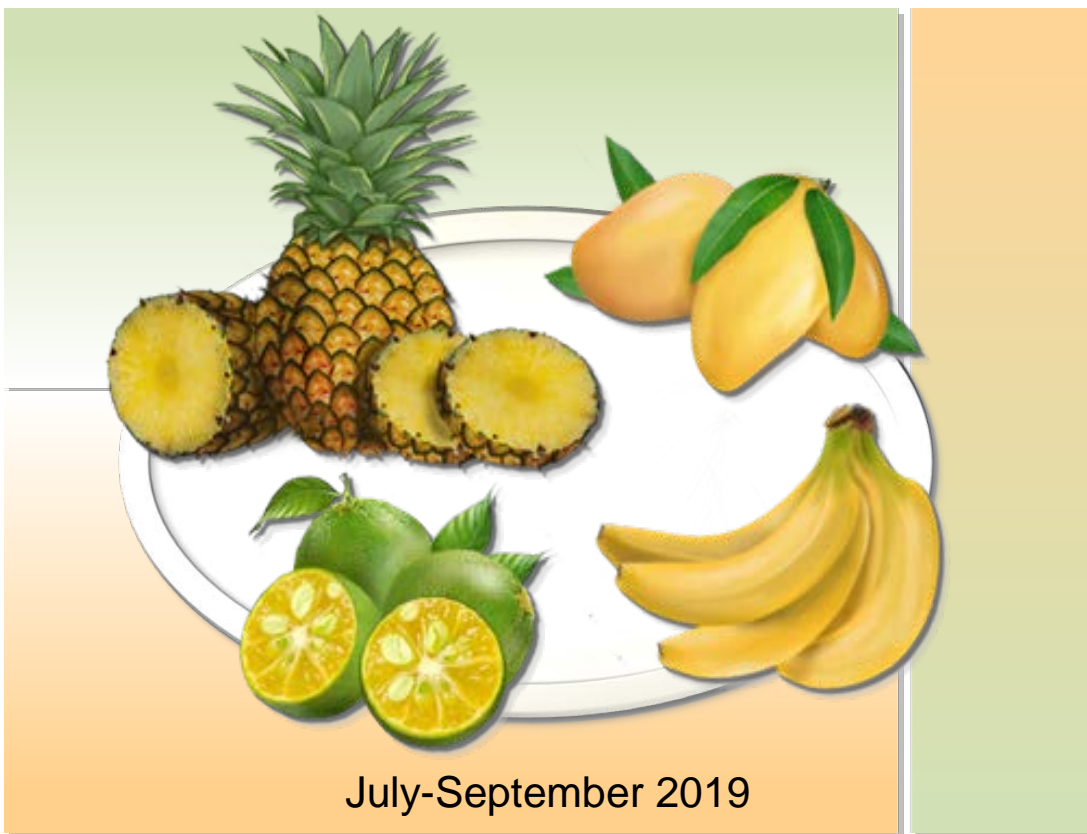


# Major Fruit Crops Quarterly Bulletin

Volume 13 No. 3

Quezon City, Philippines



July-September 2019



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PHILIPPINE STATISTICS AUTHORITY



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**PHILIPPINE STATISTICS AUTHORITY**

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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 PSA releases quarterly.

This third quarter 2019 issue of the Bulletin presents the final estimates of production from April to June 2019 and the preliminary estimates from July to September 2019. It also contains the January to June 2019 final estimates on area planted and number of bearing trees/hills. The main source of data is the Crops Production Survey (CrPS) conducted quarterly by PSA.



**CLAIRE DENNIS S. MAPA, Ph.D.**  
Undersecretary  
National Statistician and Civil Registrar General

Quezon City, Philippines  
November 2019

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<sup>P</sup> - Preliminary Estimate

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<sup>P</sup> - Preliminary Estimate

# BACKGROUND<sup>1</sup>

## 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 that is on February, May, August, and November. 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.

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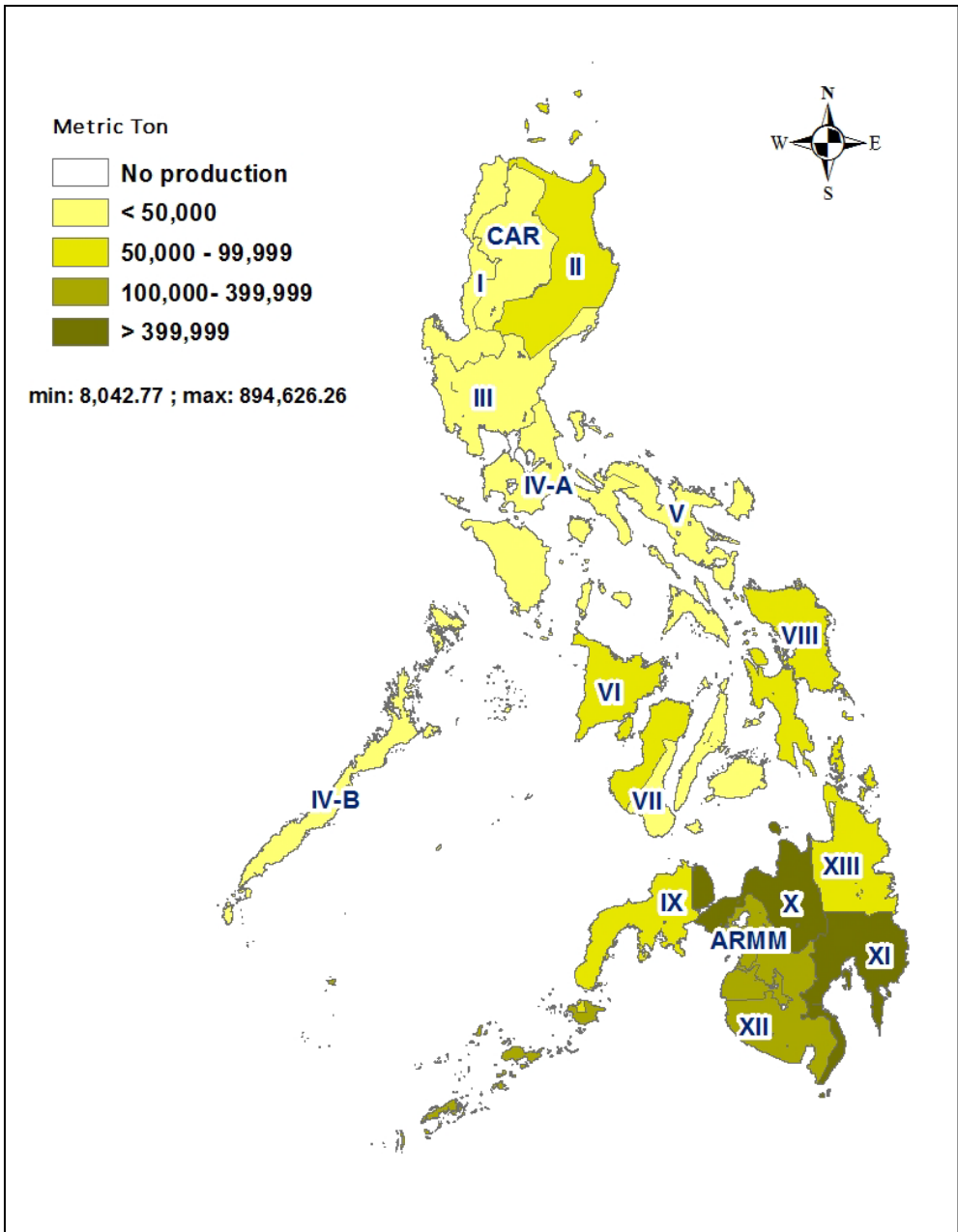
<sup>1</sup> **Source:** *Excerpts from Crops Statistics of the Philippines 2012-2016; ISSN-2012-0487*  
<https://psa.gov.ph/content/crops-statistics-philippines-national-and-regional>

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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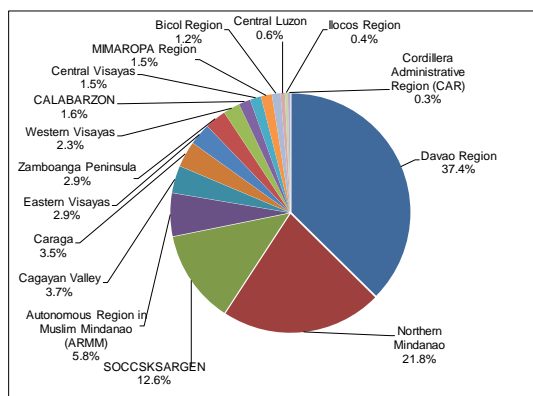


**FIGURE 1 Banana Production by Region, July-September: 2019<sup>P</sup>**

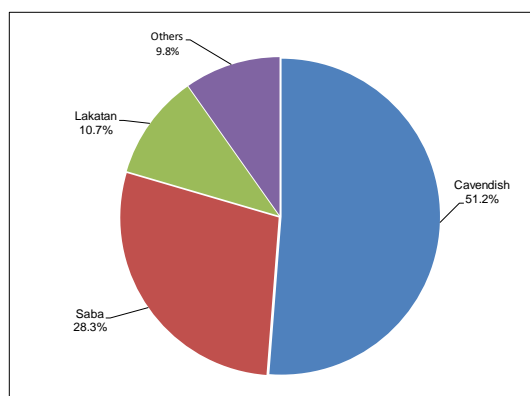
# HIGHLIGHTS

## Banana

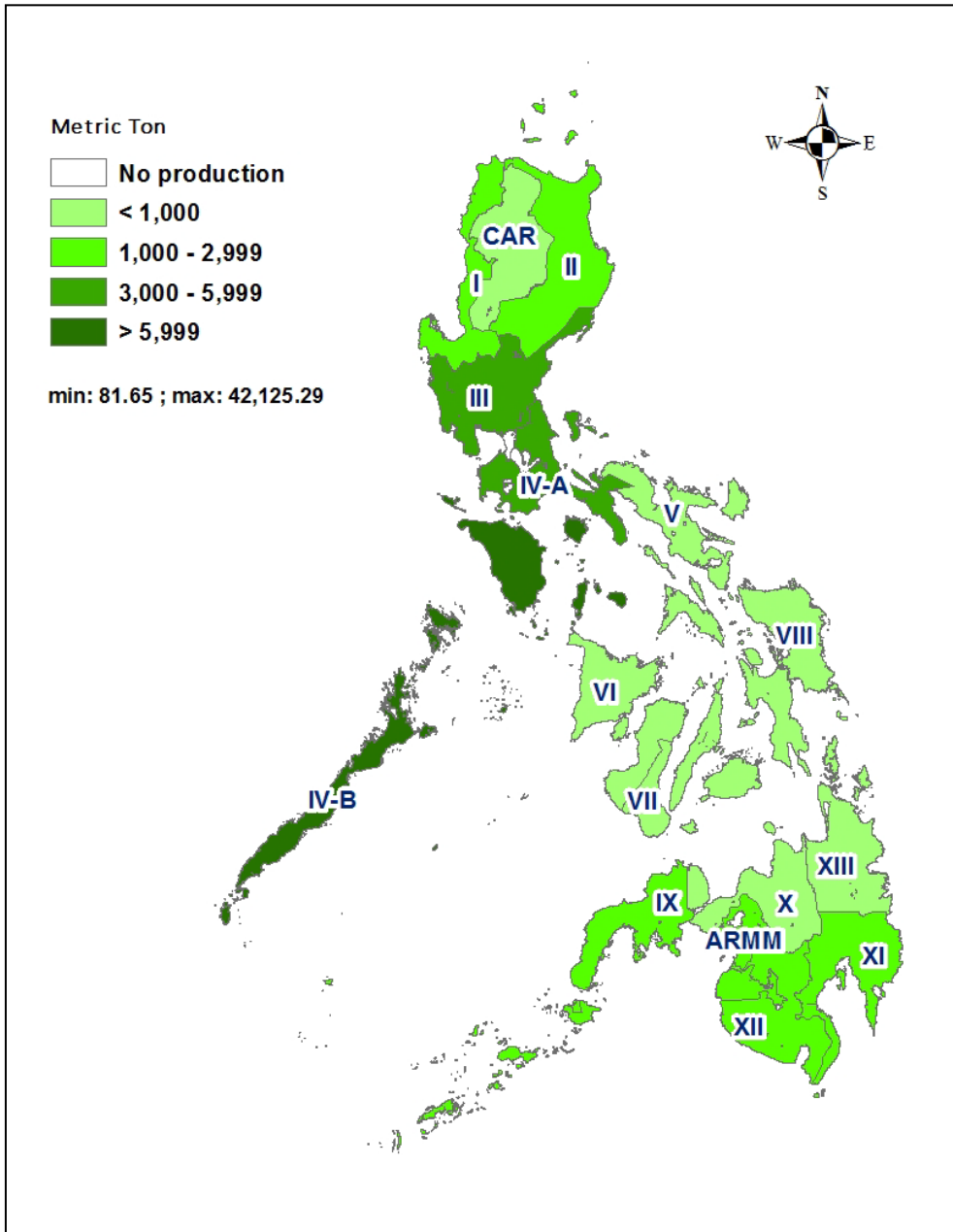
- Banana production from July to September 2019 was estimated at 2.39 million metric tons. It dropped by 1.6 percent from its 2018 same quarter level of 2.43 million metric tons.
- Davao Region posted the highest production of 894.63 thousand metric tons, which represented 37.4 percent of the total banana output this quarter. This was followed by Northern Mindanao and SOCCSKSARGEN with 21.8 percent and 12.6 percent shares, respectively (Table 2).
- Cavendish variety recorded the highest output of 1.23 million metric tons, which comprised of 51.2 percent of the total banana production. Saba and lakatan varieties shared 28.4 percent and 10.7 percent to the total, respectively (Table 1).



**FIGURE 2** Distribution of Banana Production by Region, July-September: 2019<sup>P</sup>



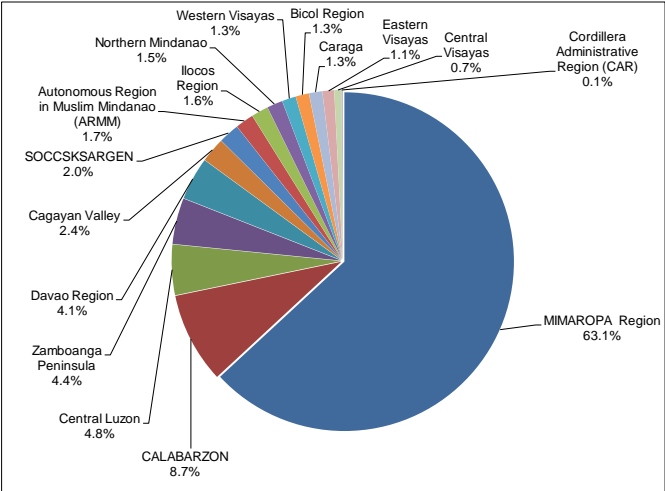
**FIGURE 3** Distribution of Banana Production by Variety, Philippines, July-September: 2019<sup>P</sup>



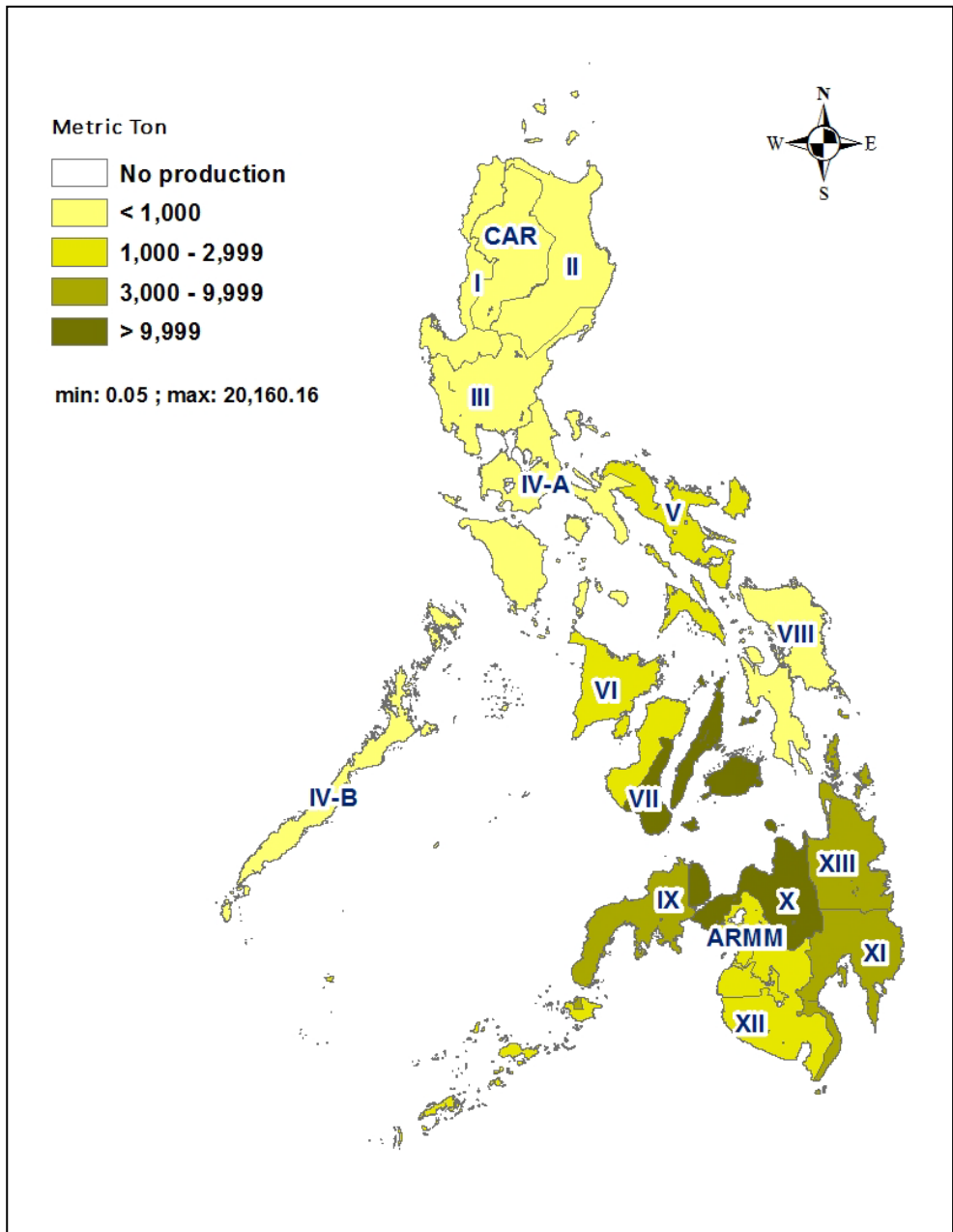
**FIGURE 4 Calamansi Production by Region, July-September: 2019<sup>P</sup>**

# Calamansi

- During the period of July to September 2019, calamansi production reached 66.76 thousand metric tons. It was 24.6 percent higher than the 2018 same quarter level of 53.56 thousand metric tons.
- More than half of the country's total production of calamansi or 63.1 percent was from MIMAROPA Region. CALABARZON and Central Luzon ranked far second and third, with respective shares of 8.7 percent and 4.8 percent (Figure 5).



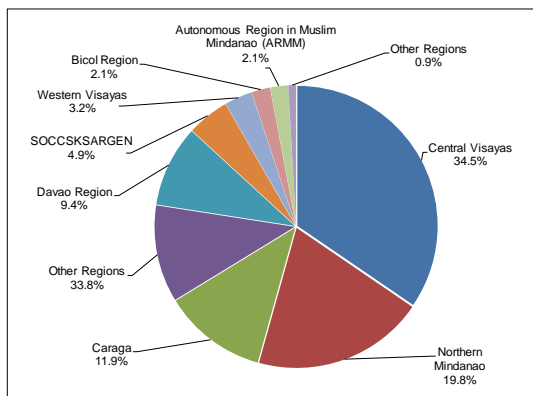
**FIGURE 5 Distribution of Calamansi Production by Region, July-September: 2019<sup>P</sup>**



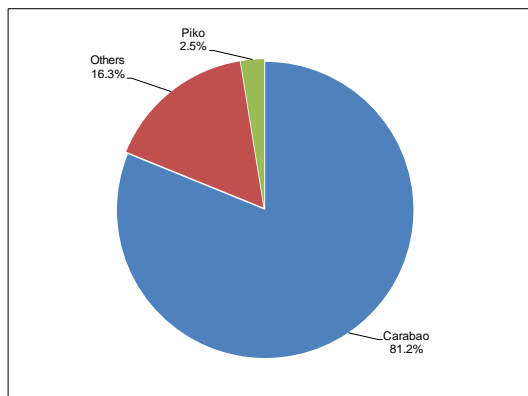
**FIGURE 6 Mango Production by Region, July-September: 2019<sup>P</sup>**

## Mango

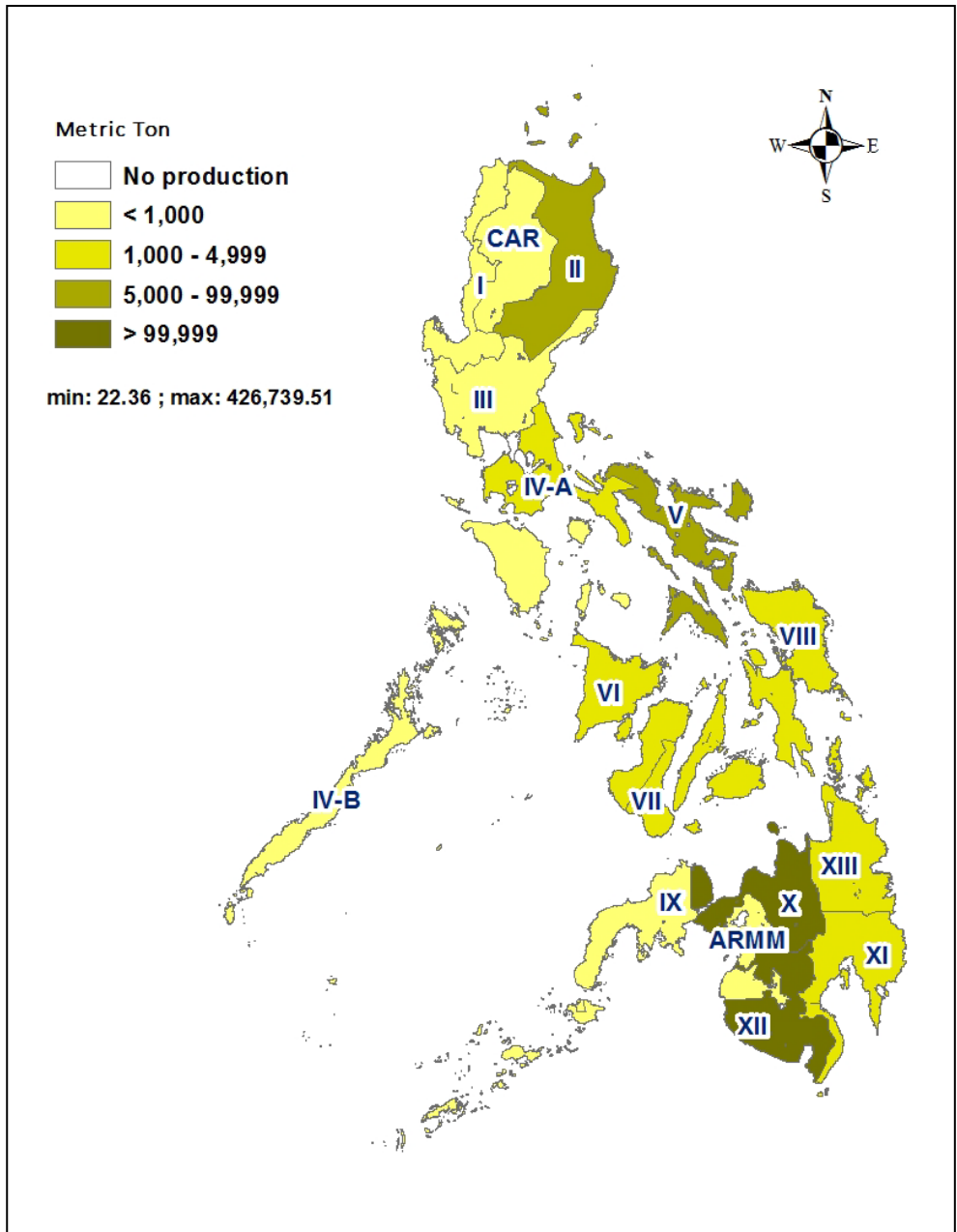
- For the period July to September 2019, mango production was estimated at 58.36 thousand metric tons. It was 0.9 percent higher than the 2018 same period level of 57.85 thousand metric tons.
- Central Visayas recorded the highest share to the total mango production at 34.5 percent, followed by Northern Mindanao and Caraga at 19.8 percent and 11.9 percent, respectively (Figure 7).
- Carabao mango production at 47.36 thousand metric tons accounted for 81.2 percent of the country's total mango production (Table 1).



**FIGURE 7** Distribution of Mango Production by Region, July-September: 2019<sup>P</sup>



**FIGURE 8** Distribution of Mango Production by Variety, Philippines, July-September: 2019<sup>P</sup>

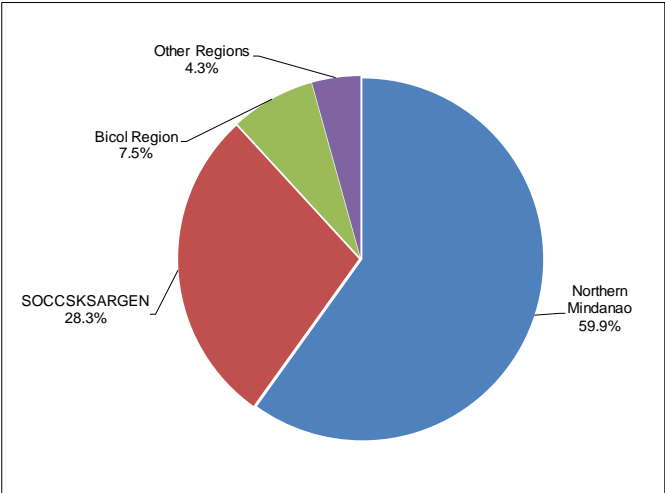


**FIGURE 9 Pineapple Production by Region, July-September: 2019<sup>P</sup>**



# Pineapple

- During the third quarter of 2019, production of pineapple slightly increased by 1.0 percent, from its 2018 same period level of 705.43 thousand metric tons to 712.29 thousand metric tons this quarter.
- Northern Mindanao remained the leading pineapple producer with 426.74 thousand metric tons, which contributed 59.9 percent to the total production this quarter. This was followed by SOCCSKSARGEN with 28.3 percent share and Bicol Region with 7.5 percent (Table 5).



**FIGURE 10 Distribution of Pineapple Production by Region, July-September: 2019<sup>P</sup>**

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# **STATISTICAL TABLES**

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**TABLE 1 Volume of Production for Selected Fruit Crops, Philippines**  
**April-June: 2018-2019 and July-September: 2018-2019<sup>P</sup>**  
(In metric tons)

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

CROP	Production				Percent Change	
	April-June		July-September		Apr-Jun	Jul-Sep
	2018	2019	2018	2019 <sup>P</sup>		
Banana	2,358,794	2,260,965	2,432,072	2,392,673	(4.1)	(1.6)
Cavendish	1,220,111	1,211,405	1,246,602	1,225,146	(0.7)	(1.7)
<i>51.7%</i>	<i>53.6%</i>	<i>51.3%</i>	<i>51.2%</i>			
Lakatan	232,196	216,679	258,074	255,710	(6.7)	(0.9)
<i>9.8%</i>	<i>9.6%</i>	<i>10.6%</i>	<i>10.7%</i>			
Saba	685,020	628,491	689,647	678,396	(8.3)	(1.6)
<i>29.0%</i>	<i>27.8%</i>	<i>28.4%</i>	<i>28.4%</i>			
Other banana	221,466	204,390	237,749	233,421	(7.7)	(1.8)
<i>9.4%</i>	<i>9.0%</i>	<i>9.8%</i>	<i>9.8%</i>			
Calamansi	18,387	18,019	53,563	66,758	(2.0)	24.6
Mango	528,492	556,877	57,851	58,364	5.4	0.9
Carabao	423,355	445,780	46,458	47,364	5.3	1.9
<i>80.1%</i>	<i>80.1%</i>	<i>80.3%</i>	<i>81.2%</i>			
Other mango	105,137	111,097	11,393	11,000	5.7	(3.4)
<i>19.9%</i>	<i>19.9%</i>	<i>19.7%</i>	<i>18.8%</i>			
Pineapple	697,451	702,245	705,429	712,294	0.69	1.0

<sup>P</sup>-Preliminary

*Italicized numbers are the percent share of varieties to the total fruit production estimates*

**TABLE 2 Volume of Production for Banana by Region**  
**April-June: 2018-2019 and July-September: 2018-2019<sup>P</sup>**  
(In metric tons)

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

Region	Production				Percent Change	
	April-June		July-September		Apr-Jun	Jul-Sep
	2018	2019	2018	2019 <sup>P</sup>		
<b>PHILIPPINES</b>	<b>2,358,794</b>	<b>2,260,965</b>	<b>2,432,072</b>	<b>2,392,673</b>	<b>(4.1)</b>	<b>(1.6)</b>
Cordillera Administrative Region (CAR)	5,365	4,120	8,054	8,043	(23.2)	(0.1)
Region I (Ilocos Region)	10,932	10,672	9,623	9,632	(2.4)	0.1
Region II (Cagayan Valley)	187,902	152,009	97,136	88,484	(19.1)	(8.9)
Region III (Central Luzon)	14,957	15,426	12,905	13,856	3.1	7.4
Region IV-A (CALABARZON)	44,222	41,606	40,335	37,668	(5.9)	(6.6)
MIMAROPA Region	17,525	16,977	32,111	35,343	(3.1)	10.1
Region V (Bicol Region)	15,626	14,737	27,733	27,814	(5.7)	0.3
Region VI (Western Visayas)	63,305	61,962	53,060	53,941	(2.1)	1.7
Region VII (Central Visayas)	37,882	33,729	40,336	35,860	(11.0)	(11.1)
Region VIII (Eastern Visayas)	56,692	55,404	67,352	70,453	(2.3)	4.6
Region IX (Zamboanga Peninsula)	64,506	61,663	69,929	68,989	(4.4)	(1.3)
Region X (Northern Mindanao)	419,420	418,610	517,399	522,062	(0.2)	0.9
Region XI (Davao Region)	934,839	900,400	929,427	894,626	(3.7)	(3.7)
Region XII (SOCCSKSARGEN)	288,780	274,513	303,735	301,795	(4.9)	(0.6)
Region XIII (Caraga)	71,476	71,975	83,692	84,444	0.7	0.9
Autonomous Region in Muslim Mindanao (ARMM)	125,364	127,163	139,245	139,663	1.4	0.3

<sup>P</sup>-Preliminary

**TABLE 3 Volume of Production for Calamansi by Region**  
**April-June: 2018-2019 and July-September: 2018-2019<sup>P</sup>**  
(In metric tons)

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

Region	Production				Percent Change	
	April-June		July-September		Apr-Jun	Jul-Sep
	2018	2019	2018	2019 <sup>P</sup>		
<b>PHILIPPINES</b>	<b>18,387</b>	<b>18,019</b>	<b>53,563</b>	<b>66,758</b>	<b>(2.0)</b>	<b>24.6</b>
Cordillera Administrative Region (CAR)	118	118	83	82	0.1	(1.8)
Region I (Ilocos Region)	850	833	1,056	1,077	(2.0)	2.0
Region II (Cagayan Valley)	1,587	1,461	1,741	1,577	(8.0)	(9.4)
Region III (Central Luzon)	2,056	1,969	2,986	3,212	(4.2)	7.6
Region IV-A (CALABARZON)	339	332	5,891	5,781	(2.3)	(1.9)
MIMAROPA Region	6,906	7,006	28,625	42,125	1.4	47.2
Region V (Bicol Region)	186	184	779	845	(1.2)	8.5
Region VI (Western Visayas)	553	535	947	882	(3.3)	(6.9)
Region VII (Central Visayas)	320	310	498	457	(3.1)	(8.3)
Region VIII (Eastern Visayas)	161	133	725	742	(17.7)	2.3
Region IX (Zamboanga Peninsula)	2,462	2,383	3,271	2,933	(3.2)	(10.3)
Region X (Northern Mindanao)	489	485	937	995	(0.9)	6.2
Region XI (Davao Region)	1,440	1,406	2,692	2,727	(2.4)	1.3
Region XII (SOCCSKSARGEN)	504	480	1,303	1,316	(4.8)	1.0
Region XIII (Caraga)	257	228	899	842	(11.0)	(6.3)
Autonomous Region in Muslim Mindanao (ARMM)	158	157	1,130	1,165	(0.9)	3.0

*P-Preliminary*

**TABLE 4 Volume of Production for Mango by Region**  
**April-June: 2018-2019 and July-September: 2018-2019<sup>P</sup>**  
(In metric tons)

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

Region	Production				Percent Change	
	April-June		July-September		Apr-Jun	Jul-Sep
	2018	2019	2018	2019 <sup>P</sup>		
<b>PHILIPPINES</b>	<b>528,492</b>	<b>556,877</b>	<b>57,851</b>	<b>58,364</b>	<b>5.4</b>	<b>0.9</b>
Cordillera Administrative Region (CAR)	2,275	2,534	5	6	11.4	12.6
Region I (Ilocos Region)	112,734	125,620	15	16	11.4	4.9
Region II (Cagayan Valley)	47,306	44,910	194	194	(5.1)	(0.4)
Region III (Central Luzon)	26,344	26,145	79	68	(0.8)	(13.6)
Region IV-A (CALABARZON)	40,554	46,667	-	0.1	15.1	#DIV/0!
MIMAROPA Region	14,934	16,324	97	134	9.3	38.4
Region V (Bicol Region)	565	639	1,559	1,250	13.1	(19.8)
Region VI (Western Visayas)	40,695	45,371	2,003	1,872	11.5	(6.5)
Region VII (Central Visayas)	48,762	53,938	19,104	20,160	10.6	5.5
Region VIII (Eastern Visayas)	254	288	106	107	13.6	0.8
Region IX (Zamboanga Peninsula)	59,013	58,241	6,730	6,530	(1.3)	(3.0)
Region X (Northern Mindanao)	33,591	35,419	11,633	11,544	5.4	(0.8)
Region XI (Davao Region)	42,621	34,024	5,283	5,478	(20.2)	3.7
Region XII (SOCCSKSARGEN)	42,550	49,734	2,884	2,837	16.9	(1.6)
Region XIII (Caraga)	4,040	4,269	6,970	6,972	5.7	0.0
Autonomous Region in Muslim Mindanao (ARMM)	12,255	12,753	1,190	1,198	4.1	0.7

<sup>P</sup>-Preliminary



**TABLE 5 Volume of Production for Pineapple by Region**  
**April-June: 2018-2019 and July-September: 2018-2019<sup>P</sup>**  
(In metric tons)

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

Region	Production				Percent Change	
	April-June		July-September		Apr-Jun	Jul-Sep
	2018	2019	2018	2019 <sup>P</sup>		
<b>PHILIPPINES</b>	<b>697,451</b>	<b>702,245</b>	<b>705,429</b>	<b>712,294</b>	<b>0.7</b>	<b>1.0</b>
Cordillera Administrative Region (CAR)	403	370	264	288	(8.1)	9.0
Region I (Ilocos Region)	134	140	24	22	4.3	(5.3)
Region II (Cagayan Valley)	22,770	21,319	15,297	14,019	(6.4)	(8.4)
Region III (Central Luzon)	1,203	1,378	360	366	14.6	1.7
Region IV-A (CALABARZON)	67,489	56,429	3,487	3,441	(16.4)	(1.3)
MIMAROPA Region	356	331	64	65	(7.0)	1.3
Region V (Bicol Region)	44,153	58,618	52,190	53,535	32.8	2.6
Region VI (Western Visayas)	6,927	6,659	3,774	4,167	(3.9)	10.4
Region VII (Central Visayas)	2,925	4,073	1,227	1,230	39.3	0.3
Region VIII (Eastern Visayas)	4,846	4,730	1,276	1,277	(2.4)	0.1
Region IX (Zamboanga Peninsula)	272	256	228	236	(5.9)	3.7
Region X (Northern Mindanao)	353,051	352,733	421,871	426,740	(0.1)	1.2
Region XI (Davao Region)	11,676	11,670	4,158	4,246	(0.05)	2.1
Region XII (SOCCSKSARGEN)	179,600	181,835	199,765	201,228	1.2	0.7
Region XIII (Caraga)	1,348	1,399	1,217	1,205	3.8	(1.0)
Autonomous Region in Muslim Mindanao (ARMM)	300	305	228	229	1.7	0.7

<sup>P</sup>-Preliminary

**TABLE 6 Area Planted and Number of Bearing Trees/Hills for Selected Crops January-June: 2018-2019**

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

Selected Crops	January-June		Percent Change
	2018	2019	
<b>Area Planted (Ha)</b>			
Banana	445,247	447,300	0.5
Cavendish	88,009	87,951	(0.1)
Lakatan	54,738	56,951	4.0
Saba	184,532	185,046	0.3
Other banana	117,969	117,352	(0.5)
Calamansi	19,717	19,596	(0.6)
Mango	185,194	186,695	0.8
Carabao	144,805	146,002	0.8
Other mango	40,389	40,693	0.8
Pineapple	63,943	63,904	(0.1)
<b>Number of Bearing Trees/Hills</b>			
Banana	284,978,692	281,886,573	(1.1)
Cavendish	122,992,664	122,189,960	(0.7)
Lakatan	31,754,986	31,593,487	(0.5)
Saba	80,205,365	78,928,288	(1.6)
Other banana	50,025,677	49,174,838	(1.7)
Calamansi	8,304,031	8,304,138	0.0
Mango	9,460,132	9,533,795	0.8
Carabao	7,111,430	7,184,491	1.0
Other mango	2,348,702	2,349,304	0.03
Pineapple	NA	NA	NA

*NA-Not Applicable*

**MAJOR FRUIT CROPS QUARTERLY BULLETIN**

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