0.01	1.0		DA-BFAR	PSA	
		2016	2017	2018	2019	2020	2021	2022	2022				
Municipal	-4.9	-0.90	-1.73	2.89	-0.02	0.03	1.0	3.0		DA-BFAR	PSA		
	2016	2017	2018	2019	2020	2021	2022	2022					
Aquaculture	0.50	2.04	-0.50	4.17	-0.02	0.06	-0.07	5.00		DA-BFAR	PSA		
	2016	2017	2018	2019	2020	2021	2022	2022					
Growth in labor productivity of farmers and fisherfolk increased (% in real terms)	2.3	12.4	3.8	8.5	-4.6	-8.7	-1.2	4.9-6.0		DA	PSA		
	2016	2017	2018	2019	2020	2021	2022	2022					
<b>Sub-chapter Outcome 1.1</b>													
AFF productivity within ecological limit improved	Yield of major commodities increased (MT/ha, cumulative)												
	Palay	3.9	4.0	4.0	4.0	4.1	4.2	4.1	4.5		DA	PSA	
		2016	2017	2018	2019	2020	2021	2022	2022				
	White Corn	1.7	1.8	1.9	1.9	1.9	2.0	2.0	2.5		DA	PSA	
		2016	2017	2018	2019	2020	2021	2022	2022				
	Yellow Corn	4.0	4.2	4.1	4.2	4.2	4.2	4.2	5.0		DA	PSA	
		2016	2017	2018	2019	2020	2021	2022	2022				
Banana	20.1	20.5	20.9	20.4	20.1	20.2	20.4	22.0		DA	PSA		
	2016	2017	2018	2019	2020	2021	2022	2022					

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<b>CHAPTER 8: EXPANDING ECONOMIC OPPORTUNITIES IN AGRICULTURE, FORESTRY, AND FISHERIES AND ENSURING FOOD SECURITY</b>												
	Pineapple	40.1	40.5	41.3	41.6	40.4	42.6	43.0	44.0		DA	PSA
		2016.0	2017	2018	2019	2020	2021	2022	2022			
	Mango	4.3	4.0	3.8	4.0	4.0	4.0	3.9	4.2		DA	PSA
		2016.0	2017	2018	2019	2020	2021	2022	2022			
	Sugarcane	54.6	66.9	56.5	54.6	61.1	62.5	58.4	60.0		SRA	PSA
		2016	2017	2018	2019	2020	2021	2022	2022			
	Cassava	12.0	12.0	12.0	11.8	11.9	11.8	11.8	19.3		DA	PSA
		2016	2017	2018	2019	2020	2021	2022	2022			
	Coffee	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.7		DA	PSA
		2016	2017	2018	2019	2020	2021	2022	2022			
	Cacao	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.4		DA	PSA
		2016	2017	2018	2019	2020	2021	2022	2022			
	Rubber	1.6	1.8	1.8	1.9	1.8	1.8	1.7	2.0		DA	PSA
		2016	2017	2018	2019	2020	2021	2022	2022			
	Abaca	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.56		DA-PhilFIDA	PSA
		2016	2017	2018	2019	2020	2021	2022	2022			
	Volume of production increased ('000 MT, cumulative) <sup>d/</sup>											
	Hog	2,231.70	2,265.02	2,319.76	2,296.65	2,142.65	1,696.15	1,737.10	1,987.00		DA	PSA
		2016	2017	2018	2019	2020	2021	2022	2022			
	Goat	77.5	77.3	77.0	76.4	71.7	73.0	70.4	81.7		DA	PSA
		2016	2017	2018	2019	2020	2021	2022	2022			
	Dairy	21.2	22.8	23.7	24.4	26.7	26.3	30.3	28.5		DA	PSA
		2016	2017	2018	2019	2020	2021	2022	2022			
	Chicken	1,674.50	1,745.89	1,836.66	1,927.41	1,809.85	1,744.80	1,866.70	1,956.30		DA	PSA
		2016	2017	2018	2019	2020	2021	2022	2022			
	Chicken Egg	461.7	492.4	533.9	583.2	605.8	661.4	708.5	674.3		DA	PSA
		2016	2017	2018	2019	2020	2021	2022	2022			
	Vegetables	1,572.70	1,641.50	1,622.90	1,678.60	1,672.30	1,656.31	1,672.75	1,993.00		DA	PSA
		2016	2017	2018	2019	2020	2021	2022	2022			
	Tilapia	300.7	311	321	321	304	340	304	351		DA-BFAR	PSA
		2016	2017	2018	2019	2020	2021	2022	2022			
	Bangus	402.7	416.4	400.1	414.9	421.0	446.4	390.1	446.8		DA-BFAR	PSA
		2016	2017	2018	2019	2020	2021	2022	2022			






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<b>CHAPTER 8: EXPANDING ECONOMIC OPPORTUNITIES IN AGRICULTURE, FORESTRY, AND FISHERIES AND ENSURING FOOD SECURITY</b>												
	Seaweeds	1,404.50	1,415.30	1,478.30	1,500.00	1,468.70	1,343.71	1,545.00	1,545.40		DA-BFAR	PSA
		2016	2017	2018	2019	2020	2021	2022	2022			
	Shrimp and Prawns	65.5			72.37	70.5	77.9	76.2	76.8		DA-BFAR	PSA
		2018			2019	2020	2021	2022	2022			
	Logs (m <sup>3</sup> )	790	733.5	884.3	948.1	832.0	827.0	777.0	1,005.4		DENR-FMB	DENR-FMB
		2016	2017	2018	2019	2020	2021	2022	2022			
	Almaciga Resin ('000 kg)	686	204.7	204.5	740.0	813.7	413.9	334.0	531.4		DENR-FMB	DENR-FMB
		2016	2017	2018	2019	2020	2021	2022	2,022			
	Bamboo ('000 pc)	883	998.1	1,194.9	1,637.0	940.5	3,404.5	2,132.6	1,309.9		DENR-FMB	DENR-FMB
		2016	2017	2018	2019	2020	2021	2022	2022			
	Postharvest losses of key agricultural commodities reduced (% , cumulative)											
	Rice	14.0		13.7					12.0		DA	DA-PhilMech
		2015	2016	2017	2018	2019	2020	2021	2022			
Technical support services for perennial crops provided	<b>Aggregate Outputs</b>											
	Program area for perennial crops provided with technical support services increased (ha) <sup>f/</sup>											
	Mango	305	459	3,761	1,214	109	560	544	22,632		DA	DA
		2016	2017	2018	2019	2020	2021	2022	2022			
	Coffee	7,485	6,267	3,044	946	633	418	320	57,146		DA	DA
		2016	2017	2018	2019	2020	2021	2022	2022			
	Cacao	17,217	14,387	4,498	1,697	929	697	1,168	65,219		DA	DA
		2016	2017	2018	2019	2020	2021	2022	2022			
	Rubber	3,999	4,789	91	84	44	96	5	12,736		DA	DA
		2016	2017	2018	2019	2020	2021	2022	2022			
	Banana	549	620	875	488	91	298	157	9,540		DA	DA
		2016	2017	2018	2019	2020	2021	2022	2022			
	Pineapple	61	45	203	28	4	218	5	1,005		DA	DA
		2016	2017	2018	2019	2020	2021	2022	2022			
	Cassava	229,769	119,357	39,332	64,688	7,057	10,839	14,267	1,788,589		DA	DA
		2016	2017	2018	2019	2020	2021	2022	2022			
	Abaca	134,427	153,754	141,614	155,454	159,900	161,860	162,508	827,850		DA-PhilFIDA	DA-PhilFIDA
		2016	2017	2018	2019	2020	2021	2022	2022			
Technical support services for staple crops provided	Program harvest area for staple crops provided with technical support services increased (ha) <sup>f/</sup>											
	Palay	516,182	84,276	714,046	407,715	375,890	1,502,183	1,148,008	2,344,000		DA	DA
		2016	2017	2018	2019	2020	2021	2022	2022			

Objectives/Results	Indicator	Baseline	Latest Data						Plan Target <sup>a/</sup>	Likelihood of Achieving the PDP target	Responsible Agency <sup>b/</sup>	Reporting Entity <sup>c/</sup>
<b>CHAPTER 8: EXPANDING ECONOMIC OPPORTUNITIES IN AGRICULTURE, FORESTRY, AND FISHERIES AND ENSURING FOOD SECURITY</b>												
	Yellow corn	535,163	676,585	770,625	870,867	134,825	676,154	413,549	3,329,919		DA	DA
		2016	2017	2018	2019	2020	2021	2022	2022			
	White corn	201,138	181,435	359,741	293,342	91,641	171,571	364,750	1,345,977		DA	DA
		2016	2017	2018	2019	2020	2021	2022	2022			
Technical support services for livestock, poultry and dairy provided	Number of group beneficiaries provided with technical support services increased (No.) <sup>f/</sup>	939	2,125	1,989	1,602	2,080	2,043	2,240	9,957		DA-NLP, DA-NDA (for Dairy)	DA-NLP, DA-NDA (for Dairy)
		2016	2017	2018	2019	2020	2021	2022	2022			
	Number of individual beneficiaries provided with technical support services increased (No.) <sup>f/</sup>	358,218	32,502	38,179	69,991	27,984	25,009	65,425	875,999		DA-NLP, DA-NDA (for Dairy)	DA-NLP, DA-NDA (for Dairy)
		2016	2017	2018	2019	2020	2021	2022	2022			
Technical support services for fisheries provided	Number of fisherfolk provided with production support increased (No.) <sup>f/</sup>	109,406	110,206	107,412	63,197	63,610	66,323	30,588	970,642		DA-BFAR	DA-BFAR
		2016	2017	2018	2019	2020	2021	2022	2022			
	Number of group beneficiaries provided with production support increased (No.) <sup>e/</sup>	4,547			2,148	3,510	2,396	1,582	8,559		DA-BFAR	DA-BFAR
		2018		2019	2020	2021	2022	2022				
Agricultural and fisheries machinery, equipment and facilities distributed	Number of group beneficiaries provided with agricultural and fishery machineries and equipment increased (No.) <sup>f/</sup>	5,639	6,056	4,891	50	82	104	103	44,863		DA (lead), DA-PhilFIDA, PCA, DA-BFAR, DA-NLP	DA, DA-PhilFIDA, PCA, DA-BFAR, DA-NLP
		2016	2017	2018	2019	2020	2021	2022	2022			
Capacity building on urban agriculture, backyard/ household gardening and community farming provided	Number of individual beneficiaries provided with trainings on urban agriculture, backyard/household gardening and community farming increased (No.)	417				49,017	2,115	1,409	3,550		DA-ATI TESDA	DA-ATI TESDA
		2019				2020	2021	2022	2022			
	Number of trainings conducted on urban agriculture, backyard/household gardening and community farming conducted (No.)	14				319	94	50	142		DA-ATI TESDA	DA-ATI TESDA
		2019				2020	2021	2022	2022			
Capacity building on organic agriculture provided	Number of individual beneficiaries provided with trainings on organic farming increased (No.)	2,850	8,516	5,444	14,474	8,972	11,701	16,226	54,339		DA	DA
		2016	2017	2018	2019	2020	2021	2022	2022			
	Number of trainings conducted on organic farming increased (No.)	95	159	146	373	258	410	301	1,618		DA	DA
		2016	2017	2018	2019	2020	2021	2022	2022			

Objectives/Results	Indicator	Baseline	Latest Data						Plan Target <sup>a/</sup>	Likelihood of Achieving the PDP target	Responsible Agency <sup>b/</sup>	Reporting Entity <sup>c/</sup>	
<b>CHAPTER 8: EXPANDING ECONOMIC OPPORTUNITIES IN AGRICULTURE, FORESTRY, AND FISHERIES AND ENSURING FOOD SECURITY</b>													
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)												
	Non-Timber Forest Products	434,293	514,412	562,878	567,986	588,923	627,230	643,137	453,108		DENR-FMB	DENR-FMB	
		2016	2017	2018	2019	2020	2021	2022	2022				
<b>Sub-chapter Outcome 1.2</b>													
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)	18.0			90.0				90.0	60.0		DA	DA
		2015	2016	2017	2018	2019	2020	2021	2022	2022			
	Share of adopters among technology trained small fisherfolk increased (% , annual)	56.0			72.0	52.0	79.0	76.0	64.0			DA	DA
		2018		2019	2020	2021	2022	2022					
AFF research, development, and extension (RD&E) activities conducted	<b>Aggregate Outputs</b>												
	Share of AFF research and development (R&D) government budget to total AFF GVA increased (% , cumulative)	0.3	1.1	0.9	0.7	0.7	0.6	0.6	1.1		DA and DOST-PCAARRD	DOST-PCAARRD	
		2016	2017	2018	2019	2020	2021	2022	2022				
	Number of new technologies increased (No.)	164	172	162	121	90	98	124	826		DA	DA	
		2016	2017	2018	2019	2020	2021	2022	2022				
	Number of beneficiaries provided with extension services increased (No.) <sup>f/</sup>	112,667	118,248	121,003	101,434	83,396	107,385	125,319	610,396		DA-ATI	DA-ATI	
		2016	2017	2018	2019	2020	2021	2022	2022				
	Number of individual fisherfolk trained on aquaculture, municipal, commercial, regulatory, postharvest and others (No.)	37,097			31,876	14,158	22,588	18,513	95,463		DA-BFAR	DA-BFAR	
		2018		2019	2020	2021	2022	2022					
	Number of group beneficiaries provided with trainings on production, processing, packaging and marketing increased (No.)	220				154	157	86	1,495		DA	DA	
	2017		2018	2019	2020	2021	2022	2022					
Number of individual beneficiaries provided with trainings on production, processing, packaging and marketing increased (No.)	27,892	41,808	60,914	48,584	73,759	33,937	21,824	253,777		DA	DA		
	2016	2017	2018	2019	2020	2021	2022	2022					
Number of trainings conducted on production, processing, packaging and marketing increased (No.)	562	1,046	1,377	994	1,226	955	490	6,565		DA	DA		
	2016	2017	2018	2019	2020	2021	2022	2022					

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<b>CHAPTER 8: EXPANDING ECONOMIC OPPORTUNITIES IN AGRICULTURE, FORESTRY, AND FISHERIES AND ENSURING FOOD SECURITY</b>													
<b>Sub-chapter Outcome 1.3</b>													
Access of small farmers and fisherfolk to land and water resources increased and protected	Share of actual agrarian reform beneficiaries (ARBs) with emancipation patent (EP)/ certificate of land ownership award (CLOA) to total potential ARBs increased (% , cumulative)	88.6	89.0	90.0	90.4	90.7	90.8	90.8	98.2		DAR	DAR	
													
		2016	2017	2018	2019	2020	2021	2022	2022				
Growth in the number of registered small fisherfolk with preferential access to municipal waters (%)		5.0	6.6	5.7	0.5	3.0	10.0	7.0	0.5		DA-BFAR	DA-BFAR	
													
		2016	2017	2018	2019	2020	2021	2022	2022				
<b>Aggregate Outputs</b>													
Land under CARP distributed (under regular LAD)	Area distributed under CARP increased (ha, cumulative)	4,823,037	4,857,604	4,886,105	4,918,346	4,937,135	4,951,109	4,960,332	5,057,805		DAR	DAR	
													
		2016	2017	2018	2019	2020	2021	2022	2022				
Number of ARBs with EP/CLOAs increased (No., cumulative)		2,807,108	2,841,680	2,867,293	2,887,914	2,902,443	2,911,520	2,919,249	3,012,543		DAR	DAR	
													
		2016	2017	2018	2019	2020	2021	2022	2022				
Parcelization of collective CLOAs	Area of collective CLOAs subdivided increased (ha, cumulative)	1,114,792	1,161,202 <sup>1</sup>	1,202,200	1,250,680	123,307			2,581,012		DAR	DAR	
													
		2016	2017	2018	2019	2020	2021	2022	2022				
Support to registered fisherfolk	Number of registered fisherfolk provided with livelihood projects increased (No.)	111,936	113,681	111,880	65,892	65,654	67,738	37,568	1,114,458		DA-BFAR	DA-BFAR	
													
		2016	2017	2018	2019	2020	2021	2022	2022				
	Number of group beneficiaries provided with livelihood projects increased (No.)	5,258			2,910	3,965	2,583	2,161	9,506		DA-BFAR	DA-BFAR	
													
		2018			2019	2020	2021	2022	2022				
Number of Fisheries Management Areas (FMA) Board/Body established and functioning (No., Cumulative)	3				6	12	12	12			DA-BFAR	DA-BFAR	
													
	2019				2020	2021	2022	2022					
Number of BFAR and LGU FMA action plans developed (No., Cumulative)		3			3	3	7	12			DA-BFAR	DA-BFAR	
													
		2019			2020	2021	2022	2022					
<b>Chapter Outcome 2</b>													
<b>Sub-chapter Outcome 2.1</b>													
Capacity-building on the use of electronic/digital platforms for marketing provided	<b>Aggregate Outputs</b>	327					1,259	3,351	875		DA-ATI, TESDA, CDA	DA-ATI, TESDA, CDA	
	Number of individual beneficiaries provided with trainings on digital/ electronic marketing increased (No.)												
		2019				2020	2021	2022	2022				



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<b>CHAPTER 8: EXPANDING ECONOMIC OPPORTUNITIES IN AGRICULTURE, FORESTRY, AND FISHERIES AND ENSURING FOOD SECURITY</b>										
	-AFF-based MSMEs	<b>11.0</b>	<b>152.0</b>	<b>192.0</b>			<b>34.0</b>		DA-ACPC	DA-ACPC
		2019	2020	2021	2022	2022				
	Amount/Volume of loans covered by guarantee increased (in PHP billions)	<b>6.3</b>	<b>4.3</b>	<b>5.6</b>	<b>4.8</b>	<b>4.6</b>			DOF-PGC	DOF-PGC
		2019	2020	2021	2022	2022				
	Number of loan borrower accounts of lending institutions/Microfinance Insitutions (MFIs) covered by guarantee increased (No.)	<b>66,583</b>	<b>48,038</b>	<b>45,051</b>	<b>39,811</b>	<b>43,000</b>			DOF-PGC	DOF-PGC
		2019	2020	2021	2022	2022				
<b>Chapter Outcome 3</b>										
Access of consumers to nutritious, affordable, and safe food improved <sup>g/</sup>										
	Prevalence of moderate or severe food insecurity in the population based on the Food Insecurity Experience Scale (See Chapter 11 RM)									
	Severely Food Insecure	<b>5.1</b>		<b>2.0</b>			<b>0.0</b>		Inter-Agency Task Force on Zero HungerDA, DSWD, DTI, DOTr, DOH, DepEd, NNC	DOST-FNRI
		2019	2020	2021	2022	2022				
	Moderately Food Insecure	<b>39.1</b>		<b>31.4</b>			<b>25.8</b>		Inter-Agency Task Force on Zero HungerDA, DSWD, DTI, DOTr, DOH, DepEd, NNC	DOST-FNRI
		2019	2020	2021	2022	2022				

<sup>a/</sup> May either be cumulative or incremental target value at the end of the Plan period.

<sup>b/</sup> Agency accountable for delivering the outputs/outcome.

<sup>c/</sup> Lead/responsible agency for reporting progress on indicator targets.

<sup>d/</sup> 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.

<sup>e/</sup> 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.

<sup>f/</sup> 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.

<sup>g/</sup> Sub-Chapter Outcome 2.1: Access to digitally supported value chains increased also contributes to the attainment of Chapter Outcome 3.

List of Acronyms:

CDA - Cooperative Development Authority  
DA - Department of Agriculture  
DA-ACPC - DA-Agricultural Credit Policy Council  
DA-ATI - DA-Agricultural Training Institute  
DA-BFAR - DA-Bureau of Fisheries and Aquatic Resources  
DA-NDA - DA-National Dairy Authority  
DA-NLP - DA-National Livestock Program  
DA-PCIC - DA-Philippine Crop Insurance Corporation  
DA-PhilFIDA - DA-Philippine Fiber Industry Development Authority  
DA-PhilMech - DA-Philippine Center for Postharvest Development and Mechanization  
DAR - Department of Agrarian Reform  
DepEd - Department of Education  
DENR - Department of Environment and Natural Resources

DENR-FMB - DENR-Forest Management Bureau  
DOF-PGC - DOF-Philippine Guarantee Corporation  
DOH - Department of Health  
DOST-FNRI - DOST-Food and Nutrition Research Institute  
DOST-PCAARRD - DOST-Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development  
DOTr - Department of Transportation  
DSWD - Department of Social Welfare and Development  
DTI - Department of Trade and Industry  
NNC - National Nutrition Council  
PCA - Philippine Coconut Authority  
PSA - Philippine Statistics Authority  
SRA - Sugar Regulatory Administration  
TESDA - Technical Education And Skills Development Authority