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FOREWORD

The *Major Fruit Crops Quarterly Bulletin* provides updates on production of banana, calamansi, mango, and pineapple. These crops are highlighted in the report on the Performance of Agriculture that the Philippine Statistics Authority (PSA) releases quarterly.

This third quarter 2018 issue of the Bulletin presents the final estimates of production from April to June 2018 and the preliminary estimates from July to September 2018. It also contains the final estimates on area planted and number of bearing trees/hills for the period January to June 2018. The main source of data is the Crops Production Survey (CrPS) conducted quarterly by PSA.

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Quezon City, Philippines
November 2018

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Note: ^{p} - Preliminary Estimate

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Note: P - Preliminary Estimate

BACKGROUND[1]

Scope and Coverage

The Crops Production Survey (CrPS) is for all crops other than palay and corn. Around 282 crops are covered by this survey. For this bulletin, information on four major fruit crops are reported. These fruit crops are banana, calamansi, mango and pineapple.

Estimates of production, area planted/harvested, and number of bearing trees/hills are generated from the (CrPS) which has four survey rounds in a year, that is, February, May, August, and November.

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

Sampling Methodology

A non-probability survey is employed for the CrPS. A "5 by 5" design was used in the selection of samples, with the province as survey domain. The top five producing municipalities of a certain crop are chosen from each province. From each of these municipalities, five sample farmers are selected as respondents. In this two-stage design, municipality serves as the primary sampling unit while farmer-producer is the secondary sampling unit.

Data Collection

For CrPS, data collection is conducted quarterly during the last 10 days of the middle month of the quarter. It gathers data on production, area planted/harvested and number of bearing trees/hills.

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.

[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

Area planted refers to the actual physical area planted. This generally applies to area reported for permanent crops and multi-harvest temporary crops. On the other hand, area harvested 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. In crops statistics, this applies to temporary crops.

Bearing trees/hills refers to trees/hills where harvesting has been made in the past and may or may not have borne fruits (productive) during the reference period due to cyclical production pattern of the crop. Hills applies to banana.

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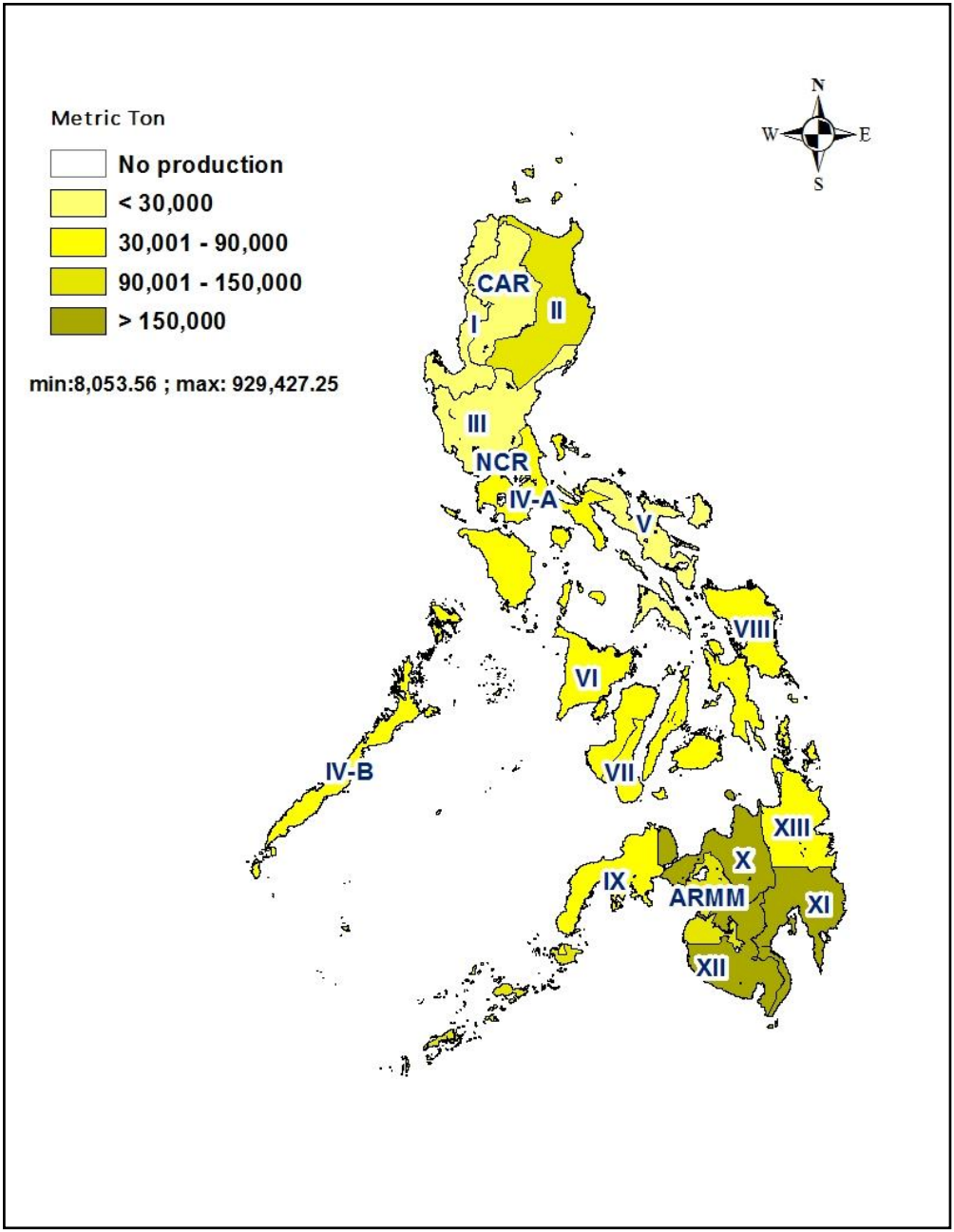

FIGURE 1 Banana Production by Region, July-September: 2018[p]

HIGHLIGHTS

Banana

- For the period July to September 2018, banana production reached 2.43 million metric tons, an increase of 2.0 percent from the 2.38 million metric tons production in the same quarter of 2017.

- Davao Region remained the top contributor to the total banana production, sharing 38.2 percent. This was followed by Northern Mindanao with 21.3 percent and SOCCSKSARGEN with 12.5 percent (Figure 2).

- More than a half or 51.2 percent of the total banana production was Cavendish variety, reaching the level of 1.25 million metric tons. Saba variety and Lakatan variety had 28.4 and 10.6 percent share to the total, respectively (Figure 3).

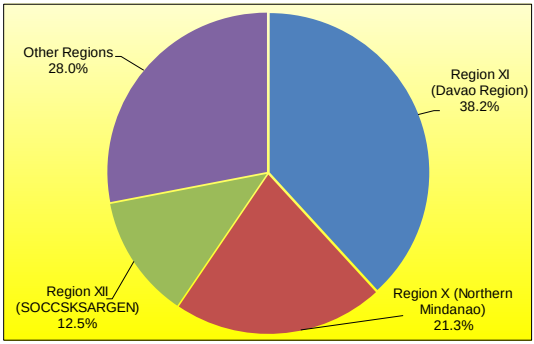

FIGURE 2 Distribution of Banana Production by Region, July-September: 2018[P]

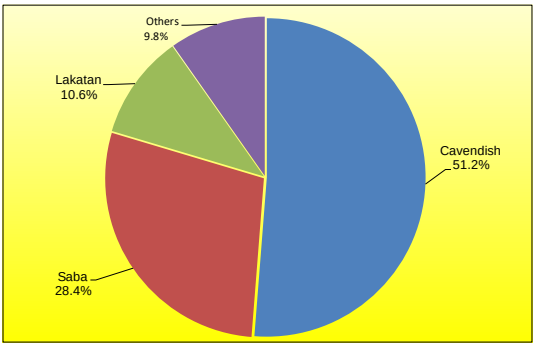

FIGURE 3 Distribution of Banana Production by Variety, Philippines, July-September: 2018[P]

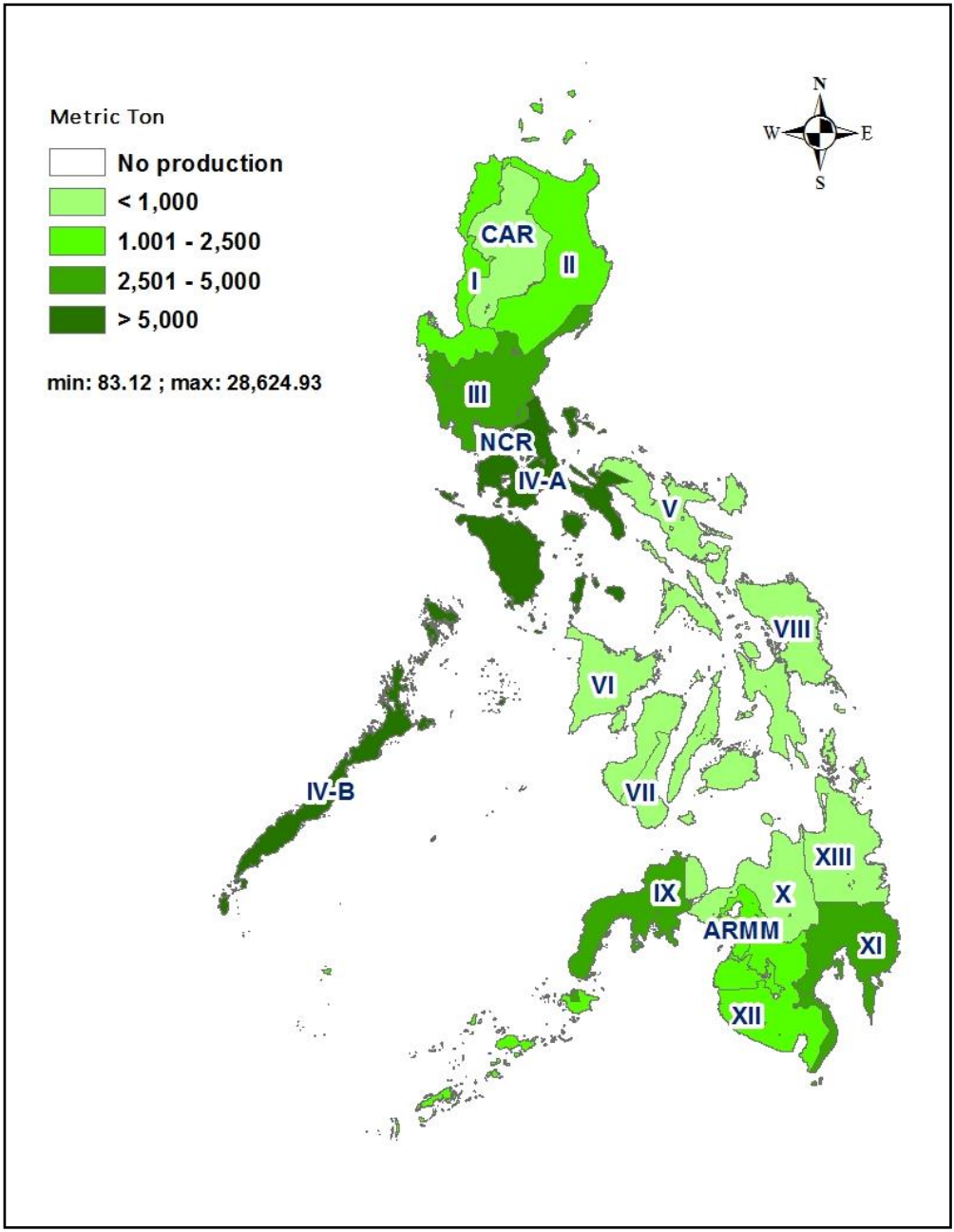

FIGURE 4 Calamansi Production by Region, July-September: 2018[p]

Calamansi

- Calamansi production for the third quarter of 2018 decreased by 2.1 percent, from 54.70 thousand metric tons in the same quarter of 2017 to 53.56 thousand metric tons.

- MIMAROPA Region contributed 53.4 percent to total production, the highest among the regions, followed by CALABARZON with 11.0 percent share and Zamboanga Peninsula with 6.1 percent (Figure 5).

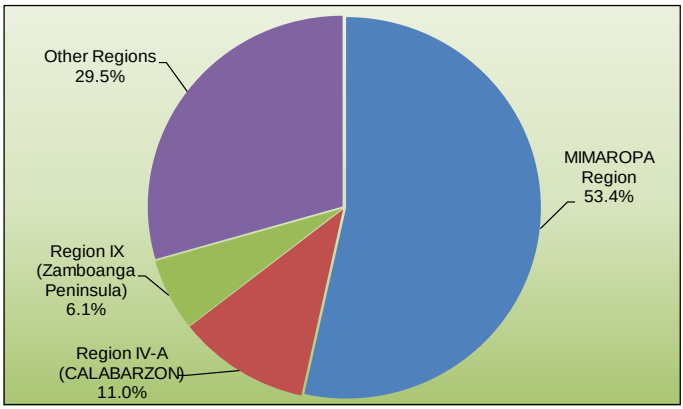

FIGURE 5 Distribution of Calamansi Production by Region, July-September: 2018[P]

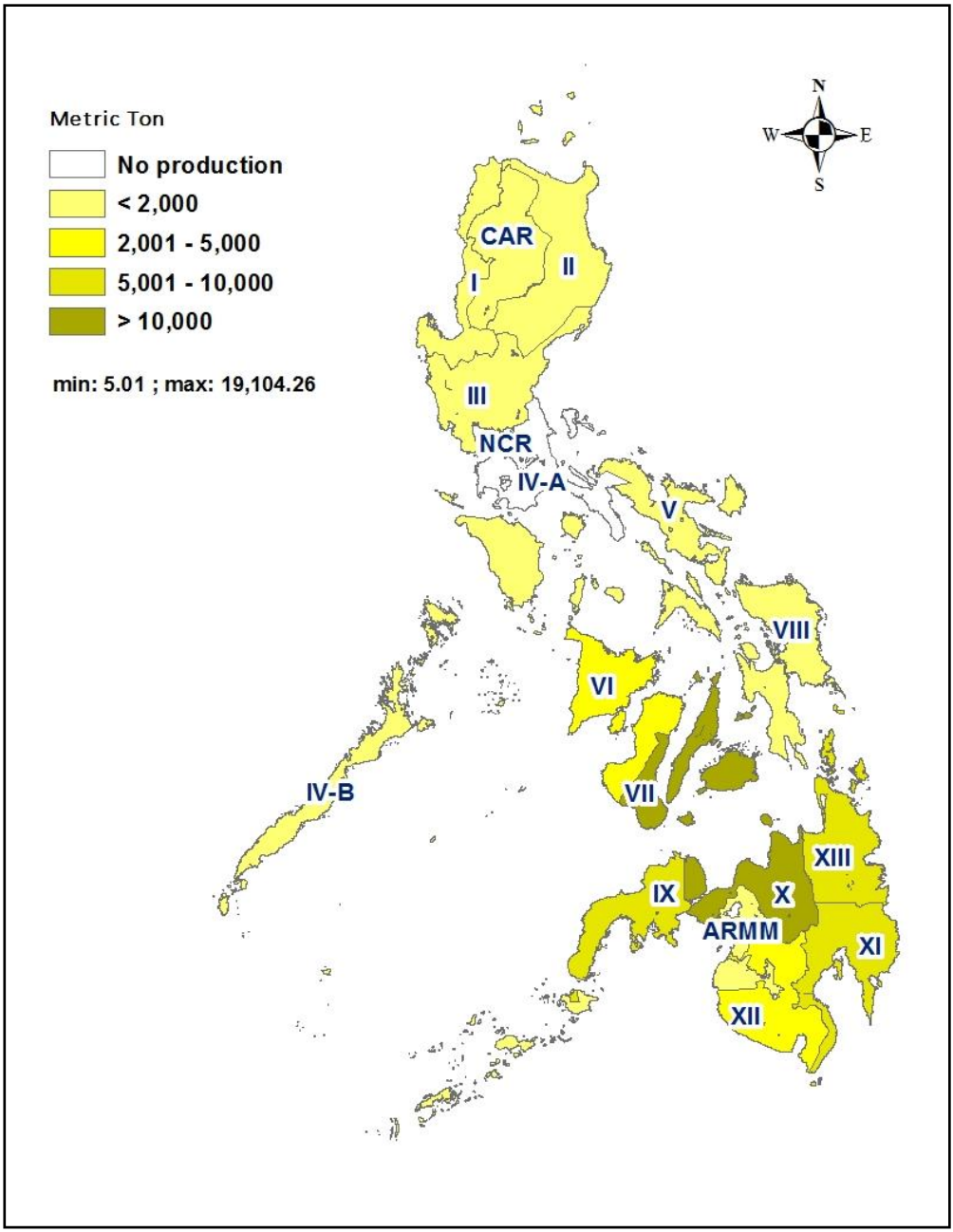

FIGURE 6 Mango Production by Region, July-September: 2018[p]

Mango

- For the third quarter of 2018, mango production was 4.3 percent higher compared to the production in the same period of previous year, from 55.44 thousand metric tons to 57.85 thousand metric tons.

- Central Visayas, with 19.10 thousand metric tons share, was the highest producer of mango during the period, sharing 33.0 percent to national production. Northern Mindanao ranked next with 20.1 percent share and third was Caraga with 12.0 percent share (Figure 7).

- Carabao variety reached 46.46 thousand metric tons during the period, contributing 80.3 percent to total mango production (Figure 8).

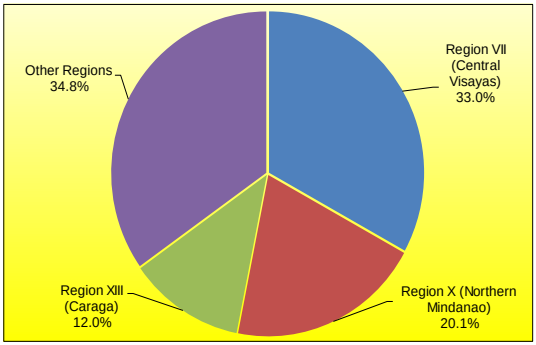

FIGURE 7 Distribution of Mango Production by Region, July-September: 2018[p]

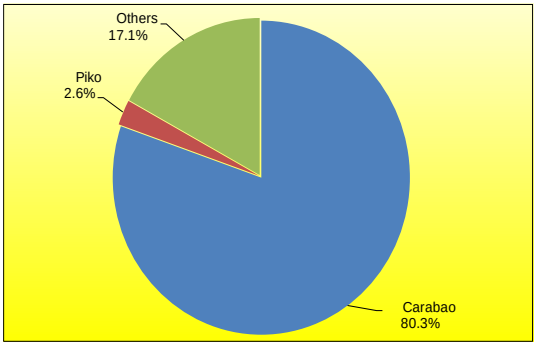

FIGURE 8 Distribution of Mango Production by Variety, Philippines, July-September: 2018[p]

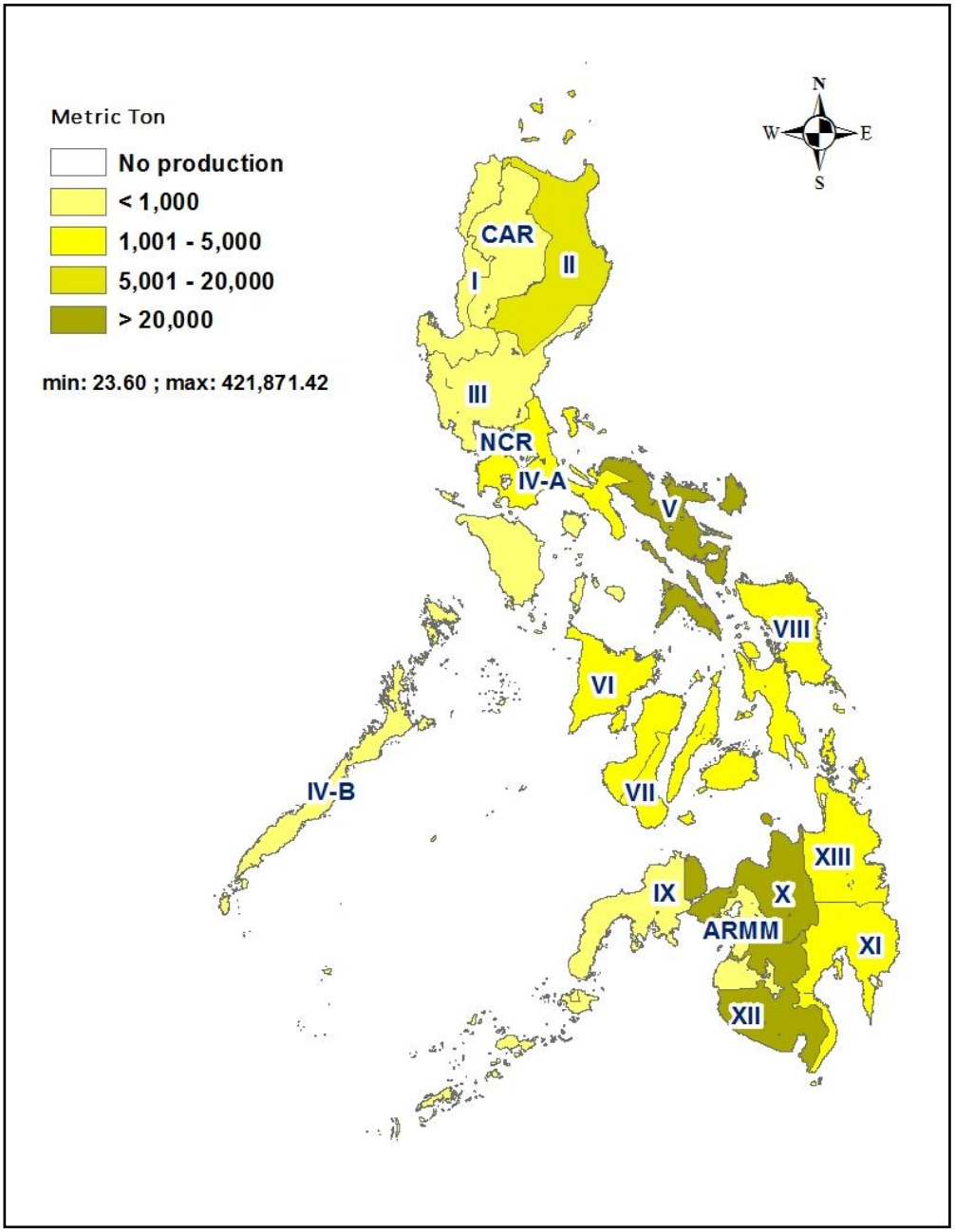

FIGURE 9 Pineapple Production by Region, July-September: 2018[p]

Pineapple

- An increment of 3.2 percent in pineapple production was recorded during the period July to September 2018, reaching 705.43 thousand metric tons. It was 21.67 thousand metric ton higher compared with the 2017 level of 683.76 thousand metric tons.

- Northern Mindanao recorded the highest production of 421.87 thousand metric tons, contributing 59.8 percent to the total pineapple production. This was followed by SOCCSKSARGEN with 28.3 percent share and Bicol Region with 7.4 percent (Figure 10).

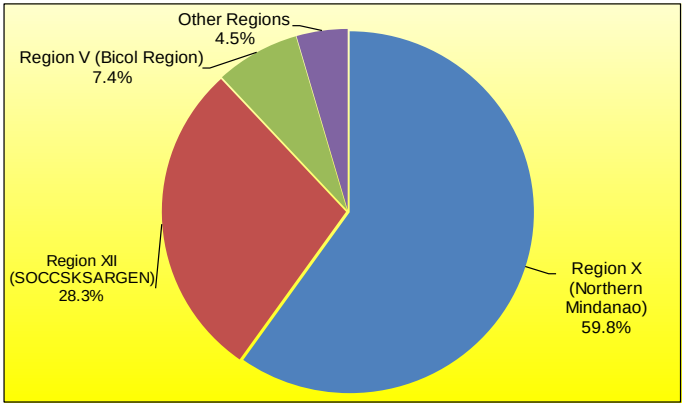

FIGURE 10 Distribution of Pineapple Production by Region, July-September: 2018[p]

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STATISTICAL TABLES

TABLE 1 Volume of Production for Selected Fruit Crops, Philippines April-June: 2017-2018 and July-September: 2017-2018[p]

(In metric tons)

(Details may not add up to total due to rounding)

CROP	Production				Percent Change	
	April-June		July-September			
	2017	2018	2017	2018[p]	Apr-Jun	Jul-Sep
Banana	2,272,836	2,358,794	2,383,721	2,432,397	3.8	2.0
Cavendish	1,193,952	1,220,111	1,232,499	1,246,602	2.2	1.1
Lakatan	227,193	232,196	249,844	258,125	2.2	3.3
Saba	642,896	685,020	667,724	689,776	6.6	3.3
Other banana	208,794	221,466	233,654	237,894	6.1	1.8
Calamansi	18,951	18,387	54,695	53,563	(3.0)	(2.1)
Mango	546,277	528,492	55,440	57,851	(3.3)	4.3
Carabao	443,436	423,355	44,782	46,458	(4.5)	3.7
Other mango	102,840	105,137	10,659	11,393	2.2	6.9
Pineapple	675,200	697,451	683,763	705,429	3.3	3.2

[p]-Preliminary

TABLE 2 Volume of Production for Banana by Region
April-June: 2017-2018 and July-September: 2017-2018[p]
(In metric tons)

(Details may not add up to total due to rounding)

Region	Production				Percent Change	
	April-June		July-September			
	2017	2018	2017	2018[p]	Apr-Jun	Jul-Sep
PHILIPPINES	**2,272,836**	**2,358,794**	**2,383,721**	**2,432,397**	**3.8**	**2.0**
Cordillera Administrative Region (CAR)	4,952	5,365	8,493	8,054	8.3	(5.2)
Region I (Ilocos Region)	10,513	10,932	9,268	9,623	4.0	3.8
Region II (Cagayan Valley)	149,871	187,902	89,715	97,136	25.4	8.3
Region III (Central Luzon)	14,385	14,957	12,621	13,230	4.0	4.8
Region IV-A (CALABARZON)	45,164	44,222	40,266	40,335	(2.1)	0.2
MIMAROPA Region	16,598	17,525	27,415	32,111	5.6	17.1
Region V (Bicol Region)	14,150	15,626	24,922	27,733	10.4	11.3
Region VI (Western Visayas)	61,377	63,305	50,648	53,060	3.1	4.8
Region VII (Central Visayas)	37,632	37,882	40,100	40,336	0.7	0.6
Region VIII (Eastern Visayas)	56,567	56,692	65,998	67,352	0.2	2.1
Region IX (Zamboanga Peninsula)	64,936	64,506	68,962	69,929	(0.7)	1.4
Region X (Northern Mindanao)	416,049	419,420	512,253	517,399	0.8	1.0
Region XI (Davao Region)	917,230	934,839	918,970	929,427	1.9	1.1
Region XII (SOCCSKSARGEN)	280,008	288,780	291,556	303,735	3.1	4.2
Region XIII (Caraga)	70,124	71,476	86,274	83,692	1.9	(3.0)
Autonomous Region in Muslim Mindanao (ARMM)	113,279	125,364	136,259	139,245	10.7	2.2

[p]-Preliminary

TABLE 3 Volume of Production for Calamansi by Region April-June: 2017-2018 and July-September: 2017-2018[p]

(In metric tons)

(Details may not add up to total due to rounding)

Region	Production				Percent Change	
	April-June		July-September			
	2017	2018	2017	2018[p]	Apr-Jun	Jul-Sep
PHILIPPINES	**18,951**	**18,387**	**54,695**	**53,563**	**(3.0)**	**(2.1)**
Cordillera Administrative Region (CAR)	108	118	89	83	9.4	(6.8)
Region I (Ilocos Region)	889	850	1,047	1,056	(4.4)	0.8
Region II (Cagayan Valley)	1,565	1,587	1,817	1,741	1.4	(4.1)
Region III (Central Luzon)	2,148	2,056	3,098	2,986	(4.3)	(3.6)
Region IV-A (CALABARZON)	402	339	6,060	5,891	(15.7)	(2.8)
MIMAROPA Region	6,882	6,906	29,146	28,625	0.3	(1.8)
Region V (Bicol Region)	184	186	855	779	0.9	(9.0)
Region VI (Western Visayas)	537	553	906	947	3.0	4.5
Region VII (Central Visayas)	308	320	500	498	3.9	(0.5)
Region VIII (Eastern Visayas)	158	161	694	725	1.9	4.4
Region IX (Zamboanga Peninsula)	2,870	2,462	3,606	3,271	(14.2)	(9.3)
Region X (Northern Mindanao)	506	489	852	937	(3.4)	10.0
Region XI (Davao Region)	1,479	1,440	2,713	2,692	(2.6)	(0.8)
Region XII (SOCCSKSARGEN)	485	504	1,271	1,303	3.8	2.5
Region XIII (Caraga)	277	257	938	899	(7.5)	(4.1)
Autonomous Region in Muslim Mindanao (ARMM)	150	158	1,102	1,130	5.1	2.6

[p]-Preliminary

TABLE 4 Volume of Production for Mango by Region April-June: 2017-2018 and July-September: 2017-2018[p]

(In metric tons)

(Details may not add up to total due to rounding)

Region	Production				Percent Change	
	April-June		July-September			
	2017	2018	2017	2018[p]	Apr-Jun	Jul-Sep
PHILIPPINES	**546,277**	**528,492**	**55,440**	**57,851**	**(3.3)**	**4.3**
Cordillera Administrative Region (CAR)	2,345	2,275	6	5	(3.0)	(14.7)
Region I (Ilocos Region)	132,658	112,734	16	15	(15.0)	(4.8)
Region II (Cagayan Valley)	48,443	47,306	176	194	(2.3)	10.5
Region III (Central Luzon)	28,801	26,344	82	79	(8.5)	(4.0)
Region IV-A (CALABARZON)	40,901	40,554	-	-	(0.8)	-
MIMAROPA Region	14,569	14,934	97	97	2.5	(0.1)
Region V (Bicol Region)	499	565	1,151	1,559	13.2	35.5
Region VI (Western Visayas)	39,745	40,695	2,159	2,003	2.4	(7.2)
Region VII (Central Visayas)	43,769	48,762	18,286	19,104	11.4	4.5
Region VIII (Eastern Visayas)	246	254	108	106	3.1	(1.9)
Region IX (Zamboanga Peninsula)	67,612	59,013	6,466	6,730	(12.7)	4.1
Region X (Northern Mindanao)	32,725	33,591	11,371	11,633	2.6	2.3
Region XI (Davao Region)	42,030	42,621	5,134	5,283	1.4	2.9
Region XII (SOCCSKSARGEN)	37,727	42,550	2,581	2,884	12.8	11.7
Region XIII (Caraga)	4,050	4,040	6,699	6,970	(0.2)	4.0
Autonomous Region in Muslim Mindanao (ARMM)	10,155	12,255	1,110	1,190	20.7	7.2

[p]-Preliminary
- no production during the reference quarter

TABLE 5 Volume of Production for Pineapple by Region April-June: 2017-2018 and July-September: 2017-2018[p]

(In metric tons)

(Details may not add up to total due to rounding)

Region	Production				Percent Change	
	April-June		July-September			
	2017	2018	2017	2018[p]	Apr-Jun	Jul-Sep
PHILIPPINES	**675,200**	**697,451**	**683,763**	**705,429**	**3.3**	**3.2**
Cordillera Administrative Region (CAR)	398	403	271	264	1.2	(2.6)
Region I (Ilocos Region)	134	134	26	24	(0.1)	(10.4)
Region II (Cagayan Valley)	19,421	22,770	14,885	15,297	17.2	2.8
Region III (Central Luzon)	1,211	1,203	416	360	(0.7)	(13.3)
Region IV-A (CALABARZON)	67,696	67,489	3,739	3,487	(0.3)	(6.7)
MIMAROPA Region	348	356	63	64	2.2	1.2
Region V (Bicol Region)	37,975	44,153	38,734	52,190	16.3	34.7
Region VI (Western Visayas)	6,530	6,927	3,528	3,774	6.1	7.0
Region VII (Central Visayas)	2,542	2,925	1,021	1,227	15.1	20.2
Region VIII (Eastern Visayas)	4,860	4,846	1,283	1,276	(0.3)	(0.5)
Region IX (Zamboanga Peninsula)	297	272	337	228	(8.6)	(32.5)
Region X (Northern Mindanao)	348,713	353,051	417,152	421,871	1.2	1.1
Region XI (Davao Region)	11,256	11,676	4,072	4,158	3.7	2.1
Region XII (SOCCSKSARGEN)	172,039	179,600	196,492	199,765	4.4	1.7
Region XIII (Caraga)	1,495	1,348	1,522	1,217	(9.8)	(20.0)
Autonomous Region in Muslim Mindanao (ARMM)	284	300	222	228	5.6	2.5

[p]-*Preliminary*

TABLE 6 Area Planted and Number of Bearing Trees/Hills for Selected Crops, Philippines, January-June: 2017-2018

(Details may not add up to total due to rounding)

Selected Crops	January-June		Percent
	2017	2018	Change
Area Planted (Ha)			
Banana	443,676	445,247	0.4
Cavendish	87,045	88,009	1.1
Lakatan	54,636	54,738	0.2
Saba	183,899	184,532	0.3
Other banana	118,096	117,968	(0.1)
Calamansi	19,745	19,717	(0.1)
Mango	185,572	185,194	(0.2)
Carabao	145,076	144,805	(0.2)
Other mango	40,496	40,389	(0.3)
Pineapple	63,418	63,943	0.8
Number of Bearing Trees/Hills			
Banana	281,306,373	284,978,692	1.3
Cavendish	120,768,677	122,992,664	1.8
Lakatan	31,627,090	31,754,986	0.4
Saba	79,086,479	80,205,365	1.4
Other banana	49,824,127	50,025,677	0.4
Calamansi	8,349,041	8,296,811	(0.6)
Mango	9,453,198	9,460,132	0.1
Carabao	7,112,351	7,111,430	(0.0)
Other mango	2,340,847	2,348,702	0.3
Pineapple	NA	NA	NA

NA- Not Applicable

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MAJOR FRUIT CROPS QUARTERLY BULLETIN

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