Palay and Corn Quarterly Bulletin

July-September 2018

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FOREWORD

This report describes the palay and corn crop situation from July to September 2018. The estimates are the results of the October 2018 round of the Palay and Corn Production Survey (PCPS) conducted quarterly by the Philippine Statistics Authority (PSA).

The report also includes information on monthly prices of palay, rice, corn and fertilizer; and cumulative actual decadal and normal rainfall. Data on prices are sourced from the Weekly Cereals and Fertilizer Price Monitoring (WCFPM) of the PSA, while rainfall data are provided by the Philippine Atmospheric Geophysical and Astronomical Services Administration (PAGASA).

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November 2018

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BACKGROUND[1]

Scope and Coverage

The Palay and Corn Production Survey (PCPS) is the source of data for palay and corn published in this Bulletin.

Production and harvest area for palay and corn are generated from the PCPS which has four survey rounds in a year, that is, January, April, July and October.

Crops statistics covers all regions excluding National Capital Region (NCR).

Sampling Methodology

The sampling design of the PCPS uses the results of 1991 Census of Agriculture (CAF) as the sampling frame. The survey domain is the province. It employs a replicated two-stage stratified sampling design. The barangay is the primary sampling unit, which is selected using probability proportional to size scheme. The farming household serves as the secondary sampling unit, which is selected systematically.

Data Collection

For PCPS, data collection is conducted quarterly during the first 10 days of the month after the reference quarter.

Concepts and Definitions

Crop production refers to the quantity produced and actually harvested for a particular crop during the reference period. It includes those harvested but damaged, stolen, given away, consumed, given as harvester's share, reserved, etc. Excluded are those produced but not harvested due to low price, lack of demand and force majeure or fortuitous events, etc.

Harvest area refers to the actual area from which harvests are realized. This excludes crop area which were totally damaged. It may be smaller than the area planted.

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[1]**Source:** *Excerpts from Crops Statistics of the Philippines 2012-2016, ISSN-2012-0487*
https://psa.gov.ph/content/crops-statistics-philippines-national-and-regional

HIGHLIGHTS

1.0 PALAY AND CORN SITUATION

PALAY

Palay production from **July to September 2018** was 3.20 million metric tons. This was 5.7 percent lower than the 2017 level of 3.39 million metric tons. Likewise, harvest area contracted to 824.82 thousand hectares from previous year's record of 852.63 thousand hectares. Yield declined to 3.88 metric tons per hectare or lower by 2.5 percent (Table 1.1 to 1.3).

- o Substantial decrement in production was noted in Cagayan Valley at 41.7 percent from the previous year's level. This was followed by CALABARZON, Ilocos Region and MIMAROPA.

- o Decrement in harvest area was largest in Cagayan Valley.

**FIGURE 1 Palay Production, Philippines
July-September: 2016-2018**

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Palay production from the irrigated areas contributed 71.8 percent to the total palay output from July to September 2018. The remaining 28.2 percent came from rainfed areas.

FIGURE 2 Percent Share of Irrigated and Rainfed Palay to Total Production, July-September: 2018

Production of irrigated palay was registered at 2.30 million metric tons during the period. This was lower by 5.8 percent from the previous year's level of 2.44 million metric tons. The major producing regions for irrigated palay were Western Visayas, SOCCSKSARGEN and Central Luzon (Table 1.4).

FIGURE 3 Distribution of Irrigated Palay Production by Region, July-September: 2018

Palay output in rainfed areas was at 900.59 thousand metric tons. This was lower than the 2017 level of 952.73 thousand metric tons, or by 5.5 percent. Western Visayas, ARMM and SOCCSKSARGEN were the top producing regions with a combined share of 70.3 percent of the country's total rainfed palay production (Table 1.5).

FIGURE 4 Distribution of Rainfed Palay Production by Region, July-September: 2018

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FIGURE 5 Thematic Map of Palay Production by Region
July-September: 2018

CORN

➢ Corn production from **July to September 2018,** at 2.21 million metric tons, was 14.8 percent below the 2.59 million metric tons recorded production in 2017. Harvest area contracted from 884.21 thousand hectares to 784.93 thousand hectares or by 11.2 percent. Yield per hectare decreased by 4.1 percent, from 2.93 metric tons to 2.81 metric tons (Tables 1.6 to 1.8).

  o Bulk of decrements in production were reported in Cagayan Valley, CAR, Caraga, Central Visayas, and Bicol Region. These were attributed to the decrease in harvest areas and yield.

FIGURE 6 Corn Production, Philippines
July-September: 2016-2018

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Of the total corn production, yellow corn accounted for 61.2 percent, while white corn comprised the remaining 38.8 percent.

FIGURE 7 Distribution of Corn Production by Crop type, July-September: 2018

Production of yellow corn posted 1.35 million metric tons during the period. This was 23.2 percent lower than the previous year's level of 1.76 million metric tons. The major yellow corn producing regions were SOCCSKSARGEN, Cagayan Valley and Northern Mindanao (Table 1.9).

FIGURE 8 Distribution of Yellow Corn Production by Region, July-September: 2018

White corn production was estimated at 855.11 thousand metric tons, 3.0 percent higher that the 2017 level of 830.15 thousand metric tons . The top producing regions were Northern Mindanao, ARMM and Zamboanga Peninsula (Table 1.10).

FIGURE 9 Distribution of White Corn Production by Region, July-September: 2018

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FIGURE 10 Thematic Map of Corn Production by Region
July-September: 2018

2.0 PRICES[2]

PALAY/RICE

o The average farmgate price of palay from January to September 2018 was ₱21.02 per kilogram, 10.8 percent above previous year's price of ₱18.97. From ₱19.12 in January 2018, price continuously rose to ₱22.88 in September 2018 (Table 2.1).

FIGURE 11 Monthly Farmgate Prices for Palay Philippines, January-December: 2017-2018

o At wholesale, average price of rice from January to September 2018 was ₱41.78 per kilogram, 7.9 percent higher than previous year's ₱38.72 per kilogram. Monthly wholesale prices are, likewise, higher than their respective levels in 2017.

FIGURE 12 Monthly Wholesale Prices for Rice Philippines, January-December: 2017-2018

o This year's average retail price of rice was higher by 6.7 percent at ₱44.58 per kilogram. Monthly retail prices exhibited the same movements with monthly farmgate prices and monthly wholesale prices, that is, higher than their 2017 levels.

FIGURE 13 Monthly Retail Prices for Rice Philippines, January-December: 2017-2018

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[2] *Source: Excerpts from Weekly Cereals and Fertilizer Price Monitoring (WCFPM) of the PSA*

o In Metro Manila, the average wholesale price of rice from January to September 2018 was ₱39.82 per kilogram. This was 7.6 percent higher than last year's average price of ₱36.99 per kilogram. The monthly wholesale prices ranged from ₱37.90 to ₱44.52 per kilograms (Table 2.2).

FIGURE 14 Monthly Wholesale Prices for Rice
Metro Manila, January-December: 2017-2018

o At retail, the nine-month average price of rice in Metro Manila was ₱43.36 per kilogram, 6.6 percent higher than the previous year's average price of ₱40.69. The January to September 2018 average retail prices were higher than their respective records in 2017.

FIGURE 15 Monthly Retail Prices for Rice
Metro Manila, January-December: 2017-2018

CORN

Yellow Corn

o The average farmgate price of yellow corn from January to September 2018 was ₱13.94 per kilogram, 22.7 percent higher than the previous year's average price of ₱11.36. Monthly price peaked in September at ₱14.74 per kilogram (Table 2.3).

FIGURE 16 Monthly Farmgate Prices for Yellow Corn
Philippines, January-December: 2017-2018

o This year's average wholesale price of yellow corn for the first nine months went up by 12.3 percent from the 2017 quotation of ₱17.78 per kilogram to ₱19.97 per kilogram. Average monthly prices from January to September 2018 were higher than their respective records in 2017.

FIGURE 17 Monthly Wholesale Prices for Yellow Corn Philippines, January-December: 2017-2018

o The average retail price of ₱24.13 per kilogram from January to September 2018 was 7.3 percent higher than the 2017 price of ₱22.49. Monthly retail prices exhibited the same price movement as the wholesale price, that is, higher than their respective levels in 2017.

FIGURE 18 Monthly Retail Prices for Yellow Corn Philippines, January-December: 2017-2018

White Corn

o The January to September 2018 average farmgate price of white corn increased by 23.5 percent, from ₱13.17 per kilogram a year ago to ₱16.27 per kilogram this year. Monthly prices, generally showed downward movement from ₱16.22 per kilogram in January 2018 to ₱14.52 per kilogram in September 2018 (Table 2.4).

FIGURE 19 Monthly Farmgate Prices for White Corn Philippines, January-December: 2017-2018

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- o At wholesale, the nine-month average price of white corn for 2018 was ₱20.62 per kilogram, 25.0 percent higher than the last year's quotation of ₱16.50. This year's monthly prices ranged from ₱19.70 per kilogram to ₱21.75 per kilogram.

FIGURE 20 Monthly Wholesale Prices for White Corn Philippines, January-December: 2017-2018

- o The average retail price from January to September 2018 was ₱29.11 per kilogram. This was above by 1.2 percent from the 2017 price of ₱28.77 per kilogram. Monthly retail price was highest in February and April 2018 at ₱29.99 per kilogram.

FIGURE 21 Monthly Retail Prices for White Corn Philippines, January-December: 2017-2018

FERTILIZER

- o The January to September 2018 average dealers' price of urea fertilizer was ₱1,008.08 per bag of 50 kilograms or 11.1 percent higher than the previous year's price of ₱907.32. The monthly prices showed an increasing trend from ₱967.29 in January 2018 to ₱1,055.36 in September 2018 (Table 2.5).

FIGURE 22 Monthly Dealers' Prices for Urea Philippines, January-December: 2017-2018

- The average dealers' price of ammonium sulphate or ammosul fertilizer for the first nine months of 2018 was ₱592.41 per bag of 50 kilograms, 6.2 percent higher than the 2017 record of ₱557.57. From January to September 2018, monthly prices of ammosul were higher than their respective levels in 2017.

FIGURE 23 Monthly Dealers' Prices for Ammosul Philippines, January-December: 2017-2018

- For ammonium phosphate or ammophos fertilizer, the average dealers' price from January to September 2018 was ₱924.64 per bag of 50 kilograms. This was higher than the ₱910.16 price quotation in 2017. Uptrend in dealers' prices was observed throughout the nine-month period.

FIGURE 24 Monthly Dealers' Prices for Ammophos Philippines, January-December: 2017-2018

- The January to September 2018 average dealers' price of complete fertilizer exhibited the same price movement as urea, ammosul, and ammophos. During the period, the average price was ₱1,105.81 per bag of 50 kilograms, higher than the 2017 price of ₱1,098.77 or by 0.6 percent.

FIGURE 25 Monthly Dealers' Prices for Complete Philippines, January-December: 2017-2018

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3.0 WEATHER INDICATOR, JULY-SEPTEMBER 2018[3]

El Niño Southern Oscillation (ENSO)-neutral conditions are present in the tropical Pacific and likely to continue until July to September season. However, warmer than average sea surface temperatures (SSTs) have persisted with majority of climate models predicting an increasing chance (65%) of El Niño to develop during the September to November season and will likely continue until the December to January 2018-2019 season. With this current state and outlook, El Niño Watch is activated.

Rainfall assessment for July 2018 showed that near to above normal rainfall were experienced by most provinces in Ilocos Region, Cagayan Region, Central Luzon, Benguet, Kalinga, Apayao, CALABARZON, Metro Manila, MIMAROPA, most of Bicol Region, most Western Visayas, and Davao Region. Provinces of Catanduanes and Surigao del Norte received way below normal rainfall while the rest of the country experienced below normal rainfall conditions. For the month of August 2018, most parts of the Cordillera Administrative Region (CAR), Regions I and III, including the provinces of Batanes, Nueva Viscaya and Rizal experienced above normal rainfall conditions. However, most parts of southern Luzon, Visayas and Mindanao received below to way below normal rainfall, while the rest of the country experienced near normal rainfall conditions. Rainfall assessment for September 2018, revealed that most parts of the country, including Metro Manila received near normal to above normal rainfall conditions. Likewise, Ilocos Norte, Batangas, Quezon, most provinces of MIMAROPA, Camarines Norte, Northern Panay, Leyte, Davao City, Davao del Sur and Cotabato experienced below normal rainfall. Meanwhile, Baguio station has exceeded its normal rainfall for the month (570 mm) with the observed 4-day rainfall (12-15 September) of 794 mm due to the passage of typhoon "Ompong".

The weather systems that affected the country were the intertropical convergence zone (ITCZ), low pressure areas (LPAs), localized thunderstorms, easterlies, southwest (SW) monsoon, ridge of high pressure areas (HPAs) and the passage of ten (10) tropical cyclones (TCs) over the Philippine Area of Responsibility (PAR), namely: Typhoon (TY) "Gardo" (July 9-10), Tropical Storm (TS) "Henry" (July 15-17), Severe Tropical Storm (STS) "Inday" (July18-20), Tropical Depression (TD) "Josie" (July 21-22), Tropical Storm (TS) "Karding" (August 7-11), Tropical Depression (TD) "Luis" (August 23-24), Typhoon (TY) "Maymay" (September 2), Tropical Depression (TD) "Neneng" (September 10), Typhoon (TY) "Ompong" (September 12-15) and Typhoon (TY) "Paeng" (September 23-29).

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[3] **Source:** *Excerpts from Philippine Atmospheric, Geophysical and Astronomical Services Administration (PAGASA), January 15, 2018 to July 4, 2018 Monthly Climate Assessment and Outlook*

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STATISTICAL TABLES

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TABLE 1.1 Volume of Production for Palay by Region, July-September: 2016-2018
   (In metric tons)

(Details may not add up due to rounding)

Region	2016	2017	2018	Change				Percent share
				2017 / 2016		2018 / 2017		
				Level	%	Level	%	
PHILIPPINES	2,968,770	3,389,509	3,196,196	420,739	14.2	(193,313)	(5.7)	100.00
Cordillera Administrative Region (CAR)	59,577	58,958	54,193	(619)	(1.0)	(4,765)	(8.1)	1.70
Region I (Ilocos Region)	152,133	169,825	152,465	17,692	11.6	(17,360)	(10.2)	4.77
Region II (Cagayan Valley)	256,680	302,425	176,336	45,745	17.8	(126,089)	(41.7)	5.52
Region III (Central Luzon)	206,612	287,696	274,843	81,084	39.2	(12,853)	(4.5)	8.60
Region IV-A (CALABARZON)	51,787	54,552	34,438	2,765	5.3	(20,114)	(36.9)	1.08
MIMAROPA Region	100,974	142,627	125,333	41,653	41.3	(17,294)	(12.1)	3.92
Region V (Bicol Region)	210,552	204,394	202,814	(6,158)	(2.9)	(1,580)	(0.8)	6.35
Region VI (Western Visayas)	609,115	789,163	781,999	180,048	29.6	(7,164)	(0.9)	24.47
Region VII (Central Visayas)	13,876	16,905	16,294	3,029	21.8	(611)	(3.6)	0.51
Region VIII (Eastern Visayas)	120,680	126,930	117,792	6,250	5.2	(9,138)	(7.2)	3.69
Region IX (Zamboanga Peninsula)	181,232	209,613	195,756	28,381	15.7	(13,857)	(6.6)	6.12
Region X (Northern Mindanao)	215,201	200,698	204,314	(14,503)	(6.7)	3,616	1.8	6.39
Region XI (Davao Region)	117,907	132,795	150,426	14,888	12.6	17,631	13.3	4.71
Region XII (SOCCSKSARGEN)	425,089	462,805	456,097	37,716	8.9	(6,708)	(1.4)	14.27
Region XIII (Caraga)	27,574	37,739	34,809	10,165	36.9	(2,930)	(7.8)	1.09
Autonomous Region in Muslim Mindanao (ARMM)	219,781	192,384	218,288	(27,397)	(12.5)	25,904	13.5	6.83

TABLE 1.2 Harvest Area for Palay by Region, July-September: 2016-2018
(In hectares)

(Details may not add up due to rounding)

Region	2016	2017	2018	Change				Percent share
				2017 / 2016		2018 / 2017		
				Level	%	Level	%	
PHILIPPINES	**745,136**	**852,629**	**824,820**	**107,494**	**14.4**	**(27,809)**	**(3.3)**	**100.00**
Cordillera Administrative Region (CAR)	17,873	17,550	16,489	(323)	(1.8)	(1,061)	(6.0)	2.00
Region I (Ilocos Region)	33,706	36,813	38,506	3,107	9.2	1,693	4.6	4.67
Region II (Cagayan Valley)	57,110	64,718	41,562	7,608	13.3	(23,157)	(35.8)	5.04
Region III (Central Luzon)	43,961	59,324	60,367	15,363	34.9	1,043	1.8	7.32
Region IV-A (CALABARZON)	14,641	15,213	9,189	572	3.9	(6,024)	(39.6)	1.11
MIMAROPA Region	24,959	34,284	30,311	9,325	37.4	(3,973)	(11.6)	3.67
Region V (Bicol Region)	53,721	53,371	51,385	(350)	(0.7)	(1,986)	(3.7)	6.23
Region VI (Western Visayas)	167,453	216,502	216,301	49,049	29.3	(201)	(0.1)	26.22
Region VII (Central Visayas)	4,630	5,181	5,704	551	11.9	523	10.1	0.69
Region VIII (Eastern Visayas)	34,644	35,348	33,615	704	2.0	(1,733)	(4.9)	4.08
Region IX (Zamboanga Peninsula)	41,228	50,916	49,059	9,688	23.5	(1,857)	(3.6)	5.95
Region X (Northern Mindanao)	44,318	41,073	41,368	(3,245)	(7.3)	295	0.7	5.02
Region XI (Davao Region)	25,594	28,914	32,009	3,320	13.0	3,095	10.7	3.88
Region XII (SOCCSKSARGEN)	97,294	106,950	102,812	9,656	9.9	(4,138)	(3.9)	12.46
Region XIII (Caraga)	8,381	12,101	11,662	3,720	44.4	(439)	(3.6)	1.41
Autonomous Region in Muslim Mindanao (ARMM)	75,623	74,371	84,481	(1,252)	(1.7)	10,110	13.6	10.24

TABLE 1.3 Yield for Palay by Region, July-September: 2016-2018
(In metric tons per hectare)

(Details may not add up due to rounding)

Region	2016	2017	2018	Change			
				2017 / 2016		2018 / 2017	
				Level	%	Level	%
PHILIPPINES	**3.98**	**3.98**	**3.88**	**(0.01)**	**(0.2)**	**(0.10)**	**(2.5)**
Cordillera Administrative Region (CAR)	3.33	3.36	3.29	0.03	0.8	(0.07)	(2.2)
Region I (Ilocos Region)	4.51	4.61	3.96	0.10	2.2	(0.65)	(14.2)
Region II (Cagayan Valley)	4.49	4.67	4.24	0.18	4.0	(0.43)	(9.2)
Region III (Central Luzon)	4.70	4.85	4.55	0.15	3.2	(0.30)	(6.1)
Region IV-A (CALABARZON)	3.54	3.59	3.75	0.05	1.4	0.16	4.5
MIMAROPA Region	4.05	4.16	4.13	0.11	2.8	(0.03)	(0.6)
Region V (Bicol Region)	3.92	3.83	3.95	(0.09)	(2.3)	0.12	3.1
Region VI (Western Visayas)	3.64	3.65	3.62	0.01	0.2	(0.03)	(0.8)
Region VII (Central Visayas)	3.00	3.26	2.86	0.27	8.9	(0.41)	(12.5)
Region VIII (Eastern Visayas)	3.48	3.59	3.50	0.11	3.1	(0.09)	(2.4)
Region IX (Zamboanga Peninsula)	4.40	4.12	3.99	(0.28)	(6.3)	(0.13)	(3.1)
Region X (Northern Mindanao)	4.86	4.89	4.94	0.03	0.6	0.05	1.1
Region XI (Davao Region)	4.61	4.59	4.70	(0.01)	(0.3)	0.11	2.3
Region XII (SOCCSKSARGEN)	4.37	4.33	4.44	(0.04)	(1.0)	0.11	2.5
Region XIII (Caraga)	3.29	3.12	2.98	(0.17)	(5.2)	(0.13)	(4.3)
Autonomous Region in Muslim Mindanao (ARMM)	2.91	2.59	2.58	(0.32)	(11.0)	(0.00)	(0.1)

TABLE 1.4 Volume of Production for Irrigated Palay by Region
July-September: 2016-2018
(In metric tons)

(Details may not add up due to rounding)

Region	2016	2017	2018	Change				Percent share
				2017 / 2016		2018 / 2017		
				Level	%	Level	%	
PHILIPPINES	**2,177,156**	**2,436,783**	**2,295,606**	**259,627**	**11.9**	**(141,177)**	**(5.8)**	**100.00**
Cordillera Administrative Region (CAR)	53,686	53,072	51,808	(614)	(1.1)	(1,264)	(2.4)	2.26
Region I (Ilocos Region)	123,984	140,794	129,692	16,810	13.6	(11,102)	(7.9)	5.65
Region II (Cagayan Valley)	254,639	298,780	174,579	44,141	17.3	(124,201)	(41.6)	7.60
Region III (Central Luzon)	199,864	279,782	268,874	79,918	40.0	(10,908)	(3.9)	11.71
Region IV-A (CALABARZON)	40,451	42,755	29,470	2,304	5.7	(13,285)	(31.1)	1.28
MIMAROPA Region	80,914	105,385	96,609	24,471	30.2	(8,776)	(8.3)	4.21
Region V (Bicol Region)	181,324	174,266	174,757	(7,058)	(3.9)	491	0.3	7.61
Region VI (Western Visayas)	305,912	387,309	389,006	81,397	26.6	1,697	0.4	16.95
Region VII (Central Visayas)	12,601	15,190	14,447	2,589	20.5	(743)	(4.9)	0.63
Region VIII (Eastern Visayas)	59,082	62,044	61,667	2,962	5.0	(377)	(0.6)	2.69
Region IX (Zamboanga Peninsula)	141,567	140,612	128,655	(955)	(0.7)	(11,957)	(8.5)	5.60
Region X (Northern Mindanao)	192,598	171,269	174,479	(21,329)	(11.1)	3,210	1.9	7.60
Region XI (Davao Region)	109,867	121,072	138,062	11,205	10.2	16,990	14.0	6.01
Region XII (SOCCSKSARGEN)	358,306	383,806	380,671	25,500	7.1	(3,135)	(0.8)	16.58
Region XIII (Caraga)	24,772	27,317	28,990	2,545	10.3	1,673	6.1	1.26
Autonomous Region in Muslim Mindanao (ARMM)	37,589	33,330	53,840	(4,259)	(11.3)	20,510	61.5	2.35

TABLE 1.5 Volume of Production for Rainfed Palay by Region
           July-September: 2016-2018
           (In metric tons)

(Details may not add up due to rounding)

Region	2016	2017	2018	Change				Percent share
				2017 / 2016		2018 / 2017		
				Level	%	Level	%	
PHILIPPINES	791,614	952,726	900,590	161,112	20.4	(52,136)	(5.5)	100.00
Cordillera Administrative Region (CAR)	5,891	5,886	2,385	(5)	(0.1)	(3,501)	(59.5)	0.26
Region I (Ilocos Region)	28,149	29,031	22,773	882	-	(6,258)	-	2.53
Region II (Cagayan Valley)	2,041	3,645	1,757	1,604	78.6	(1,888)	(51.8)	0.20
Region III (Central Luzon)	6,748	7,914	5,969	1,166	17.3	(1,945)	(24.6)	0.66
Region IV-A (CALABARZON)	11,336	11,797	4,968	461	4.1	(6,829)	(57.9)	0.55
MIMAROPA Region	20,060	37,242	28,724	17,182	85.7	(8,518)	(22.9)	3.19
Region V (Bicol Region)	29,228	30,128	28,057	900	3.1	(2,071)	(6.9)	3.12
Region VI (Western Visayas)	303,203	401,854	392,993	98,651	32.5	(8,861)	(2.2)	43.64
Region VII (Central Visayas)	1,275	1,715	1,847	440	34.5	132	7.7	0.21
Region VIII (Eastern Visayas)	61,598	64,886	56,125	3,288	5.3	(8,761)	(13.5)	6.23
Region IX (Zamboanga Peninsula)	39,665	69,001	67,101	29,336	74.0	(1,900)	(2.8)	7.45
Region X (Northern Mindanao)	22,603	29,429	29,835	6,826	30.2	406	1.4	3.31
Region XI (Davao Region)	8,040	11,723	12,364	3,683	45.8	641	5.5	1.37
Region XII (SOCCSKSARGEN)	66,783	78,999	75,426	12,216	18.3	(3,573)	(4.5)	8.38
Region XIII (Caraga)	2,802	10,422	5,819	7,620	271.9	(4,603)	(44.2)	0.65
Autonomous Region in Muslim Mindanao (ARMM)	182,192	159,054	164,448	(23,138)	(12.7)	5,394	3.4	18.26

TABLE 1.6 Volume of Production for Corn by Region
July-September: 2016-2018
(In metric tons)

(Details may not add up due to rounding)

Region	2016	2017	2018	Change 2017 / 2016		Change 2018 / 2017		Percent share
				Level	%	Level	%	
PHILIPPINES	2,662,444	2,589,455	2,205,420	(72,989)	(2.7)	(384,035)	(14.8)	100.00
Cordillera Administrative Region (CAR)	86,486	97,849	47,530	11,363	13.1	(50,319)	(51.4)	2.16
Region I (Ilocos Region)	11,003	10,858	8,737	(145)	(1.3)	(2,121)	(19.5)	0.40
Region II (Cagayan Valley)	582,617	702,905	309,421	120,288	20.6	(393,485)	(56.0)	14.03
Region III (Central Luzon)	21,470	22,270	20,122	800	3.7	(2,148)	(9.6)	0.91
Region IV-A (CALABARZON)	35,452	30,443	22,356	(5,009)	(14.1)	(8,087)	(26.6)	1.01
MIMAROPA Region	25,101	23,620	20,702	(1,481)	(5.9)	(2,918)	(12.4)	0.94
Region V (Bicol Region)	79,255	85,880	75,824	6,625	8.4	(10,056)	(11.7)	3.44
Region VI (Western Visayas)	118,699	125,026	141,564	6,327	5.3	16,538	13.2	6.42
Region VII (Central Visayas)	93,207	79,846	68,125	(13,361)	(14.3)	(11,721)	(14.7)	3.09
Region VIII (Eastern Visayas)	20,150	18,671	19,866	(1,479)	(7.3)	1,195	6.4	0.90
Region IX (Zamboanga Peninsula)	124,675	107,574	124,321	(17,101)	(13.7)	16,747	15.6	5.64
Region X (Northern Mindanao)	498,991	438,441	448,379	(60,550)	(12.1)	9,938	2.3	20.33
Region XI (Davao Region)	80,018	93,942	96,995	13,924	17.4	3,053	3.2	4.40
Region XII (SOCCSKSARGEN)	521,787	461,051	460,918	(60,736)	(11.6)	(133)	(0.0)	20.90
Region XIII (Caraga)	35,803	49,636	29,241	13,833	38.6	(20,395)	(41.1)	1.33
Autonomous Region in Muslim Mindanao (ARMM)	327,730	241,443	311,319	(86,287)	(26.3)	69,876	28.9	14.12

TABLE 1.7 Harvest Area for Corn by Region July-September: 2016-2018
(In hectares)

(Details may not add up due to rounding)

Region	2016	2017	2018	Change				Percent share
				2017 / 2016		2018 / 2017		
				Level	%	Level	%	
PHILIPPINES	967,217	884,212	784,933	(83,005)	(8.6)	(99,278)	(11.2)	100.00
Cordillera Administrative Region (CAR)	26,052	26,142	14,347	90	0.3	(11,795)	(45.1)	1.83
Region I (Ilocos Region)	2,697	2,564	2,070	(133)	(4.9)	(494)	(19.3)	0.26
Region II (Cagayan Valley)	150,612	158,861	74,781	8,249	5.5	(84,079)	(52.9)	9.53
Region III (Central Luzon)	5,161	4,926	4,800	(235)	(4.6)	(126)	(2.6)	0.61
Region IV-A (CALABARZON)	12,426	11,109	8,852	(1,317)	(10.6)	(2,257)	(20.3)	1.13
MIMAROPA Region	7,350	6,898	6,005	(452)	(6.1)	(893)	(12.9)	0.77
Region V (Bicol Region)	34,092	36,666	34,917	2,574	7.6	(1,749)	(4.8)	4.45
Region VI (Western Visayas)	43,509	44,497	47,580	988	2.3	3,083	6.9	6.06
Region VII (Central Visayas)	93,335	86,439	77,533	(6,896)	(7.4)	(8,906)	(10.3)	9.88
Region VIII (Eastern Visayas)	14,253	13,791	13,894	(462)	(3.2)	103	0.7	1.77
Region IX (Zamboanga Peninsula)	67,804	62,951	66,047	(4,853)	(7.2)	3,096	4.9	8.41
Region X (Northern Mindanao)	140,689	130,069	130,007	(10,620)	(7.5)	(62)	(0.0)	16.56
Region XI (Davao Region)	52,757	54,122	55,869	1,365	2.6	1,747	3.2	7.12
Region XII (SOCCSKSARGEN)	159,228	139,288	138,298	(19,940)	(12.5)	(990)	(0.7)	17.62
Region XIII (Caraga)	11,283	14,566	8,361	3,283	29.1	(6,205)	(42.6)	1.07
Autonomous Region in Muslim Mindanao (ARMM)	145,969	91,323	101,572	(54,646)	(37.4)	10,249	11.2	12.94

TABLE 1.8 Yield for Corn by Region July-September: 2016-2018
(In metric tons per hectare)

(Details may not add up due to rounding)

Region	2016	2017	2018	Change			
				2017 / 2016		2018 / 2017	
				Level	%	Level	%
PHILIPPINES	**2.75**	**2.93**	**2.81**	**0.18**	**6.4**	**(0.12)**	**(4.1)**
Cordillera Administrative Region (CAR)	3.32	3.74	3.31	0.42	12.7	(0.43)	(11.5)
Region I (Ilocos Region)	4.08	4.23	4.22	0.16	3.8	(0.01)	(0.3)
Region II (Cagayan Valley)	3.87	4.42	4.14	0.56	14.4	(0.29)	(6.5)
Region III (Central Luzon)	4.16	4.52	4.19	0.36	8.7	(0.33)	(7.3)
Region IV-A (CALABARZON)	2.85	2.74	2.53	(0.11)	(3.9)	(0.21)	(7.8)
MIMAROPA Region	3.42	3.42	3.45	0.01	0.3	0.02	0.7
Region V (Bicol Region)	2.32	2.34	2.17	0.02	0.8	(0.17)	(7.3)
Region VI (Western Visayas)	2.73	2.81	2.98	0.08	3.0	0.17	5.9
Region VII (Central Visayas)	1.00	0.92	0.88	(0.07)	(7.5)	(0.05)	(4.9)
Region VIII (Eastern Visayas)	1.41	1.35	1.43	(0.06)	(4.2)	0.08	5.6
Region IX (Zamboanga Peninsula)	1.84	1.71	1.88	(0.13)	(7.1)	0.17	10.2
Region X (Northern Mindanao)	3.55	3.37	3.45	(0.18)	(5.0)	0.08	2.3
Region XI (Davao Region)	1.52	1.74	1.74	0.22	14.4	0.00	0.0
Region XII (SOCCSKSARGEN)	3.28	3.31	3.33	0.03	1.0	0.02	0.7
Region XIII (Caraga)	3.17	3.41	3.50	0.23	7.4	0.09	2.6
Autonomous Region in Muslim Mindanao (ARMM)	2.25	2.64	3.07	0.40	17.8	0.42	15.9

TABLE 1.9 Volume of Production for Yellow Corn by Region
July-September: 2016-2018
(In metric tons)

(Details may not add up due to rounding)

Region	2016	2017	2018	Change				Percent share
				2017 / 2016		2018 / 2017		
				Level	%	Level	%	
PHILIPPINES	**1,772,101**	**1,759,304**	**1,350,309**	**(12,797)**	**(0.7)**	**(408,995)**	**(23.2)**	**100.00**
Cordillera Administrative Region (CAR)	72,362	83,647	33,662	11,285	15.6	(49,985)	(59.8)	2.49
Region I (Ilocos Region)	6,169	5,983	4,782	(186)	(3.0)	(1,201)	(20.1)	0.35
Region II (Cagayan Valley)	568,699	696,483	301,006	127,784	22.5	(395,477)	(56.8)	22.29
Region III (Central Luzon)	13,921	10,518	8,977	(3,403)	(24.4)	(1,541)	(14.7)	0.66
Region IV-A (CALABARZON)	21,378	19,522	13,735	(1,856)	(8.7)	(5,787)	(29.6)	1.02
MIMAROPA Region	18,471	16,756	15,681	(1,715)	(9.3)	(1,075)	(6.4)	1.16
Region V (Bicol Region)	58,832	64,479	54,165	5,647	9.6	(10,314)	(16.0)	4.01
Region VI (Western Visayas)	79,375	84,202	98,210	4,827	6.1	14,008	16.6	7.27
Region VII (Central Visayas)	458	623	977	165	36.0	354	56.8	0.07
Region VIII (Eastern Visayas)	2,959	1,998	1,919	(961)	(32.5)	(79)	(3.9)	0.14
Region IX (Zamboanga Peninsula)	17,142	18,590	18,814	1,448	8.4	224	1.2	1.39
Region X (Northern Mindanao)	282,882	228,971	240,207	(53,911)	(19.1)	11,236	4.9	17.79
Region XI (Davao Region)	16,626	20,653	28,805	4,027	24.2	8,152	39.5	2.13
Region XII (SOCCSKSARGEN)	422,388	373,455	377,665	(48,933)	(11.6)	4,210	1.1	27.97
Region XIII (Caraga)	22,419	31,135	18,876	8,716	38.9	(12,259)	(39.4)	1.40
Autonomous Region in Muslim Mindanao (ARMM)	168,020	102,289	132,827	(65,731)	(39.1)	30,538	29.9	9.84

**TABLE 1.10 Volume of Production for White Corn by Region
July-September: 2016-2018**
(In metric tons)

(Details may not add up due to rounding)

Region	2016	2017	2018	Change				Percent share
				2017 / 2016		2018 / 2017		
				Level	%	Level	%	
PHILIPPINES	890,344	830,151	855,111	(60,192)	(6.8)	24,960	3.0	100.00
Cordillera Administrative Region (CAR)	14,124	14,202	13,868	78	0.6	(334)	(2.4)	1.62
Region I (Ilocos Region)	4,834	4,875	3,955	41	0.8	(920)	(18.9)	0.46
Region II (Cagayan Valley)	13,919	6,422	8,414	(7,496)	(53.9)	1,992	31.0	0.98
Region III (Central Luzon)	7,549	11,752	11,145	4,203	55.7	(607)	(5.2)	1.30
Region IV-A (CALABARZON)	14,074	10,921	8,622	(3,153)	(22.4)	(2,299)	(21.1)	1.01
MIMAROPA Region	6,630	6,864	5,021	234	3.5	(1,843)	(26.9)	0.59
Region V (Bicol Region)	20,423	21,401	21,659	978	4.8	258	1.2	2.53
Region VI (Western Visayas)	39,324	40,824	43,354	1,500	3.8	2,530	6.2	5.07
Region VII (Central Visayas)	92,749	79,223	67,148	(13,526)	(14.6)	(12,075)	(15.2)	7.85
Region VIII (Eastern Visayas)	17,191	16,673	17,947	(518)	(3.0)	1,274	7.6	2.10
Region IX (Zamboanga Peninsula)	107,533	88,984	105,507	(18,549)	(17.2)	16,523	18.6	12.34
Region X (Northern Mindanao)	216,109	209,470	208,172	(6,639)	(3.1)	(1,298)	(0.6)	24.34
Region XI (Davao Region)	63,392	73,289	68,190	9,897	15.6	(5,099)	(7.0)	7.97
Region XII (SOCCSKSARGEN)	99,399	87,596	83,253	(11,803)	(11.9)	(4,343)	(5.0)	9.74
Region XIII (Caraga)	13,384	18,501	10,365	5,117	38.2	(8,137)	(44.0)	1.21
Autonomous Region in Muslim Mindanao (ARMM)	159,710	139,154	178,492	(20,556)	(12.9)	39,338	28.3	20.87

TABLE 2.1 Monthly Average Prevailing Prices for Palay/Rice by Market Level Philippines, January-September: 2017-2018
(In Peso per kilogram)

Item	2017	2018	Growth Rate
FARMGATE			
Jan.-Sept. Ave.	**18.97**	**21.02**	**10.8**
January	17.96	19.12	6.5
February	18.29	19.75	8.0
March	18.56	20.41	10.0
April	18.83	20.68	9.8
May	19.29	21.02	9.0
June	19.31	21.31	10.4
July	19.44	21.63	11.3
August	19.57	22.39	14.4
September	19.44	22.88	17.7
WHOLESALE			
Jan.-Sept. Ave.	**38.72**	**41.78**	**7.9**
January	38.24	39.51	3.3
February	38.47	40.13	4.3
March	38.46	40.70	5.8
April	38.34	41.01	7.0
May	38.58	41.18	6.7
June	38.79	41.52	7.0
July	39.00	42.23	8.3
August	39.26	43.78	11.5
September	39.31	45.97	16.9
RETAIL			
Jan.-Sept. Ave.	**41.77**	**44.58**	**6.7**
January	41.51	42.43	2.2
February	41.62	42.98	3.3
March	41.51	43.44	4.6
April	41.45	43.76	5.6
May	41.70	43.94	5.4
June	41.80	44.29	6.0
July	41.88	44.96	7.4
August	42.17	46.37	10.0
September	42.28	49.09	16.1

TABLE 2.2 Monthly Average Prevailing Prices for Rice by Market Level
Metro Manila, January-September: 2017-2018
(In Peso per kilogram)

Item	2017	2018	Growth Rate
METRO MANILA			
WHOLESALE			
Jan.-Sept. Ave.	**36.99**	**39.82**	**7.6**
January	35.50	37.90	6.8
February	36.00	38.35	6.5
March	35.90	39.08	8.9
April	36.28	38.85	7.1
May	37.75	39.15	3.7
June	37.65	39.26	4.3
July	37.80	40.15	6.2
August	37.75	41.08	8.8
September	38.27	44.52	16.3
RETAIL			
Jan.-Sept. Ave.	**40.69**	**43.36**	**6.6**
January	40.50	41.50	2.5
February	41.50	42.00	1.2
March	41.00	42.00	2.4
April	40.40	42.00	4.0
May	40.50	42.00	3.7
June	40.00	42.50	6.3
July	40.00	45.00	12.5
August	40.00	45.25	13.1
September	42.28	48.00	13.5

TABLE 2.3 Monthly Average Prevailing Prices for Yellow Corn by Market Level Philippines, January-September: 2017-2018
(In Peso per kilogram)

Item	2017	2018	Growth Rate
FARMGATE - Yellow			
Jan.-Sept. Ave.	**11.36**	**13.94**	**22.7**
January	11.25	12.56	11.6
February	11.45	13.30	16.2
March	11.41	14.15	24.0
April	11.41	14.26	25.0
May	11.53	13.91	20.6
June	11.33	13.94	23.0
July	11.20	14.36	28.2
August	11.21	14.24	27.0
September	11.43	14.74	29.0
WHOLESALE - Yellow			
Jan.-Sept. Ave.	**17.78**	**19.97**	**12.3**
January	16.91	18.83	11.4
February	17.32	19.16	10.6
March	17.83	19.90	11.6
April	17.94	20.11	12.1
May	17.99	20.10	11.7
June	17.97	20.10	11.9
July	17.99	20.08	11.6
August	18.02	20.53	13.9
September	18.05	20.93	16.0
RETAIL - Yellow			
Jan.-Sept. Ave.	**22.49**	**24.13**	**7.3**
January	22.76	22.81	0.2
February	22.94	23.14	0.9
March	22.60	23.62	4.5
April	22.38	23.68	5.8
May	22.49	23.79	5.8
June	22.50	24.61	9.4
July	22.29	24.92	11.8
August	22.23	25.23	13.5
September	22.24	25.38	14.1

TABLE 2.4 Monthly Average Prevailing Prices for White Corn by Market Level Philippines, January-September: 2017-2018
(In Peso per kilogram)

Item	2017	2018	Growth Rate
FARMGATE - White			
Jan.-Sept. Ave.	**13.17**	**16.27**	**23.5**
January	11.18	16.22	45.1
February	12.44	17.17	38.0
March	13.14	17.37	32.2
April	12.98	17.43	34.3
May	13.43	17.03	26.8
June	13.69	16.16	18.0
July	13.53	15.61	15.4
August	13.75	14.89	8.3
September	14.41	14.52	0.8
WHOLESALE - White			
Jan.-Sept. Ave.	**16.50**	**20.62**	**25.0**
January	14.94	19.70	31.9
February	16.43	20.59	25.3
March	15.28	20.43	33.7
April	15.47	20.34	31.5
May	17.15	19.87	15.9
June	16.53	21.41	29.5
July	16.70	20.74	24.2
August	17.46	21.75	24.6
September	18.53	20.76	12.0
RETAIL - White			
Jan.-Sept. Ave.	**28.77**	**29.11**	**1.2**
January	25.78	29.70	15.2
February	26.34	29.99	13.9
March	27.67	29.96	8.3
April	30.74	29.99	(2.4)
May	30.24	29.82	(1.4)
June	31.08	29.05	(6.5)
July	28.48	27.52	(3.4)
August	28.91	28.12	(2.7)
September	29.65	27.80	(6.2)

TABLE 2.5 Monthly Average Dealers' Prices for Fertilizer by Grade Philippines, January-September: 2017-2018
(In Peso/bag of 50 kilogram)

Item	2017	2018	Growth Rate
UREA			
Jan.-Sept. Ave.	**907.32**	**1,008.08**	**11.1**
January	911.52	967.29	6.1
February	916.66	983.90	7.3
March	913.02	992.96	8.8
April	911.41	994.64	9.1
May	914.03	1,004.84	9.9
June	907.81	1,009.78	11.2
July	900.70	1,022.66	13.5
August	893.65	1,041.29	16.5
September	897.11	1,055.36	17.6
AMMOSUL			
Jan.-Sept. Ave.	**557.57**	**592.41**	**6.2**
January	560.94	576.56	2.8
February	556.78	581.82	4.5
March	552.83	585.91	6.0
April	554.46	589.56	6.3
May	556.60	589.66	5.9
June	558.38	592.88	6.2
July	559.02	600.03	7.3
August	558.83	605.73	8.4
September	560.28	609.58	8.8
AMMOPHOS			
Jan.-Sept. Ave.	**910.16**	**924.64**	**1.6**
January	924.78	900.90	(2.6)
February	920.26	904.18	(1.7)
March	913.29	916.95	0.4
April	909.30	916.15	0.8
May	913.37	920.95	0.8
June	908.82	930.21	2.4
July	904.19	938.62	3.8
August	898.84	943.62	5.0
September	898.59	950.21	5.7
COMPLETE			
Jan.-Sept. Ave.	**1,098.77**	**1,105.81**	**0.6**
January	1,112.16	1,094.10	(1.6)
February	1,105.87	1,100.83	(0.5)
March	1,102.74	1,101.91	(0.1)
April	1,101.02	1,104.09	0.3
May	1,100.55	1,105.20	0.4
June	1,101.19	1,108.68	0.7
July	1,091.09	1,110.25	1.8
August	1,087.29	1,111.42	2.2
September	1,086.99	1,115.84	2.7

**TABLE 3.1 Cumulative Actual Decadal and Normal Rainfall by Region
July-September: 2017-2018**
(In millimeters)

Region	JULY-SEPTEMBER				
	Actual		NORMAL	% DEVIATION	
	2017	2018		2018/2017	2018/Normal
Philippines	**13,837.9**	**16,463.8**	**13,628.4**	**19.0**	**20.8**
National Capital Region (NCR)	1,315.6	1,770.7	1,239.4	34.6	42.9
Cordillera Administrative Region (CAR)	1,243.1	2,413.3	1,214.6	94.1	98.7
Region I (Ilocos Region)	917.3	1,792.0	1,576.1	95.4	13.7
Region II (Cagayan Valley)	676.1	1,190.8	742.7	76.1	60.3
Region III (Central Luzon)	1,228.0	1,801.5	1,268.4	46.7	42.0
Region IV-A (CALABARZON)	1,106.2	895.2	807.3	(19.1)	10.9
MIMAROPA Region	922.3	1,062.3	893.9	15.2	18.8
Region V (Bicol Region)	837.2	596.7	673.5	(28.7)	(11.4)
Region VI (Western Visayas)	789.7	642.9	900.8	(18.6)	(28.6)
Region VII (Central Visayas)	690.3	405.4	566.1	(41.3)	(28.4)
Region VIII (Eastern Visayas)	768.6	505.8	581.6	(34.2)	(13.0)
Region IX (Zamboanga Peninsula)	489.0	514.4	574.0	5.2	(10.4)
Region X (Northern Mindanao)	741.4	650.2	620.8	(12.3)	4.7
Region XI (Davao Region)	574.4	560.7	485.2	(2.4)	15.6
Region XII (SOCCSKSARGEN)	440.8	516.5	428.2	17.2	20.6
Region XIII (Caraga)	606.7	567.9	544.3	(6.4)	4.3
Autonomous Region in Muslim Mindanao (ARMM)	491.2	577.5	511.6	17.6	12.9

Source: PAGASA

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PALAY AND CORN QUARTERLY BULLETIN

PHILIPPINE STATISTICS AUTHORITY

DIVINA GRACIA L. DEL PRADO
Director III
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