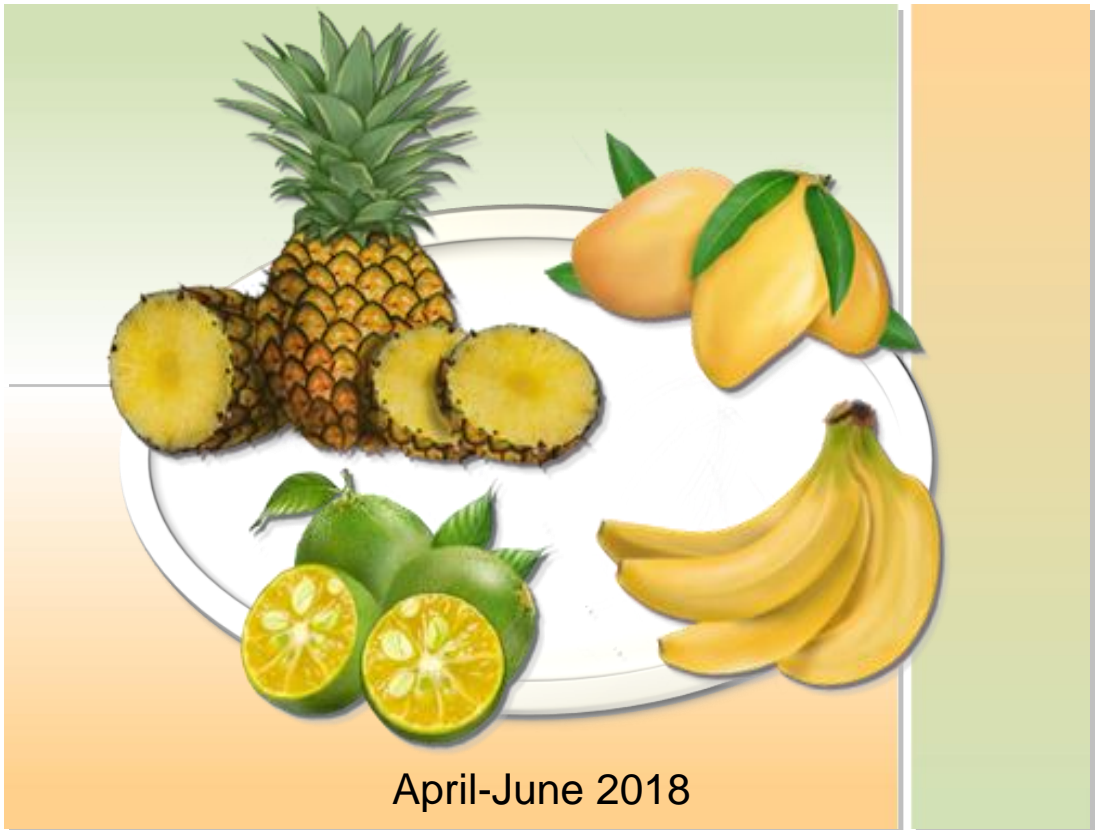


# Major Fruit Crops Quarterly Bulletin

Volume 12 No. 2

Quezon City, Philippines



April-June 2018



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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 2<sup>nd</sup> quarter 2018 issue of the Bulletin presents the final estimates of production for January-March 2018 and the preliminary estimates for April-June 2018. It also contains the January-June 2018 preliminary estimates on area planted and number of bearing trees/hills. The main source of data is the quarterly Crops Production Survey (CrPS) of the PSA.

*Lisa Grace S. Bersales*

**LISA GRACE S. BERSALES, Ph.D.**

Undersecretary

National Statistician and Civil Registrar General

Quezon City, Philippines  
August 2018

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*Note: <sup>P</sup> - Preliminary Estimate*

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Note: <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 these surveys. For this bulletin, information on four (4) 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 Quarterly Crops Production Survey (CrPS) of which there are 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 being the survey domain. The top five (5) producing municipalities of a certain crop are chosen from each province. From each of these municipalities, five (5) sample farmers are selected as respondents. In this two-stage design, the municipalities serve as the primary sampling units while the farmers are the secondary sampling unit.

## Data Collection

For CrPS, data collection is conducted quarterly during the last ten (10) days of the middle month of the quarter. It gathers data in 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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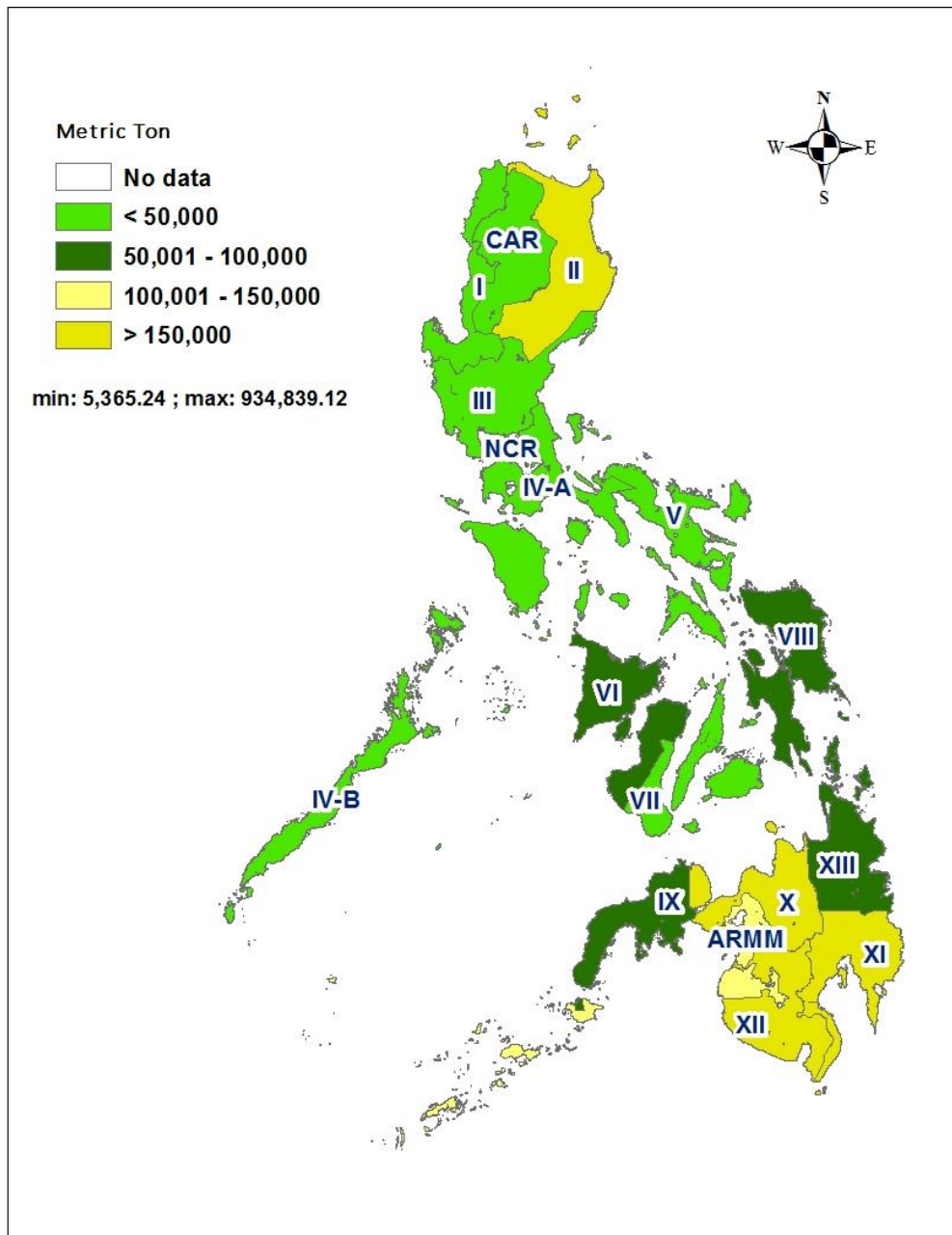
<sup>1</sup> **Source:** *Excerpts from Crops Statistics of the Philippines 2012-2016; ISSN-2012-0487*  
<https://psa.gov.ph/content/crops-statistics-philippines-national-and-regional>

Area planted refers to the actual physical area planted. This generally applies to area reported for permanent crops and multi-harvest temporary crops. While, 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 is the number of 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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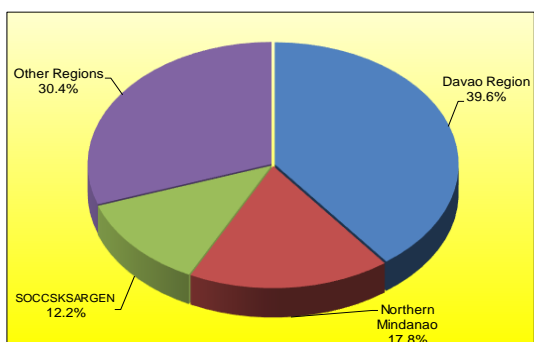


**FIGURE 1 Banana Production by Region, April-June: 2018<sup>P</sup>**

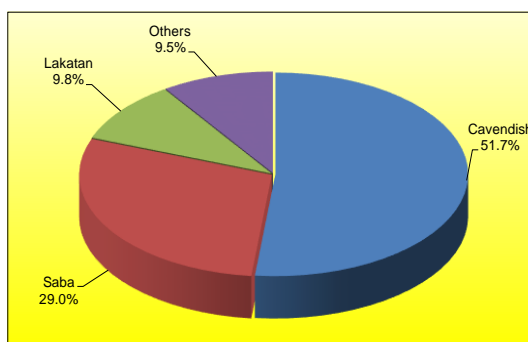
# HIGHLIGHTS

## Banana

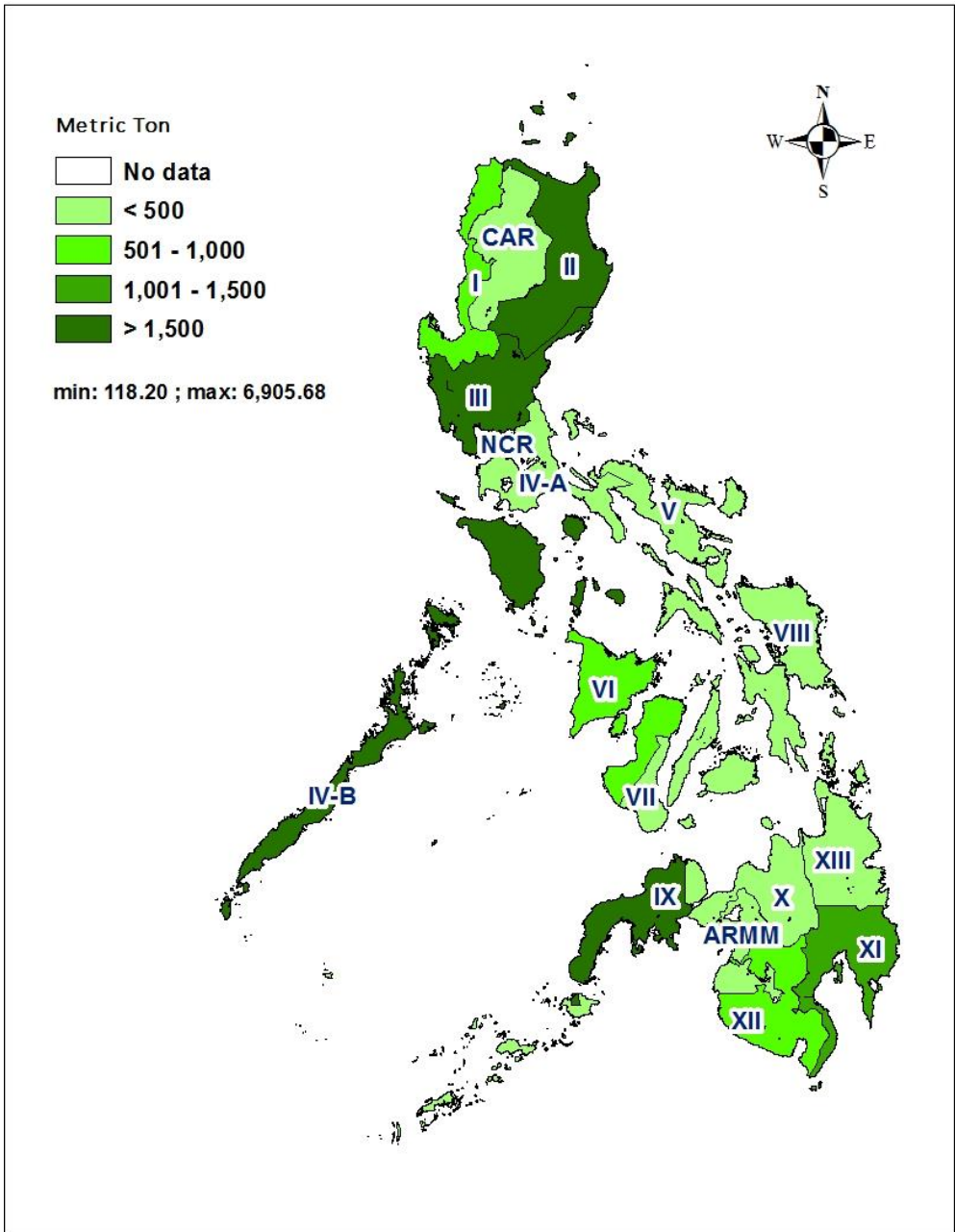
- Banana production for the period April to June 2018 reached 2.36 million metric tons. It was 3.8 percent higher than the 2.27 million metric tons during the same period of 2017. The increment was brought about by the following:
  - recovery from the damages caused by Typhoon Lawin in Cagayan Valley during the 4th quarter of 2016;
  - more hills bore fruits in ARMM while bigger fruits were harvested in SOCCSKSARGEN due to moderate rainfall during fruit development; and
  - increased number of bearing hills of Cavendish banana and more fertilizer usage in Davao Region.
- Davao Region recorded the highest share of 39.6 percent of total banana production followed by Northern Mindanao and SOCCSKSARGEN with 17.8 percent and 12.2 percent respectively (Figure 2).
- Cavendish variety accounted for 51.7 percent or 1.22 million metric tons of the country's total banana production. Moreover, Saba variety shared 29.0 percent while Lakatan and Other varieties shared more than 9.0 percent each (Figure 3).



**FIGURE 2** Distribution of Banana Production by Region, April-June: 2018<sup>P</sup>



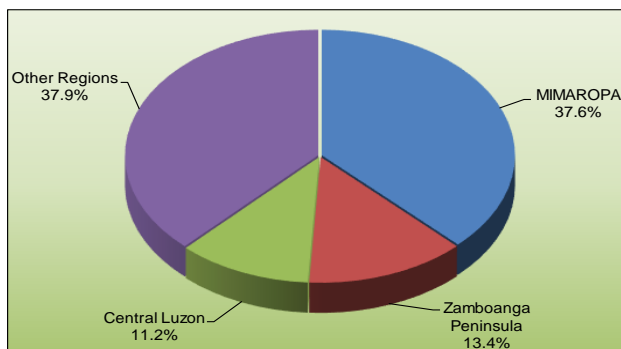
**FIGURE 3** Percent Distribution of Banana Production by Variety, April-June: 2018<sup>P</sup>



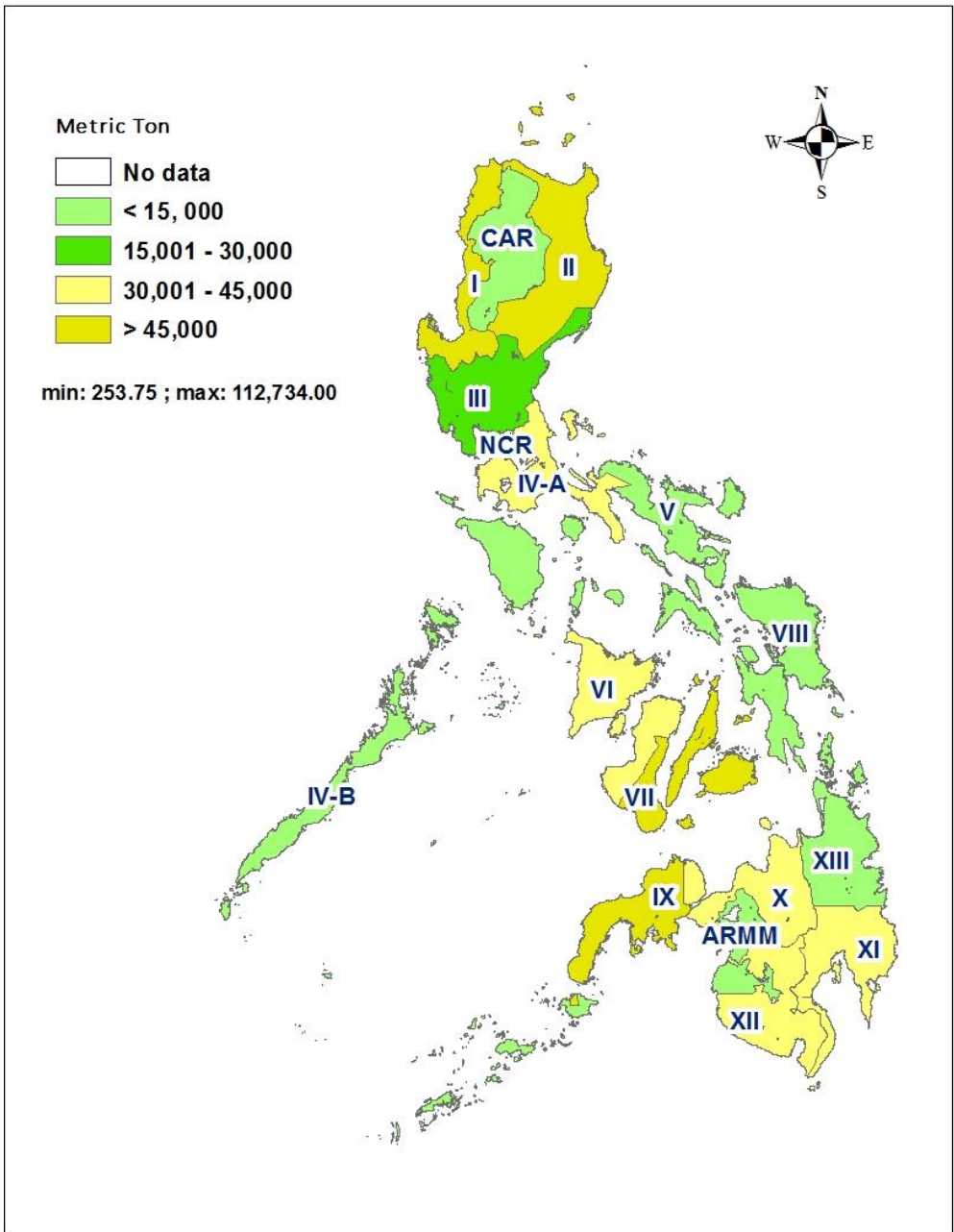
**FIGURE 4 Calamansi Production by Region, April-June: 2018<sup>P</sup>**

## Calamansi

- For the second quarter of 2018, calamansi production declined by 3.0 percent, from 18.95 thousand metric tons last year to 18.39 thousand metric tons. The decline was caused by:
  - decrease in area and bearing trees due to cutting of old and less productive trees in Zamboanga Peninsula; and
  - smaller fruits produced due to aphids and extreme heat; delayed fruiting/harvesting in some farms and cutting of senile trees in Central Luzon
- MIMAROPA remained the top producer region of calamansi with 37.6 percent share to the total national production. Zamboanga Peninsula ranked second with 13.4 percent share and Central Luzon with 11.2 percent (Figure 5).



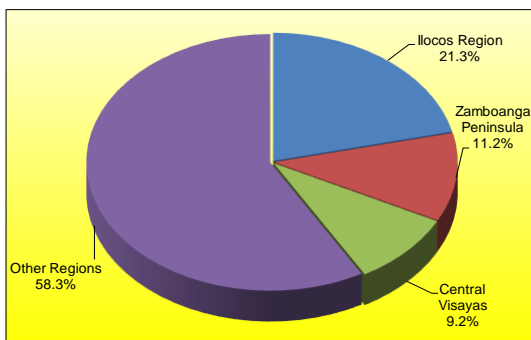
**FIGURE 5 Distribution of Calamansi Production by Region, April-June: 2018<sup>P</sup>**



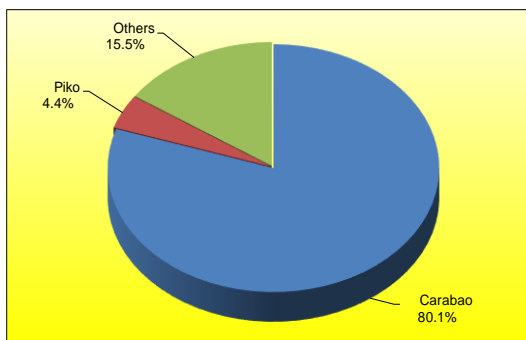
**FIGURE 6 Mango Production by Region, April-June: 2018<sup>P</sup>**

## Mango

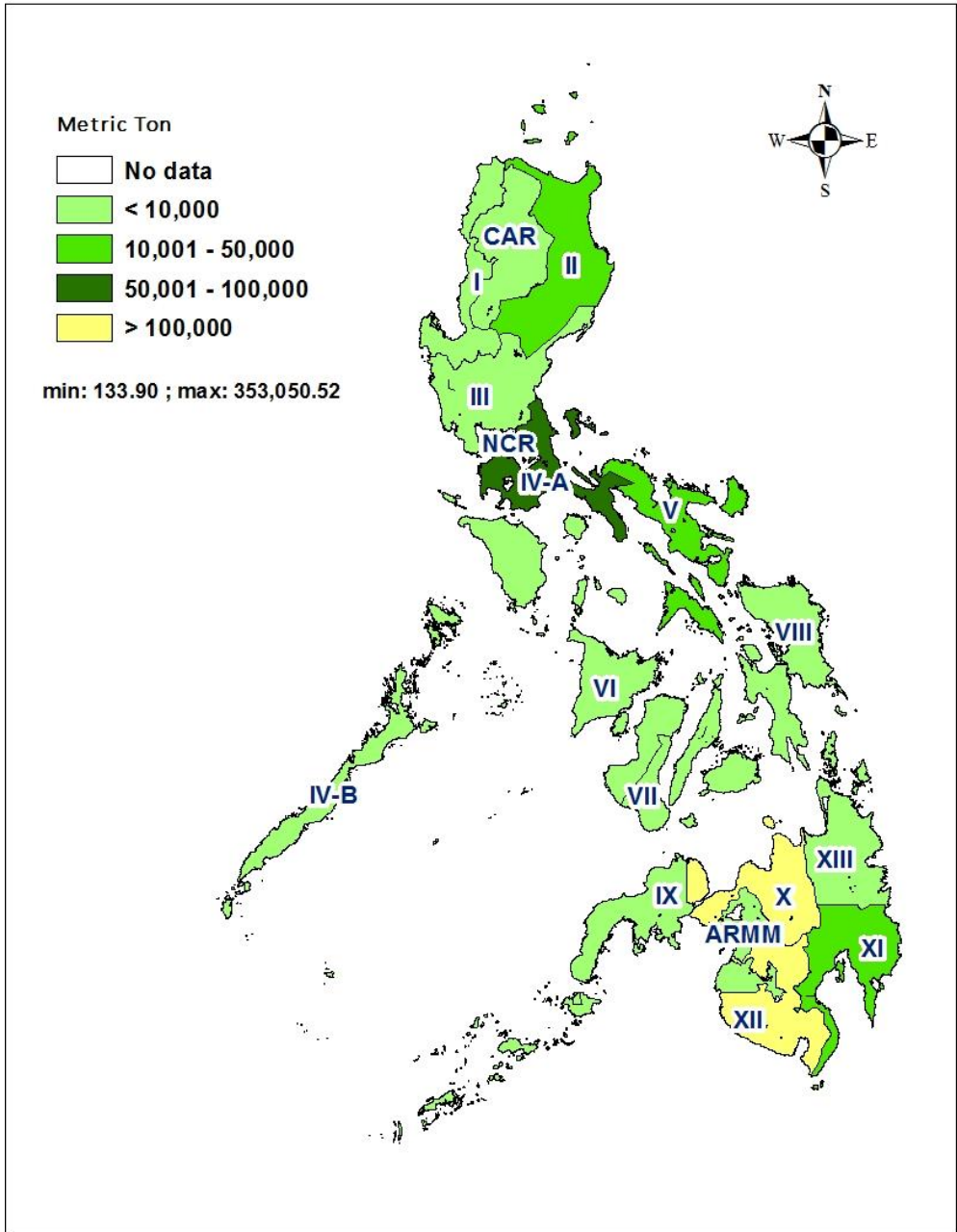
- In April-June 2018, the country produced 528.49 thousand metric tons of mango, 3.3 percent lower than the 546.28 thousand metric tons produced in 2017. The decrease in production was due to:
  - lesser fruits harvested due to the occurrence of rain showers in Ilocos Region and Zamboanga Peninsula and adverse effect of cecid fly in the former region, both during flowering stage.
- The highest producer of mango during the period was Ilocos Region contributing about 21.3 percent of total national production. Zamboanga Peninsula and Central Visayas follows with 11.2 percent and 9.2 percent respectively (Figure 7).
- Carabao mango recorded the highest output at 423.36 thousand metric tons representing 80.1 percent of the total mango production this period (Figure 8).



**FIGURE 7** Distribution of Mango Production by Region, April-June: 2018<sup>P</sup>



**FIGURE 8** Percent Distribution of Mango Production by Variety, April-June: 2018<sup>P</sup>

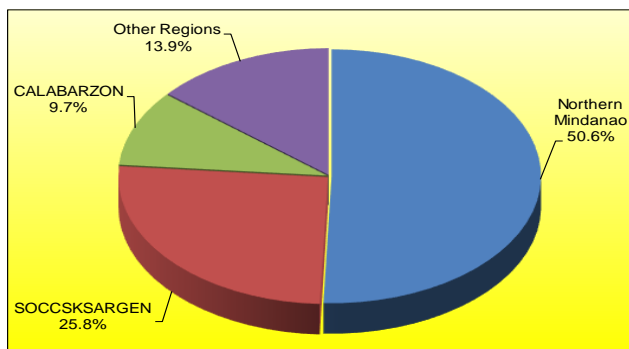


**FIGURE 9 Pineapple Production by Region, April-June: 2018<sup>P</sup>**



## Pineapple

- During the period April-June 2018, pineapple production was recorded at 697.45 thousand metric tons. It was 3.3 percent higher than the 2017 level of 675.20 thousand metric tons. The increment could be traced to:
  - area expansion of corporate farms in SOCCSKSARGEN and Northern Mindanao due to high market demand; and
  - bigger fruits and more area harvested due to lesser weather disturbances in Cagayan Valley
- Half of the total national production of pineapple was from Northern Mindanao at the level of 353.05 thousand metric tons. The other top producing regions were SOCCSKSARGEN with 25.8 percent share and CALABARZON with 9.7 percent (Figure 10).



**FIGURE 10** Distribution of Pineapple Production by Region, April-June: 2018<sup>P</sup>

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# **STATISTICAL TABLES**

**TABLE 1 Volume of Production for Selected Fruit Crops, Philippines:  
January-March: 2017-2018 and April-June: 2017-2018<sup>P</sup>**  
(In metric tons)

CROP	Production				Percent Change	
	January-March		April-June		Jan-Mar	Apr-Jun
	2017	2018	2017	2018 <sup>P</sup>		
Banana	2,100,630	2,143,874	2,272,836	2,358,794	2.1	3.78
Cavendish	1,171,397	1,193,589	1,193,952	1,219,509	1.9	2.14
Lakatan	188,325	192,988	227,193	232,196	2.5	2.20
Saba	535,107	549,664	642,896	685,020	2.7	6.55
Calamansi	14,988	14,857	18,951	18,387	(0.9)	(2.98)
Mango	107,827	97,697	546,277	528,492	(9.4)	(3.26)
Carabao	88,199	79,068	443,436	423,355	(10.4)	(4.53)
Pineapple	613,526	621,642	675,200	697,451	1.3	3.30

<sup>P</sup>-Preliminary

**TABLE 2 Volume of Production for Banana by Region,  
January-March: 2017-2018 and April-June: 2017-2018<sup>P</sup>**  
(In metric tons)

Region	Production				Percent Change	
	January-March		April-June		Jan-Mar	Apr-Jun
	2017	2018	2017	2018 <sup>P</sup>		
<b>PHILIPPINES</b>	<b>2,100,630</b>	<b>2,143,874</b>	<b>2,272,836</b>	<b>2,358,794</b>	<b>2.1</b>	<b>3.8</b>
National Capital Region	-	-	-	-	-	-
CAR	4,537	4,896	4,952	5,365	7.9	8.3
Ilocos Region	10,605	11,195	10,513	10,932	5.6	4.0
Cagayan Valley	23,244	34,482	149,871	187,902	48.3	25.4
Central Luzon	9,786	9,987	14,385	14,957	2.1	4.0
CALABARZON	10,161	9,823	45,164	44,222	(3.3)	(2.1)
MIMAROPA	20,262	21,258	16,598	17,525	4.9	5.6
Bicol Region	13,806	13,947	14,150	15,626	1.0	10.4
Western Visayas	81,814	83,604	61,377	63,305	2.2	3.1
Central Visayas	68,414	69,138	37,632	37,882	1.1	0.7
Eastern Visayas	57,632	56,873	56,567	56,692	(1.3)	0.2
Zamboanga Peninsula	38,372	38,239	64,936	64,506	(0.3)	(0.7)
Northern Mindanao	514,114	522,068	416,049	419,420	1.5	0.8
Davao Region	775,210	786,889	917,230	934,839	1.5	1.9
SOCCKSARGEN	270,609	280,616	280,008	288,780	3.7	3.1
Caraga	63,320	62,811	70,124	71,476	(0.8)	1.9
ARMM	138,744	138,048	113,279	125,364	(0.5)	10.7

*<sup>P</sup>-Preliminary  
- no data*

**TABLE 3 Volume of Production for Calamansi by Region,  
January-March: 2017-2018 and April-June: 2017-2018<sup>P</sup>**  
(In metric tons)

Region	Production				Percent Change	
	January-March		April-June		Jan-Mar	Apr-Jun
	2017	2018	2017	2018 <sup>P</sup>		
<b>PHILIPPINES</b>	<b>14,988</b>	<b>14,857</b>	<b>18,951</b>	<b>18,387</b>	<b>(0.9)</b>	<b>(3.0)</b>
National Capital Region	-	-	-	-	-	-
CAR	130	132	108	118	1.6	9.4
Ilocos Region	633	614	889	850	(3.0)	(4.4)
Cagayan Valley	581	583	1,565	1,587	0.3	1.4
Central Luzon	2,136	1,908	2,148	2,056	(10.7)	(4.3)
CALABARZON	2,353	2,699	402	339	14.7	(15.7)
MIMAROPA	2,535	2,421	6,882	6,906	(4.5)	0.3
Bicol Region	225	206	184	186	(8.4)	0.9
Western Visayas	1,218	1,227	537	553	0.7	3.0
Central Visayas	178	165	308	320	(7.6)	3.9
Eastern Visayas	449	417	158	161	(6.9)	1.9
Zamboanga Peninsula	600	576	2,870	2,462	(4.0)	(14.2)
Northern Mindanao	368	331	506	489	(9.9)	(3.4)
Davao Region	1,654	1,628	1,479	1,440	(1.5)	(2.6)
SOCCSKSARGEN	1,321	1,288	485	504	(2.4)	3.8
Caraga	363	417	277	257	15.1	(7.5)
ARMM	246	244	150	158	(0.5)	5.1

***P-Preliminary***  
***- no data***

**TABLE 4 Volume of Production for Mango by Region,  
January-March: 2017-2018 and April-June: 2017-2018<sup>P</sup>**  
(In metric tons)

Region	Production				Percent Change	
	January-March		April-June		Jan-Mar	Apr-Jun
	2017	2018	2017	2018 <sup>P</sup>		
<b>PHILIPPINES</b>	<b>107,827</b>	<b>97,697</b>	<b>546,277</b>	<b>528,492</b>	<b>(9.4)</b>	<b>(3.3)</b>
National Capital Region	-	-	-	-	-	-
CAR	527	439	2,345	2,275	(16.7)	(3.0)
Ilocos Region	59,990	53,888	132,658	112,734	(10.2)	(15.0)
Cagayan Valley	6	6	48,443	47,306	(3.5)	(2.3)
Central Luzon	19,886	17,741	28,801	26,344	(10.8)	(8.5)
CALABARZON	295	200	40,901	40,554	(32.2)	(0.8)
MIMAROPA	597	565	14,569	14,934	(5.3)	2.5
Bicol Region	17	18	499	565	4.9	13.2
Western Visayas	6,600	6,033	39,745	40,695	(8.6)	2.4
Central Visayas	3,586	2,947	43,769	48,762	(17.8)	11.4
Eastern Visayas	19	14	246	254	(23.4)	3.1
Zamboanga Peninsula	5,305	5,343	67,612	59,013	0.7	(12.7)
Northern Mindanao	1,260	1,224	32,725	33,591	(2.8)	2.6
Davao Region	2,612	2,719	42,030	42,621	4.1	1.4
SOCCSKSARGEN	6,117	5,635	37,727	42,550	(7.9)	12.8
Caraga	947	862	4,050	4,040	(8.9)	(0.2)
ARMM	65	64	10,155	12,255	(1.3)	20.7

*<sup>P</sup>-Preliminary*

*- no data*

**TABLE 5 Volume of Production for Pineapple by Region,  
January-March: 2017-2018 and April-June: 2017-2018<sup>P</sup>**  
(In metric tons)

Region	Production				Percent Change	
	January-March		April-June		Jan-Mar	Apr-Jun
	2017	2018	2017	2018 <sup>P</sup>		
<b>PHILIPPINES</b>	<b>613,526</b>	<b>621,642</b>	<b>675,200</b>	<b>697,451</b>	<b>1.3</b>	<b>3.3</b>
National Capital Region	-	-	-	-	-	-
CAR	72	75	398	403	3.6	1.2
Ilocos Region	14	14	134	134	(0.6)	(0.1)
Cagayan Valley	466	497	19,421	22,770	6.7	17.2
Central Luzon	21	26	1,211	1,203	23.3	(0.7)
CALABARZON	11,081	8,709	67,696	67,489	(21.4)	(0.3)
MIMAROPA	127	124	348	356	(2.5)	2.2
Bicol Region	36,246	39,925	37,975	44,153	10.2	16.3
Western Visayas	2,286	2,183	6,530	6,927	(4.5)	6.1
Central Visayas	912	1,134	2,542	2,925	24.3	15.1
Eastern Visayas	1,361	1,313	4,860	4,846	(3.5)	(0.3)
Zamboanga Peninsula	142	120	297	272	(15.1)	(8.6)
Northern Mindanao	340,068	343,885	348,713	353,051	1.1	1.2
Davao Region	6,575	6,711	11,256	11,676	2.1	3.7
SOCCSKSARGEN	213,932	216,705	172,039	179,600	1.3	4.4
Caraga	94	91	1,495	1,348	(2.2)	(9.8)
ARMM	130	132	284	300	1.2	5.6

<sup>P</sup>-Preliminary  
- no data



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

Selected Crops	January-June		Percent Change
	2017	2018 <sup>P</sup>	
<b>Area Planted (Ha)</b>			
Banana	443,676	445,137	0.3
Cavendish	87,045	87,918	1.0
Lakatan	54,636	54,720	0.2
Saba	183,899	184,532	0.3
Calamansi	19,745	19,717	(0.1)
Mango	185,572	185,194	(0.2)
Carabao	145,076	144,805	(0.2)
Pineapple	63,418	63,903	0.8
<b>Number of Bearing Trees/Hills</b>			
Banana	281,306,373	284,629,042	1.2
Cavendish	120,768,677	122,919,824	1.8
Lakatan	31,627,090	31,751,786	0.4
Saba	79,086,479	79,932,365	1.1
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)
Pineapple	NA	NA	NA

<sup>NA</sup>- *Not Applicable*

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**MAJOR FRUIT CROPS QUARTERLY BULLETIN**

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