

ISSN 2012-0362



# SELECTED STATISTICS ON AGRICULTURE *2017*



REPUBLIC OF THE PHILIPPINES

**PHILIPPINE STATISTICS AUTHORITY**

SOLID • RESPONSIVE • WORLD-CLASS



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**REPUBLIC OF THE PHILIPPINES**

HIS EXCELLENCY  
**PRESIDENT RODRIGO R. DUTERTE**



**PHILIPPINE STATISTICS AUTHORITY**

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**ISSN-2012-0362**

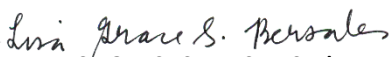
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## FOREWORD

The 2017 Selected Statistics on Agriculture (SSA) is the 28<sup>th</sup> issue of the annual statistical report published by the Philippine Statistics Authority (PSA). It provides a five-year data series (2012-2016) for selected macroeconomic indicators and agricultural production by subsector and by commodity, including statistics on production costs and returns, price and trade, and supply utilization accounts. Through this report, the PSA consolidates statistics and indicators that can respond to the needs of our data users.

The 28<sup>th</sup> issue of SSA can be downloaded from [www.psa.gov.ph](http://www.psa.gov.ph) and is available in printed copies.

As the PSA strives to improve its statistical products and services, we welcome comments and feedback on the contents and format of this publication.



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

Undersecretary

National Statistician and Civil Registrar General

Quezon City, Philippines  
October 2017

## ACKNOWLEDGMENT

Our appreciation and gratitude go to the following agencies for their cooperation and support in sharing with us their data: *Agricultural Credit Policy Council (ACPC), Asian Development Bank (ADB), National Meat Inspection Services (NMIS), Bangko Sentral ng Pilipinas (BSP), Department of Budget and Management (DBM), Development Bank of the Philippines (DBP), Food and Agriculture Organization (FAO), Fertilizer and Pesticide Authority (FPA), Philippine Fiber Industry Development Authority (PhilFIDA), National Food Authority (NFA), National Irrigation Administration (NIA), Philippine Coconut Authority (PCA), Philippine National Bank (PNB), Sugar Regulatory Administration (SRA) and World Bank (WB).*

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## EXPLANATORY NOTES

1. Data sets are sourced from various agricultural surveys conducted by PSA for crops, livestock and poultry and fisheries. Estimation procedures are based on the established sampling methodology used for each survey as discussed in detail in the Metadata for National Agricultural Statistics in the Philippines.
2. Unless otherwise indicated, year refers to calendar year.
3. Sources of basic data from other agencies are acknowledged at the bottom of each table.
4. As a rule, figures from source publications were copied to the extent possible. In some instances, however, figures were rounded-off or combined.
5. Figures may not add up to the totals due to rounding off.
6. Yield per hectare is derived prior to rounding-off the data on production and hectareage.
7. The following symbols and abbreviations are used in the tables:

---	<i>Data not yet available</i>
-	<i>None</i>
<i>R</i>	<i>Revised</i>
<i>P</i>	<i>Preliminary</i>
<i>mt</i>	<i>Metric Ton</i>
<i>ha(s)</i>	<i>Hectare/s</i>
<i>kg</i>	<i>Kilogram</i>
<i>GNI</i>	<i>Gross National Income</i>
<i>GVA</i>	<i>Gross Value Added</i>
<i>GDP</i>	<i>Gross Domestic Product</i>
<i>PDB</i>	<i>Private Development Bank</i>
<i>SMB</i>	<i>Savings and Mortgage Bank</i>
<i>SSLA</i>	<i>Stock Savings &amp; Loan Association</i>
<i>FOB</i>	<i>Freight on Board</i>
<i>CIF</i>	<i>Cost Insurance Freight</i>
<i>NFD</i>	<i>Net Food Disposable</i>
<i>CPH</i>	<i>Census of Population and Housing</i>



## AN OVERVIEW OF THE PHILIPPINE AGRICULTURAL ECONOMY

**Economic Performance.** In 2016, the country posted a 6.71 percent growth in Gross National Income (GNI). Gross Domestic Product (GDP) registered a 6.92 percent increment. Gross Value Added (GVA) in the agriculture and fishing sector recorded a decline of 1.23 percent. The sector accounted for 9 percent of the GDP.

**Production Performance in Agriculture.** Gross output in agriculture dropped by 1.40 percent in 2016. The crops subsector produced 3.31 percent less output this year. Palay and corn registered production losses of 2.88 percent and 3.99 percent, respectively. Continuing output reduction was manifested by negative growth rates in the production of onion at 32.35 percent, coffee at 4.84 percent and sugarcane at 2.42 percent. Production declines were also observed for other major crops such as garlic, calamansi, coconut, mango and banana.

The livestock subsector recorded a 4.59 percent gain in production. Except for goat, all livestock components came up with higher outputs. Specifically, hog and dairy production grew by 5.25 percent and 3.78 percent, respectively. The poultry subsector marked a 1.39 percent growth in production. There was an increase in chicken meat production by 0.82 percent, while there was a decrease in duck meat production by 5.08 percent. Egg production was up by 3.86 percent for chicken and 4.14 percent for duck.

Production in the fisheries subsector was down by 4.15 percent. While milkfish posted an output increase, declines were noted among the other major species such as yellowfin tuna, seaweed, roundscad, skipjack and tilapia.

**Prices.** On the average, prices received by farmers for their produce in 2016 were 1.84 percent higher than the 2015 levels. Among the crops, cereals registered a 0.19 percent drop in prices during the year. On the other hand, price increments were recorded for fruits at 21.54 percent, rootcrops and tubers at 16.05 percent, commercial crops at 15.45 percent, and vegetables and legumes at 13.58 percent. On the average, prices of livestock and poultry

contracted by 2.05 percent and 0.15 percent, respectively. Prices of fishery products were also down by 3.71 percent.

In the same year, prices paid by consumers for food and non-alcoholic beverages were up by an average of 2.48 percent.

**Agricultural Trade.** The country's export earnings from agricultural products increased by 1.49 percent and this accounted for 9 percent of the total exports. Coconut oil, fresh banana and pineapple and products were the leading agricultural export products. These contributed 50 percent to the total value of agricultural exports. Major export destinations were the Netherlands and the United States of America (USA) for coconut oil, Japan and China for fresh banana and USA for pineapple and pineapple products.

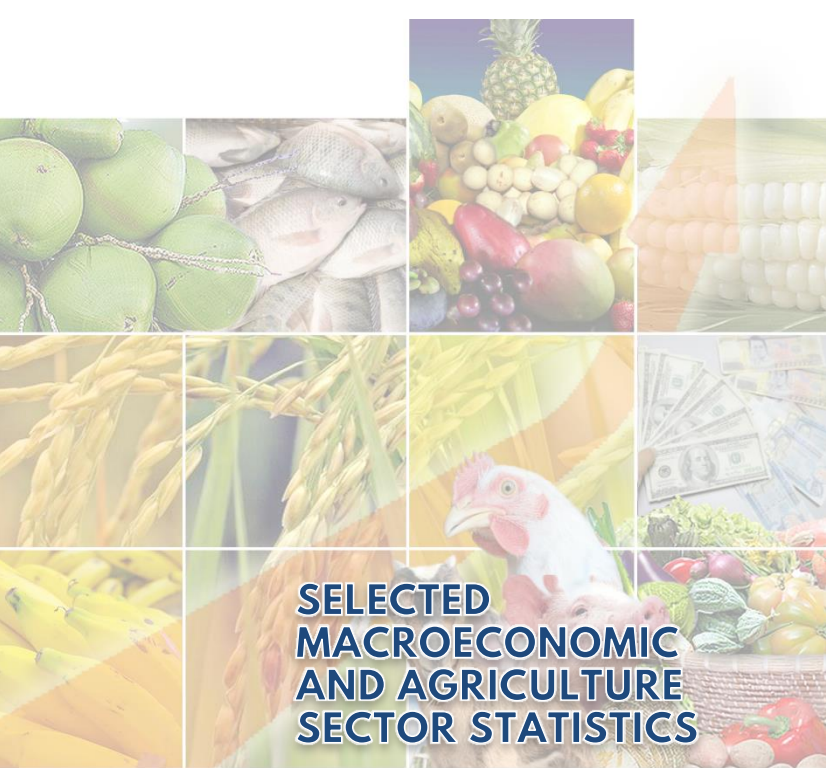
The expenditures for agricultural imports in 2016 expanded by 14.16 percent and these shared 15 percent in the country's total imports. Higher payments were recorded for wheat and meslin, soyabean oil/cake meal, and milk and cream and products. Collectively, these accounted for a share of about 23 percent in the total value of agricultural imports. The USA remained the country's top supplier of wheat and meslin, including soyabean oil/cake meal and milk and cream and products.

The country sustained an agricultural trade deficit in 2016. While it recorded an agricultural trade surplus with Japan, it continued to register deficits with the other major trading partners such as Australia, USA, ASEAN countries and the European Union.

**Employment.** In 2016, about 43.36 million persons were in the labor force and 95 percent were employed. The agriculture sector employed 11.06 million persons and this comprised 27 percent of the national employment.

**Agricultural Support Services.** Government expenditures for the agriculture sector amounted to P122.23 billion in 2016 and this amount was 22.49 percent higher than the previous year's record. Agricultural expenditures accounted for 4 percent of the total national expenditures.

In 2016, 1.86 million hectares of farmlands were irrigated nationwide. This was 59.32 percent of the total irrigable area.



**SELECTED  
MACROECONOMIC  
AND AGRICULTURE  
SECTOR STATISTICS**

# MACROECONOMIC & AGRICULTURE STATISTICS

**Table 1.1 MACROECONOMIC GROWTH INDICATORS,  
PHILIPPINES, 2012-2016**

(Value at constant 2000 prices)

ITEM	2012	2013	2014R	2015R	2016
<b>GNI</b> (million pesos)	7,559,511	8,152,210	8,640,203	9,143,238	9,756,831
<i>Growth Rate (%)</i>	7.11	7.84	5.99	5.82	6.71
<b>GDP</b> (million pesos)	6,305,229	6,750,631	7,165,478	7,600,175	8,126,403
<i>Growth Rate (%)</i>	6.68	7.06	6.15	6.07	6.92
<b>GVA IN AGRICULTURE EXCLUDING FORESTRY</b>					
(million pesos)	695,130	701,577	713,276	715,715	706,888
<i>Growth Rate (%)</i>					
<i>Agriculture Sector</i>	2.82	0.93	1.67	0.34	-1.23
<i>Crops</i>	4.27	0.11	2.41	-1.85	-3.18
<i>Livestock</i>	1.09	1.76	1.03	3.85	4.61
<i>Poultry</i>	4.60	4.23	0.38	5.66	1.31
<i>Fishing</i>	-0.38	0.75	-0.16	-1.77	-4.30
<i>Agricultural Activities and Services</i>	2.14	0.62	4.50	6.16	3.84

Source: PSA

**Table 1.1a PERFORMANCE OF AGRICULTURE BY SUBSECTOR,  
PHILIPPINES, 2012-2016**

(Value at constant 2000 prices)

ITEM	2012	2013	2014R	2015R	2016
<b>GROSS OUTPUT IN AGRICULTURE</b>					
(million pesos)	768,836	777,178	787,607	789,140	778,067
<i>Growth Rate (%)</i>	2.87	1.09	1.34	0.19	-1.40
<b>Crops</b> (million pesos)	396,342	396,200	405,583	397,546	384,397
<i>Growth Rate (%)</i>	4.05	-0.04	2.37	-1.98	-3.31
<b>Livestock</b> (million pesos)	124,041	126,216	127,538	132,427	138,504
<i>Growth Rate (%)</i>	1.11	1.75	1.05	3.83	4.59
<b>Poultry</b> (million pesos)	110,136	114,833	115,164	121,776	123,473
<i>Growth Rate (%)</i>	4.51	4.26	0.29	5.74	1.39
<b>Fisheries</b> (million pesos)	138,318	139,928	139,323	137,391	131,693
<i>Growth Rate (%)</i>	-0.05	1.16	-0.43	-1.39	-4.15

Source: PSA

**Table 1.2 POPULATION, LABOR FORCE AND EMPLOYMENT AND WAGE RATES INDICES, PHILIPPINES, 2012-2016**

ITEM	2012	2013	2014	2015	2016
<b>POPULATION</b> (million persons) <sup>1/</sup>	96.51	98.20	99.88	100.98	103.24
<b>LABOR FORCE</b> (million persons) <sup>2/</sup>	40.43	41.02	41.38	41.34	43.36
Employment	37.60	38.12	38.65	38.74	41.00
Agriculture	12.09	11.84	11.80	11.29	11.06
Unemployment	2.83	2.90	2.73	2.60	2.36
<b>WAGE RATE INDICES IN AGRICULTURE</b> (Without Meal) <sup>3/</sup>					
Nominal	133.70	141.00	150.70	161.80	---
Real	102.80	105.30	108.00	112.10	---

<sup>1/</sup> 2012 to 2014 and 2016 data are 2010 Census-based population projections;  
2015 Census of Population result

<sup>2/</sup> 2014 Labor Force data refer to the average of April, July and October survey rounds. The estimates exclude data of Leyte province.

<sup>3/</sup> 2006 as base year

Source: PSA

**Table 1.3 PESO EXCHANGE RATE, INFLATION RATE AND PURCHASING POWER, PHILIPPINES, 2012-2016**

ITEM	2012	2013	2014	2015	2016
<b>OFFICIAL EXCHANGE RATE</b> (Pesos per US dollar)	42.23	42.45	44.40	45.50	47.50
<b>HEADLINE INFLATION RATE (%)</b> <sup>4/</sup>	3.2	3.0	4.1	1.4	1.8
<b>PURCHASING POWER OF PESO</b>	0.77	0.75	0.72	0.71	0.69

<sup>4/</sup> 2006 as base year

Source: BSP

## MACROECONOMIC & AGRICULTURE STATISTICS

**Table 1.4 SHARE OF AGRICULTURE IN THE NATIONAL GOVERNMENT EXPENDITURES, PHILIPPINES, 2012-2016**

ITEM	2012	2013	2014	2015R	2016
<b>NATIONAL GOVERNMENT</b>					
(million pesos)	1,828,981	1,998,376	2,019,062	2,414,641	3,001,800
<b>AGRICULTURE</b>					
(million pesos)	88,186	94,166	86,807	99,788	122,233
<b>AGRICULTURE TO NATIONAL GOVERNMENT RATIO (%)</b>					
	4.82	4.71	4.30	4.13	4.07

Source: DBM

**Table 1.5 SUPPLY OF FERTILIZER (All Grades) BY SOURCE, PHILIPPINES, 2012-2016**

ITEM	2012	2013	2014	2015	2016
<b>TOTAL SUPPLY</b> ('000 mt)	2,277.4	1,208.7	2,710.6	---	---
<b>Production</b> ('000 mt)	981.9	335.8	388.7	---	---
Production to Total Supply Ratio (%)	43.1	27.8	14.3	---	---
<b>Import</b> ('000 mt)	1,295.5	872.9	2,321.9	---	---
Import to Total Supply Ratio (%)	56.9	72.2	85.7	---	---

Source: FPA

**Table 1.6 SHARE OF SERVICE AREA TO TOTAL IRRIGABLE AREA, PHILIPPINES, 2012-2016**

ITEM	2012	2013	2014	2015	2016
<b>SERVICE AREA</b> (million ha)	1.63	1.68	1.71	1.73	1.86
<b>SERVICE AREA TO TOTAL IRRIGABLE AREA RATIO (%)</b>					
	55.45	55.59	56.57	57.33	59.32

Source: NIA

**Table 1.7 AGRICULTURAL PRODUCTION LOANS BY COMMODITY AND SOURCES, PHILIPPINES, 2012-2016**

ITEM	2012	2013	2014	2015P	2016
<b>LOANS GRANTED BY COMMODITY</b> (million pesos)					
<b>FOOD</b>					
<b>COMMODITIES</b>	92,957.2	101,800.0	110,942.5	122,553.7	---
Cereals	45,711.4	50,864.9	56,229.0	64,447.3	---
<i>Palay</i>	40,078.7	44,313.5	48,979.0	55,672.3	---
<i>Corn</i>	5,509.7	6,421.2	7,112.7	8,551.8	---
<i>Sorghum</i>	36.1	37.7	39.1	54.9	---
<i>Soybeans and   Feedgrains</i>	86.8	92.5	98.3	168.3	---
Fruits, Vegetables and Rootcrops	8,780.4	9,673.8	10,610.9	11,778.1	---
Livestock and Poultry	32,677.8	35,139.0	37,598.4	39,644.6	---
Fisheries	5,787.5	6,122.3	6,504.3	6,683.6	---
<b>EXPORT AND COMMERCIAL</b>					
<b>COMMODITIES</b>	19,268.4	21,216.2	23,150.5	26,072.1	---
Abaca and Other Fibers	133.8	143.2	150.2	154.7	---
Coconut	5,619.1	5,984.1	6,134.1	6,427.9	---
Coffee and Cacao	323.1	332.4	341.9	353.3	---
Rubber	85.7	87.9	99.7	118.4	---
Sugarcane	11,342.0	12,749.9	14,338.4	16,699.4	---
Tobacco	1,764.8	1,918.7	2,086.3	2,318.3	---
<b>FORESTRY</b>	529.8	551.9	574.8	644.2	---
<b>OTHERS</b>	43,004.7	45,421.7	47,793.2	51,462.4	---
<b>SUB-TOTAL</b>	155,760.1	168,989.8	182,460.9	200,732.4	---
<b>OTHER LOANS SOURCED FROM</b>					
<b>SSLA</b>	13,866.0	14,534.1	16,375.4	17,161.9	---
<b>SMB</b>	23,382.0	25,014.0	25,628.9	27,418.9	---
<b>PDB</b>	18,413.0	19,333.7	22,198.6	22,822.3	---
<b>GRAND TOTAL</b>	211,421.1	227,871.5	246,663.8	268,135.5	---

Source: ACPC

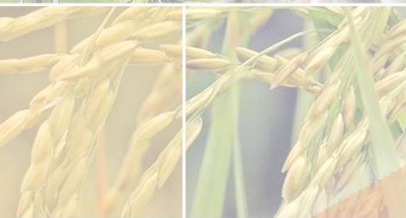
## MACROECONOMIC & AGRICULTURE STATISTICS

**Table 1.7a** SHARE OF AGRICULTURE IN THE TOTAL LOANS  
PHILIPPINES, 2012-2016

ITEM	2012	2013	2014	2015P	2016
<b>AGRICULTURAL PRODUCTION LOAN TO OUTPUT (GVA)</b>					
<b>RATIO (%)</b>	16.9	17.6	17.2	19.6	---
<b>AGRICULTURAL LOANS</b>					
(million pesos, at current prices)	669,595.7	721,728.4	778,250.0	832,588.0	---
<b>TOTAL LOANS</b>					
(million pesos, at current prices)	35,440,936.6	37,804,845.3	40,195,025.9	43,067,679.4	---
<b>AGRICULTURAL LOANS TO TOTAL LOANS GRANTED</b>					
<b>RATIO (%)</b>	1.9	1.9	1.9	1.9	---

Source: ACPC





**CROPS  
SUBSECTOR  
STATISTICS**

## CROPS STATISTICS

**Table 2.1 CROPS: VOLUME OF PRODUCTION,  
PHILIPPINES, 2012-2016**

ITEM	2012	2013	2014	2015	2016
			('000 mt)		
<b>TOTAL</b>	<b>88,008.1</b>	<b>85,739.4</b>	<b>87,007.9</b>	<b>84,324.6 R</b>	<b>81,631.9</b>
Palay	18,032.5	18,439.4	18,967.8	18,149.8	17,627.2
Corn	7,407.1	7,377.3	7,770.6	7,518.8	7,218.8
Coconut	15,863.8	15,354.3	14,696.3	14,735.2	13,825.1
Sugarcane	26,395.9	24,584.8	25,029.9	22,926.4	22,370.5
Banana	9,226.8	8,646.4	8,884.9	9,083.9	8,903.7
Pineapple	2,397.7	2,458.5	2,507.1	2,582.7	2,612.5
Coffee	88.9	78.6	75.5	72.3	68.8
Mango	768.4	816.4	885.0	902.7	814.1
Tobacco	48.1	53.8	61.4	56.2	56.5
Abaca	68.5	65.0	68.1	70.4	71.8
Peanut	29.1	29.1	29.2	29.2	27.9
Mongo	32.4	32.4	32.1	33.6	34.0
Cassava	2,223.2	2,361.6	2,540.3	2,714.3 R	2,755.1
Camote	516.9	528.2	519.9	536.0	529.5
Tomato	203.6	207.7	214.6	214.8	210.7
Garlic	8.8	9.0	9.0	10.4	7.5
Onion	124.9	134.2	203.7	181.2	122.6
Cabbage	126.4	127.5	128.0	125.8	123.1
Eggplant	211.9	219.9	225.6	232.9	235.6
Calamansi	178.5	164.1	160.7	162.7	118.2
Rubber	443.0	444.8	453.1	398.1	362.6
Others	3,611.7	3,606.4	3,545.3	3,587.1	3,535.9

**Table 2.2 CROPS: AREA PLANTED/HARVESTED, <sup>1/</sup>  
PHILIPPINES, 2012-2016**

ITEM	2012	2013	2014	2015	2016
			( <sup>000</sup> has)		
<b>TOTAL</b>	<b>13,354.9</b>	<b>13,346.4</b>	<b>13,354.1</b>	<b>13,229.2 R</b>	<b>13,091.2</b>
Palay	4,690.1	4,746.1	4,739.7	4656.2	4,556.0
Corn	2,593.9	2,563.7	2,611.4	2561.9	2,484.5
Coconut	3,574.6	3,551.3	3,502.0	3517.7	3,565.1
Sugarcane	433.3	437.1	432.0	421.3	410.1
Banana	454.3	446.0	442.8	443.4	442.9
Pineapple	58.5	60.8	61.6	62.8	65.2
Coffee	120.0	116.5	117.5	113.7	114.8
Mango	188.7	187.9	188.1	188.4	187.8
Tobacco	34.0	34.5	36.1	33.1	32.5
Abaca	138.5	138.4	134.8	134.2	134.4
Peanut	26.1	25.6	25.0	24.6	23.5
Mongo	44.4	43.6	43.0	41.5 R	41.3
Cassava	217.3	217.1	216.8	223.0	229.8
Camote	101.1	94.8	89.0	85.8	84.8
Tomato	17.3	17.2	16.7	16.2	16.2
Garlic	2.7	2.5	2.6	2.7	2.6
Onion	15.0	15.4	15.8	14.9	13.0
Cabbage	8.5	8.4	8.3	8.2	8.0
Eggplant	21.5	21.2	21.2	21.0	21.0
Calamansi	20.8	20.3	20.1	20.0	19.8
Rubber	176.2	185.5	217.7	222.6	223.3
Others	418.0	412.4	412.0	415.9	414.4

<sup>1/</sup> Area planted for permanent crops and area harvested for temporary crops.

## CROPS STATISTICS

**Table 2.3 CROPS: VALUE OF PRODUCTION, PHILIPPINES, 2012-2016**

ITEM	2012	2013	2014	2015	2016
	(million pesos, at current prices)				
<b>TOTAL</b>	<b>797,109.4</b>	<b>814,630.2</b>	<b>927,303.1R</b>	<b>858,416.1R</b>	<b>882,616.6</b>
Palay	292,127.0	314,760.9	378,218.5	311,995.7	304,598.8
Corn	94,143.9	90,150.5	100,551.6	92,480.7	85,326.4
Coconut	88,837.2	82,299.3	104,931.6	96,073.4	108,478.0
Sugarcane	42,497.4	40,073.3	41,299.3	43,101.7	44,517.4
Banana	107,584.1	117,158.9	130,696.3	136,349.8	147,704.5
Pineapple	17,455.6	17,480.1	19,730.9	20,945.7	23,564.5
Coffee	6,156.4	5,596.0	5,785.9	5,989.2	5,721.3
Mango	19,540.7	19,201.3	19,355.8	20,392.9	23,200.5
Tobacco	3,483.4	3,827.5	4,333.0	3,726.2	3,914.7
Abaca	2,710.3	2,445.4	2,948.1	3,315.9	4,222.8
Peanut	994.6	1,028.1	1,072.9	1,177.1	1,092.0
Mongo	1,478.7	1,476.9	1,619.7	1,824.0	1,672.3
Cassava	15,717.8	18,065.9	16,664.1	14,711.8	17,385.0
Camote	6,140.8	6,455.2	7,158.4	7,804.1	7,958.0
Tomato	2,823.9	2,984.2	2,439.7	2,888.7	3,310.4
Garlic	801.5	311.6	936.2	1,040.5	385.2
Onion	3,888.1	3,428.5	4,887.6	3,684.0	4,355.8
Cabbage	1,655.4	1,841.8	1,944.1	2,564.1	2,606.8
Eggplant	3,600.0	3,428.6	4,110.0	3,826.0	4,194.2
Calamansi	2,898.0	2,440.0	2,890.1	2,528.0	2,003.3
Rubber	21,609.1	17,605.6	11,416.9	8,102.1	8,630.5
Others	60,965.5	62,570.7	64,312.4	73,894.7	77,774.2

**Table 2.4 MAJOR CROPS: PERCENTAGE DISTRIBUTION OF PRODUCTION BY REGION, PHILIPPINES, 2016**

REGION	PALAY	CORN	COCO-NUT	SUGAR-CANE
<b>PHILIPPINES</b> ('000 mt)	<b>17,627.2</b>	<b>7,218.8</b>	<b>13,825.1</b>	<b>22,370.5</b>
<b>LUZON (%)</b>	<b>60.28</b>	<b>43.17</b>	<b>25.87</b>	<b>14.62</b>
CAR	2.17	2.76	0.01	0.19
Ilocos Region	10.24	7.04	0.29	0.09
Cagayan Valley	13.23	23.26	0.56	2.51
Central Luzon	18.96	3.60	0.73	3.22
CALABARZON	2.31	1.34	10.98	7.44
MIMAROPA	6.13	1.59	5.49	0.00
Bicol Region	7.24	3.59	7.82	1.18
<b>VISAYAS (%)</b>	<b>14.61</b>	<b>4.65</b>	<b>11.90</b>	<b>69.68</b>
Western Visayas	8.19	2.13	2.25	8.35
Central Visayas	1.00	1.40	1.89	1.49
Eastern Visayas	5.42	1.13	7.76	1.49
Negros Island Region	2.88	2.58	1.93	58.35
<b>MINDANAO (%)</b>	<b>22.22</b>	<b>49.60</b>	<b>60.30</b>	<b>15.69</b>
Zamboanga Peninsula	3.30	3.59	11.07	a/
Northern Mindanao	4.04	16.94	13.04	12.37
Davao Region	2.37	3.03	13.70	1.21
SOCCSKSARGEN	6.81	15.85	6.93	1.96
Caraga	2.62	2.00	5.61	a/
ARMM	3.09	8.18	9.96	0.16

a/ Less than 0.01

## CROPS STATISTICS

**Table 2.4a MAJOR CROPS: PERCENTAGE DISTRIBUTION OF PRODUCTION BY REGION, PHILIPPINES, 2016**

REGION	PINE-APPLE	BANANA	MANGO	COFFEE
<b>PHILIPPINES</b> ('000 mt)	<b>2,612.5</b>	<b>8,903.7</b>	<b>814.1</b>	<b>68.8</b>
<b>LUZON</b> (%)	<b>10.28</b>	<b>8.51</b>	<b>49.46</b>	<b>13.25</b>
CAR	0.03	0.29	0.38	5.43
Ilocos Region	0.01	0.47	25.72	0.26
Cagayan Valley	1.33	3.98	7.48	1.12
Central Luzon	0.06	0.56	7.62	1.72
CALABARZON	3.54	1.25	6.20	4.09
MIMAROPA	0.02	1.10	1.84	0.24
Bicol Region	5.28	0.86	0.23	0.39
<b>VISAYAS</b> (%)	<b>0.82</b>	<b>6.21</b>	<b>11.16</b>	<b>5.50</b>
Western Visayas	0.48	2.25	4.76	5.31
Central Visayas	0.03	1.42	6.34	0.08
Eastern Visayas	0.31	2.55	0.06	0.10
Negros Island Region	0.29	1.71	3.23	1.21
<b>MINDANAO</b> (%)	<b>88.61</b>	<b>83.57</b>	<b>36.16</b>	<b>80.04</b>
Zamboanga Peninsula	0.05	2.93	14.12	1.13
Northern Mindanao	58.06	20.94	6.23	8.14
Davao Region	1.01	39.08	6.48	16.61
SOCCSKSARGEN	29.35	11.51	5.76	36.47
Caraga	0.11	3.12	2.10	2.66
ARMM	0.03	5.99	1.46	15.03

**Table 2.5** PALAY: PRODUCTION, AREA HARVESTED AND YIELD PER HECTARE, BY ECOSYSTEM, BY SEMESTER, PHILIPPINES, 2012-2016

ITEM	2012	2013	2014	2015	2016
<b>PRODUCTION</b> (million mt)					
<b>TOTAL</b>	<b>18.03</b>	<b>18.44</b>	<b>18.97</b>	<b>18.15</b>	<b>17.63</b>
<i>Irrigated</i>	13.40	13.82	14.41	13.94	13.54
<i>Rainfed</i>	4.64	4.62	4.56	4.21	4.09
<b>JANUARY-JUNE</b>	<b>7.89</b>	<b>8.00</b>	<b>8.38</b>	<b>8.32</b>	<b>7.65</b>
<i>Irrigated</i>	6.37	6.56	6.87	6.92	6.48
<i>Rainfed</i>	1.52	1.43	1.51	1.40	1.17
<b>JULY-DECEMBER</b>	<b>10.14</b>	<b>10.44</b>	<b>10.59</b>	<b>9.83</b>	<b>9.98</b>
<i>Irrigated</i>	7.02	7.26	7.54	7.02	7.06
<i>Rainfed</i>	3.12	3.18	3.05	2.81	2.92
<b>AREA HARVESTED</b> (million ha)					
<b>TOTAL</b>	<b>4.69</b>	<b>4.75</b>	<b>4.74</b>	<b>4.66</b>	<b>4.56</b>
<i>Irrigated</i>	3.16	3.24	3.25	3.23	3.18
<i>Rainfed</i>	1.53	1.51	1.49	1.42	1.37
<b>JANUARY-JUNE</b>	<b>2.04</b>	<b>2.04</b>	<b>2.10</b>	<b>2.06</b>	<b>1.93</b>
<i>Irrigated</i>	1.49	1.53	1.54	1.53	1.47
<i>Rainfed</i>	0.55	0.52	0.56	0.53	0.46
<b>JULY-DECEMBER</b>	<b>2.65</b>	<b>2.70</b>	<b>2.64</b>	<b>2.59</b>	<b>2.63</b>
<i>Irrigated</i>	1.67	1.71	1.72	1.70	1.71
<i>Rainfed</i>	0.98	0.99	0.92	0.89	0.92
<b>YIELD PER HECTARE</b> (mt)					
<b>TOTAL</b>	<b>3.84</b>	<b>3.89</b>	<b>4.00</b>	<b>3.90</b>	<b>3.87</b>
<i>Irrigated</i>	4.24	4.27	4.43	4.31	4.26
<i>Rainfed</i>	3.04	3.06	3.07	2.96	2.97
<b>JANUARY-JUNE</b>	<b>3.88</b>	<b>3.91</b>	<b>3.99</b>	<b>4.04</b>	<b>3.96</b>
<i>Irrigated</i>	4.28	4.30	4.47	4.51	4.40
<i>Rainfed</i>	2.78	2.77	2.69	2.65	2.55
<b>JULY-DECEMBER</b>	<b>3.82</b>	<b>3.86</b>	<b>4.01</b>	<b>3.79</b>	<b>3.80</b>
<i>Irrigated</i>	4.20	4.24	4.39	4.13	4.13
<i>Rainfed</i>	3.18	3.21	3.30	3.14	3.18

# CROPS STATISTICS

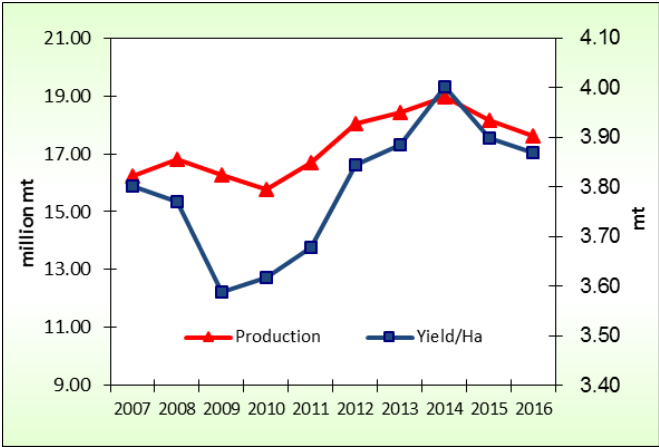


Figure 1. Palay: Production and Yield per Hectare, Philippines, 2007-2016



**Table 2.6 CORN: PRODUCTION, AREA HARVESTED AND YIELD PER HECTARE, BY CROPTYPE, BY SEMESTER, PHILIPPINES, 2012-2016**

ITEM	2012	2013	2014	2015	2016
<b>PRODUCTION</b> (million mt)					
<b>TOTAL</b>	<b>7.41</b>	<b>7.38</b>	<b>7.77</b>	<b>7.52</b>	<b>7.22</b>
<i>White</i>	2.17	2.13	2.26	2.13	2.02
<i>Yellow</i>	5.24	5.25	5.51	5.38	5.20
<b>JANUARY-JUNE</b>	<b>3.47</b>	<b>3.32</b>	<b>3.48</b>	<b>3.38</b>	<b>2.83</b>
<i>White</i>	0.89	0.79	0.81	0.76	0.52
<i>Yellow</i>	2.58	2.54	2.67	2.62	2.31
<b>JULY-DECEMBER</b>	<b>3.94</b>	<b>4.05</b>	<b>4.29</b>	<b>4.14</b>	<b>4.39</b>
<i>White</i>	1.28	1.34	1.46	1.37	1.51
<i>Yellow</i>	2.66	2.71	2.83	2.76	2.88
<b>AREA HARVESTED</b> (million ha)					
<b>TOTAL</b>	<b>2.59</b>	<b>2.56</b>	<b>2.61</b>	<b>2.56</b>	<b>2.48</b>
<i>White</i>	1.31	1.28	1.29	1.27	1.17
<i>Yellow</i>	1.28	1.29	1.32	1.30	1.31
<b>JANUARY-JUNE</b>	<b>1.11</b>	<b>1.08</b>	<b>1.10</b>	<b>1.05</b>	<b>0.90</b>
<i>White</i>	0.50	0.47	0.46	0.44	0.35
<i>Yellow</i>	0.61	0.60	0.63	0.60	0.55
<b>JULY-DECEMBER</b>	<b>1.48</b>	<b>1.49</b>	<b>1.52</b>	<b>1.52</b>	<b>1.58</b>
<i>White</i>	0.81	0.81	0.83	0.82	0.83
<i>Yellow</i>	0.67	0.68	0.69	0.69	0.76
<b>YIELD PER HECTARE</b> (mt)					
<b>TOTAL</b>	<b>2.86</b>	<b>2.88</b>	<b>2.98</b>	<b>2.93</b>	<b>2.91</b>
<i>White</i>	1.65	1.67	1.75	1.69	1.72
<i>Yellow</i>	4.09	4.08	4.17	4.15	3.97
<b>JANUARY-JUNE</b>	<b>3.12</b>	<b>3.09</b>	<b>3.18</b>	<b>3.24</b>	<b>3.14</b>
<i>White</i>	1.77	1.68	1.74	1.72	1.48
<i>Yellow</i>	4.24	4.19	4.23	4.36	4.18
<b>JULY-DECEMBER</b>	<b>2.66</b>	<b>2.72</b>	<b>2.83</b>	<b>2.73</b>	<b>2.77</b>
<i>White</i>	1.58	1.66	1.76	1.67	1.82
<i>Yellow</i>	3.95	3.99	4.11	3.98	3.81

# CROPS STATISTICS

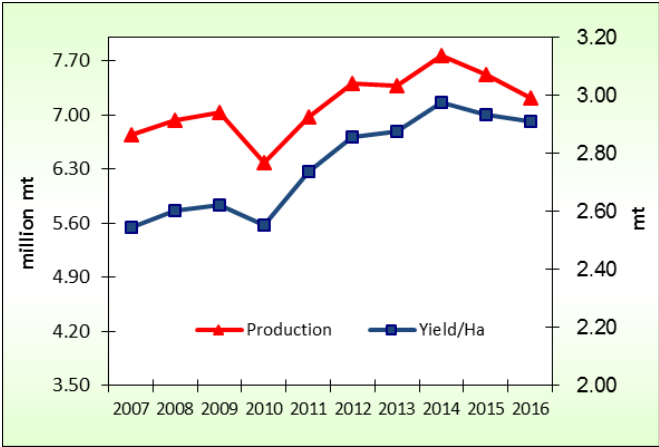
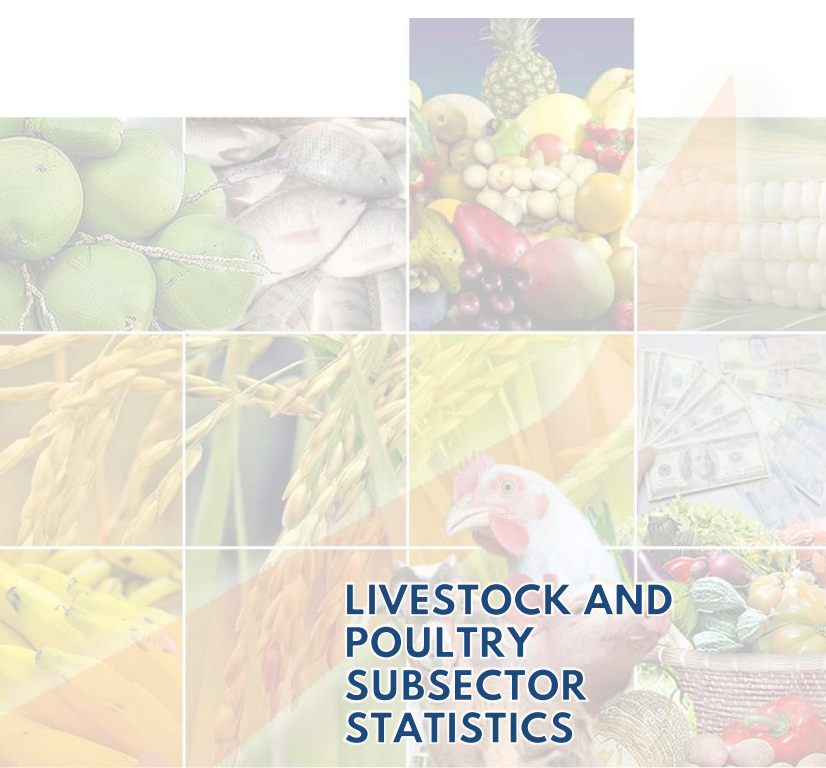


Figure 2. Corn: Production and Yield per Hectare, Philippines, 2007-2016



**LIVESTOCK AND  
POULTRY  
SUBSECTOR  
STATISTICS**

## LIVESTOCK & POULTRY STATISTICS

**Table 3.1 LIVESTOCK AND POULTRY: VOLUME OF PRODUCTION BY TYPE, PHILIPPINES, 2012-2016**

ITEM	2012	2013	2014	2015	2016
	('000 mt)				
<b>LIVESTOCK</b> (liveweight)	<b>2,464.5</b>	<b>2,507.0</b>	<b>2,532.5</b>	<b>2,627.1</b>	<b>2,745.4</b>
Carabao	142.7	141.5	143.0	142.0	144.7
Cattle	254.0	258.5	261.3	266.9	270.4
Hog	1,973.6	2,012.2	2,032.3	2,120.3	2,231.7
Goat	75.7	75.4	76.1	77.5	77.5
Dairy	18.5	19.5	19.7	20.4	21.2
<b>POULTRY</b> (liveweight)	<b>1,513.3</b>	<b>1,589.5</b>	<b>1,606.4</b>	<b>1,694.8</b>	<b>1,706.7</b>
Chicken	1,479.4	1,555.1	1,571.8	1,660.8	1,674.5
Duck	33.8	34.5	34.6	33.9	32.2
<b>Egg</b>	<b>460.8</b>	<b>468.8</b>	<b>457.2</b>	<b>487.0</b>	<b>505.9</b>
Chicken	421.1	427.7	415.7	444.6	461.7
Duck	39.7	41.1	41.5	42.4	44.2

**Table 3.2 LIVESTOCK AND POULTRY: VALUE OF PRODUCTION, BY TYPE, PHILIPPINES, 2012-2016**

ITEM	2012	2013	2014	2015	2016
	(million pesos, at current prices)				
<b>LIVESTOCK</b> (liveweight)	<b>214,082.9</b>	<b>233,997.8</b>	<b>247,776.2 R</b>	<b>251,991.6 R</b>	<b>258,486.8</b>
Carabao	9,966.1	10,335.1	10,740.4	11,100.6	11,341.9
Cattle	21,438.5	22,530.0	23,641.5	24,594.6	25,878.7
Hog	174,408.8	192,484.2	204,124.5	206,711.3	211,427.5
Goat	7,708.2	8,054.9	8,648.2	8,931.9	9,123.3
Dairy	561.3	593.7	621.5	653.3	715.4
<b>POULTRY</b> (liveweight)	<b>168,231.4</b>	<b>177,991.2</b>	<b>191,516.4 R</b>	<b>195,245.2 R</b>	<b>202,803.2</b>
Chicken	124,878.7	133,177.1	144,900.7	145,935.9	149,801.2
Duck	2,577.0	2,662.6	2,806.8	2,835.4	2,695.8
Chicken eggs	37,588.9	38,629.0	40,147.7	42,694.9	46,222.7
Duck eggs	3,186.8	3,522.6	3,661.2	3,779.0	4,083.5

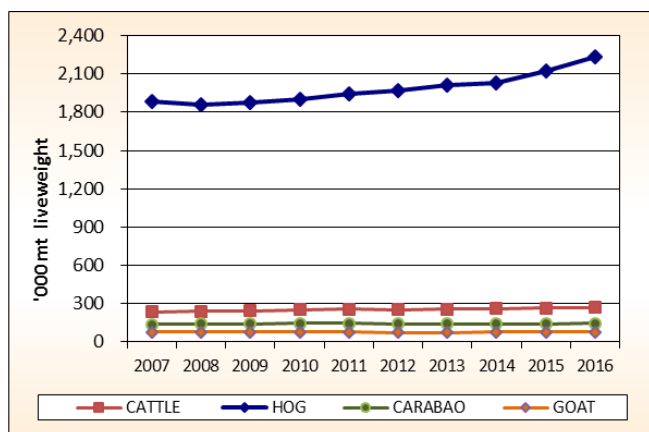


Figure 3a. Livestock: Volume of Production by Type, Philippines, 2007-2016

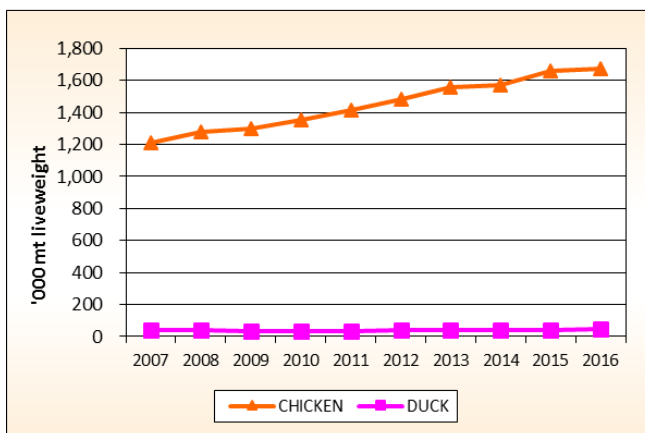


Figure 3b. Poultry: Volume of Production by Type, Philippines, 2007-2016

## LIVESTOCK & POULTRY STATISTICS

**Table 3.3 LIVESTOCK AND POULTRY: INVENTORY BY TYPE, PHILIPPINES, AS OF JANUARY 1, 2012-2017**

ITEM	2012	2013	2014	2015	2016	2017
<b>LIVESTOCK</b> ('000 head)						
Carabao	2,964	2,913	2,847	2,855	2,877	2,882
<i>Dairy</i>	15.7	16.4	16.8	17.3	17.8	18.8
Cattle	2,493	2,498	2,512	2,534	2,554	2,548
<i>Dairy</i>	19.3	21.1	21.6	22.5	24.5	25.7
Hog	11,863	11,843	11,802	12,000	12,479	12,428
Goat	3,715	3,694	3,696	3,674	3,663	3,711
<i>Dairy</i>	1.6	1.6	1.9	2.0	2.1	2.4
<b>POULTRY</b> ('000 birds)						
Chicken	164,192	166,386	167,671	176,469	178,793	175,317
<i>Broiler</i>	57,284	59,196	61,582	66,617	65,713	62,444
<i>Layer</i>	31,524	32,003	30,007	31,254	32,227	34,474
<i>Native</i> <sup>1/</sup>	75,384	75,188	76,082	78,598	80,853	78,399
Duck	10,011	10,135	9,886	10,067	10,519	10,842

<sup>1/</sup> Includes gamefowls in the backyard

**Table 3.4 LIVESTOCK AND POULTRY: TOTAL NUMBER OF HEAD/BIRDS SLAUGHTERED/DRESSED BY TYPE, PHILIPPINES, 2012-2016**

ITEM	2012	2013	2014	2015	2016
<b>NUMBER OF ANIMALS SLAUGHTERED</b> ('000 head)					
Carabao	462	457	461	454	465
Cattle	831	844	859	877	894
Hog	24,500	24,919	25,061	25,843	26,730
Goat	3,101	3,118	3,161	3,240	3,266
<b>NUMBER OF BIRDS DRESSED</b> ('000 birds)					
Chicken <sup>2/</sup>	888,938	945,120	969,973	1,033,155	1,051,202
Duck	15,075	15,396	15,417	16,062	16,061

<sup>2/</sup> Consists of dressed broiler, native chicken and culled layers only

**Table 3.5 LIVESTOCK: PERCENTAGE DISTRIBUTION OF PRODUCTION BY REGION, PHILIPPINES, 2016**

REGION	CARABAO	CATTLE	HOG	GOAT
<b>PHILIPPINES</b> ('000 mt)	<b>144.7</b>	<b>270.4</b>	<b>2,231.7</b>	<b>77.5</b>
<b>LUZON (%)</b>	<b>36.32</b>	<b>45.89</b>	<b>54.35</b>	<b>40.76</b>
CAR	2.15	1.60	1.18	1.09
Ilocos Region	7.12	10.27	3.88	13.77
Cagayan Valley	7.39	5.59	3.20	2.18
Central Luzon	4.68	6.95	20.72	11.42
CALABARZON	5.03	10.60	16.36	4.90
MIMAROPA	4.26	4.61	3.57	3.22
Bicol Region	5.69	6.28	5.45	4.19
<b>VISAYAS (%)</b>	<b>28.31</b>	<b>19.16</b>	<b>19.73</b>	<b>22.24</b>
Western Visayas	9.03	7.35	6.02	5.95
Negros Island Region	8.33	3.92	4.06	7.07
Central Visayas	3.39	7.03	6.22	8.22
Eastern Visayas	7.55	0.85	3.42	1.00
<b>MINDANAO (%)</b>	<b>35.37</b>	<b>34.96</b>	<b>25.92</b>	<b>37.00</b>
Zamboanga Peninsula	5.26	4.15	3.59	4.37
Northern Mindanao	6.64	14.57	7.96	10.01
Davao Region	9.11	4.74	6.68	8.01
SOCCSKSARGEN	7.49	6.99	5.33	7.41
Caraga	1.81	0.62	1.90	1.21
ARMM	5.06	3.88	0.46	5.99

## LIVESTOCK & POULTRY STATISTICS

**Table 3.6 POULTRY: PERCENTAGE DISTRIBUTION OF PRODUCTION BY REGION, PHILIPPINES, 2016**

REGION	CHICKEN	CHICKEN EGGS	DUCK	DUCK EGGS
<b>PHILIPPINES</b> ('000 mt)	<b>1,674.5</b>	<b>461.7</b>	<b>32.2</b>	<b>44.2</b>
<b>LUZON</b> (%)	<b>66.82</b>	<b>61.19</b>	<b>60.03</b>	<b>60.90</b>
CAR	0.45	0.76	2.39	1.67
Ilocos Region	4.70	3.05	6.16	2.96
Cagayan Valley	3.62	2.67	6.86	7.17
Central Luzon	35.29	20.26	38.45	39.65
CALABARZON	19.61	30.38	1.81	5.32
MIMAROPA	0.62	1.17	1.00	1.05
Bicol Region	2.52	2.90	3.37	3.08
<b>VISAYAS</b> (%)	<b>13.85</b>	<b>17.45</b>	<b>13.75</b>	<b>12.52</b>
Western Visayas	3.83	4.16	7.43	6.18
Negros Island Region	2.81	3.15	2.85	4.97
Central Visayas	5.04	9.60	0.21	0.24
Eastern Visayas	2.17	0.54	3.26	1.13
<b>MINDANAO</b> (%)	<b>19.33</b>	<b>21.36</b>	<b>26.22</b>	<b>26.58</b>
Zamboanga Peninsula	1.80	2.39	1.01	2.67
Northern Mindanao	9.13	9.33	5.76	9.64
Davao Region	4.30	5.52	3.57	2.70
SOCCSKSARGEN	2.98	2.35	12.81	7.90
Caraga	0.83	1.03	0.57	1.35
ARMM	0.30	0.73	2.50	2.33





**FISHERIES  
SUBSECTOR  
STATISTICS**

## FISHERIES STATISTICS

**Table 4.1 FISHERIES: VOLUME OF PRODUCTION, PHILIPPINES, 2012-2016**

ITEM	2012	2013	2014	2015	2016
	('000 mt)				
<b>TOTAL</b>	<b>4,865.1</b>	<b>4,705.4</b>	<b>4,689.1</b>	<b>4,649.3</b>	<b>4,355.8</b>
<b>Commercial</b>	<b>1,042.3</b>	<b>1,067.6</b>	<b>1,107.2</b>	<b>1,084.6</b>	<b>1,016.9</b>
<b>Municipal</b>	<b>1,280.8</b>	<b>1,264.4</b>	<b>1,244.3</b>	<b>1,216.5</b>	<b>1,137.9</b>
Marine	1,083.4	1,062.1	1,029.4	1,011.8	976.9
Inland	197.4	202.3	214.9	204.7	161.0
<b>Aquaculture</b>	<b>2,542.0</b>	<b>2,373.4</b>	<b>2,337.6</b>	<b>2,348.2</b>	<b>2,200.9</b>
Brackishwater Fishpond <sup>1/</sup>	320.2	327.4	322.7	325.6	340.6
Freshwater Fishcage/pen	165.4	170.5	150.4	155.6	154.2
Freshwater Fishpond <sup>2/</sup>	144.7	148.3	148.9	147.6	145.7
Marine Fishcage/pen	114.3	123.8	125.0	116.8	117.6
Others	1,797.4	1,603.4	1,590.6	1,602.6	1,442.8
Oyster	20.6	22.1	22.3	20.3	19.5
Mussel	25.7	22.9	18.8	15.9	18.8
Seaweed	1,751.1	1,558.4	1,549.5	1,566.4	1,404.5

<sup>1/</sup> Includes brackishwater pen/cage

<sup>2/</sup> Includes small farm reservoir and rice fish

**Table 4.2 FISHERIES: VALUE OF PRODUCTION, PHILIPPINES, 2012-2016**

ITEM	2012	2013	2014	2015	2016
	(million pesos, at current prices)				
<b>TOTAL</b>	<b>237,711.4</b>	<b>244,551.7</b>	<b>241,943.8</b>	<b>239,702.4</b>	<b>228,934.1</b>
<b>Commercial</b>	<b>65,894.2</b>	<b>69,922.5</b>	<b>66,189.8</b>	<b>64,875.3</b>	<b>58,866.6</b>
<b>Municipal</b>	<b>79,527.3</b>	<b>80,898.0</b>	<b>81,805.0</b>	<b>81,486.2</b>	<b>78,925.6</b>
Marine	70,982.7	71,909.3	71,925.1	71,718.0	71,131.6
Inland	8,544.6	8,988.7	9,879.9	9,768.2	7,794.0
<b>Aquaculture</b>	<b>92,289.9</b>	<b>93,731.2</b>	<b>93,949.0</b>	<b>93,340.9</b>	<b>91,141.9</b>

**Table 4.3 FISHERIES: PERCENTAGE DISTRIBUTION OF PRODUCTION BY REGION, PHILIPPINES, 2016**

REGION	MARINE	INLAND	AQUA-CULTURE
<b>PHILIPPINES</b> (000 mt)	<b>1,993.9</b>	<b>161.0</b>	<b>2,200.9</b>
<b>LUZON</b> (%)	<b>32.48</b>	<b>63.01</b>	<b>41.47</b>
NCR - Metro Manila	6.17	-	0.13
CAR	-	0.77	0.14
Ilocos Region	1.34	1.10	5.85
Cagayan Valley	1.59	5.83	0.56
Central Luzon	1.63	8.66	10.27
CALABARZON	4.47	42.86	7.86
MIMAROPA	8.29	0.95	14.36
Bicol Region	8.99	2.84	2.30
<b>VISAYAS</b> (%)	<b>19.91</b>	<b>4.76</b>	<b>14.38</b>
Western Visayas	10.23	4.23	8.46
Central Visayas	4.30	0.10	4.46
Eastern Visayas	5.38	0.43	1.46
<b>MINDANAO</b> (%)	<b>47.61</b>	<b>32.23</b>	<b>44.15</b>
Zamboanga Peninsula	17.40	0.61	9.43
Northern Mindanao	4.05	2.53	3.73
Davao Region	1.43	0.11	1.33
SOCCSKSARGEN	12.90	13.39	0.60
Caraga	2.85	2.76	0.68
ARMM	8.98	12.84	28.38

## FISHERIES STATISTICS

**Table 4.4 FISHERIES: VOLUME OF PRODUCTION BY MAJOR SPECIES, PHILIPPINES, 2012-2016**

SECTOR/ MAJOR SPECIES	2012	2013	2014	2015	2016
	('000 mt)				
<b>MARINE SPECIES</b>	<b>2,125.7</b>	<b>2,129.7</b>	<b>2,136.6</b>	<b>2,096.4</b>	<b>1,993.9</b>
Indian sardines	246.0	229.2	256.1	290.7	280.5
Roundscad	233.5	270.8	260.6	225.1	211.8
Skipjack	206.5	212.2	233.9	233.5	220.1
Yellowfin tuna	125.3	130.1	139.9	143.4	103.0
Frigate tuna	131.7	134.2	134.1	137.7	133.9
Fimbriated sardines	95.5	89.1	93.3	83.8	76.6
Big-eyed scad	114.9	117.1	116.4	116.8	112.8
Indian mackerel	78.8	85.2	78.2	74.1	63.3
Anchovies	71.2	68.4	71.9	64.0	55.8
Squid	54.9	57.2	55.7	53.0	52.1
Slipmouth	57.0	50.8	50.6	48.1	48.6
Eastern little tuna	35.8	36.1	35.5	34.7	36.9
Indo-pacific mackerel	46.6	43.2	39.6	38.9	38.3
Threadfin bream	46.3	42.1	38.8	39.2	39.7
Crevalle	37.8	37.3	35.8	35.3	35.3
Blue crab	26.1	26.2	27.2	25.9	28.3
Cavalla	31.7	29.8	28.0	28.9	25.1
Flying fish	21.9	20.5	19.4	18.5	17.2
Siganid	26.1	28.2	26.4	25.5	23.7
Snapper	20.2	20.4	18.5	17.2	15.8
Bigeye tuna	12.5	11.8	11.2	10.9	15.2
Other species	405.7	389.6	365.5	351.2	359.8
<b>AQUACULTURE SPECIES</b>	<b>2,542.0</b>	<b>2,373.4</b>	<b>2,337.6</b>	<b>2,348.2</b>	<b>2,200.9</b>
Seaweed	1,751.1	1,558.4	1,549.6	1,566.4	1,404.5
Milkfish	386.7	401.1	390.2	384.4	398.1
Tilapia	260.5	268.8	259.2	261.2	259.0
Tiger prawn	48.2	49.5	47.8	49.5	49.1
Carp	17.7	18.3	16.8	16.9	16.8
Oyster	20.6	22.1	22.4	20.3	19.5
Mussel	25.7	22.9	18.8	16.0	18.8

**Table 4.4 FISHERIES: VOLUME OF PRODUCTION ..(Concluded)**

SECTOR/ MAJOR SPECIES	2012	2013	2014	2015	2016
	('000 mt)				
Mud crab	16.4	15.8	16.2	16.2	16.9
Catfish	3.6	3.8	3.6	3.6	3.7
Other species	11.5	12.7	13.1	13.7	14.4
<b>INLAND SPECIES</b>	<b>197.4</b>	<b>202.3</b>	<b>214.9</b>	<b>204.7</b>	<b>161.0</b>
Snail	55.2	55.2	51.8	50.8	47.6
Tilapia	47.4	48.9	54.2	50.5	41.7
Carp	14.7	15.4	15.6	14.4	13.1
Mudfish	10.7	10.9	11.2	11.7	8.8
Gourami	6.6	6.8	6.4	5.7	4.3
Freshwater goby	5.4	5.3	5.7	4.0	3.3
Freshwater catfish (Hito)	5.8	6.2	6.2	6.3	5.7
Freshwater shrimp	5.3	5.4	5.4	5.2	3.1
Freshwater catfish (Kanduli)	1.9	1.9	1.8	2.0	1.8
Other fish species	29.7	32.8	43.5	42.0	20.3
Other crustaceans	5.4	5.0	5.4	5.2	4.9
Other molluscs	9.3	8.5	7.7	6.9	6.4

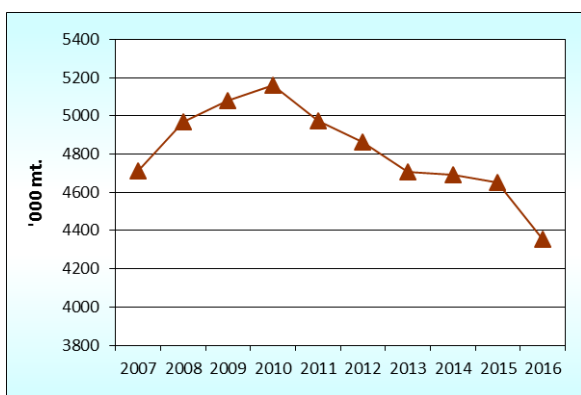


Figure 4. Fisheries: Volume of Production, Philippines, 2007-2016

## FISHERIES STATISTICS

**Table 4.5 AQUACULTURE: VALUE OF PRODUCTION BY CULTURE ENVIRONMENT AND SPECIES, PHILIPPINES, 2012-2016**

ENVIRONMENT/ SPECIES	2012	2013	2014	2015	2016
	(million pesos, at current prices)				
<b>ALL TYPES OF ENVIRONMENT</b>	<b>92,289.9</b>	<b>93,731.2</b>	<b>93,949.0</b>	<b>93,340.9</b>	<b>91,141.9</b>
Brackishwater					
Fishpond <sup>1/</sup>	46,491.3	48,552.4	48,713.7	50,661.9	52,110.1
Freshwater					
Fishcage/pen	11,713.4	11,407.3	10,534.9	10,882.8	10,375.4
Freshwater					
Fishpond <sup>2/</sup>	9,967.8	10,862.8	11,138.7	11,025.6	10,184.5
Marine					
Fishcage/pen	13,917.4	12,568.0	12,641.7	12,059.0	11,890.0
Others <sup>3/</sup>	10,200.0	10,340.7	10,920.0	8,711.6	6,581.9
<b>ALL SPECIES</b>	<b>92,289.9</b>	<b>93,731.2</b>	<b>93,949.0</b>	<b>93,340.9</b>	<b>91,142.0</b>
Seaweed	9,776.3	9,903.2	10,517.7	8,315.3	6,104.7
Milkfish	34,847.4	35,358.7	35,606.8	35,143.5	3,5042.3
Tilapia	18,506.0	19,215.6	19,395.4	19,390.2	18,329.4
Tiger prawn	18,968.4	19,718.9	19,299.1	20,788.9	20,926.0
Mussel	266.1	252.6	222.7	215.4	273.8
Oyster	157.6	170.9	179.5	180.9	203.4
Carp	563.7	612.4	468.2	538.1	413.6
Mud crab	4,822.4	4,799.9	5,135.3	5,380.7	6,255.4
Catfish	338.2	359.3	344.2	364.7	387.9
Other species	4,043.8	3,339.7	2,780.1	3,023.2	3,205.5

<sup>1/</sup> Includes brackishwater pen/cage

<sup>2/</sup> Includes small farm reservoir and rice fish

<sup>3/</sup> Others include seaweeds, mussels and oyster



**PRODUCTION  
COSTS AND  
RETURNS**

## PRODUCTION COSTS AND RETURNS

**Table 5.1 ALL PALAY: PRODUCTION COSTS AND RETURNS BY SEASON, PHILIPPINES, 2016**

ITEM	DRY	WET	AVERAGE
	(pesos per hectare)		
Gross Returns	68,100	67,171	67,436
Cash Costs	21,096	20,935	21,059
Non-Cash Costs	14,796	15,549	15,196
Imputed Costs	10,793	11,854	11,370
Total Costs	46,685	48,338	47,625
Net Returns	21,415	18,833	19,811
.....			
Net Profit-Cost Ratio	0.46	0.39	0.42
Cost Per Kilogram ( <i>pesos</i> )	11.78	12.72	12.31

**Table 5.1a IRRIGATED PALAY: PRODUCTION COSTS AND RETURNS BY SEASON, PHILIPPINES, 2016**

ITEM	DRY	WET	AVERAGE
	(pesos per hectare)		
Gross Returns	75,661	73,006	74,188
Cash Costs	23,964	23,431	23,746
Non-Cash Costs	16,233	16,481	16,046
Imputed Costs	10,926	12,046	11,516
Total Costs	51,123	51,958	51,308
Net Returns	24,538	21,048	22,880
.....			
Net Profit-Cost Ratio	0.48	0.41	0.45
Cost Per Kilogram ( <i>pesos</i> )	11.61	12.58	12.05



**Table 5.1b NON-IRRIGATED PALAY: PRODUCTION COSTS AND RETURNS BY SEASON, PHILIPPINES, 2016**

ITEM	DRY	WET	AVERAGE
	(pesos per hectare)		
Gross Returns	43,795	56,296	51,815
Cash Costs	14,722	16,911	16,052
Non-Cash Costs	10,850	13,972	12,646
Imputed Costs	10,521	11,536	11,107
Total Costs	36,093	42,419	39,805
Net Returns	7,702	13,877	12,010
.....			
Net Profit-Cost Ratio	0.21	0.33	0.30
Cost Per Kilogram ( <i>pesos</i> )	14.16	13.32	13.39

**Table 5.2 CORN: PRODUCTION COSTS AND RETURNS BY TYPE, PHILIPPINES, 2016**

ITEM	WHITE	YELLOW	ALL
	(pesos per hectare)		
Gross Returns	21,189	46,712	34,664
Cash Costs	6,481	28,489	14,622
Non-Cash Costs	1,528	2,625	1,999
Imputed Costs	6,873	8,479	5,677
Total Costs	14,882	39,593	22,298
Net Returns	6,307	7,119	12,366
.....			
Net Profit-Cost Ratio	0.42	0.18	0.55
Cost Per Kilogram ( <i>pesos</i> )	8.64	9.98	7.67

## PRODUCTION COSTS AND RETURNS

**Table 5.3 OTHER MAJOR CROPS: PRODUCTION COSTS AND RETURNS, PHILIPPINES, 2016**

ITEM	MANGO <sup>1/</sup>	PINEAPPLE	COFFEE <sup>1/</sup>
	(pesos per hectare)		
Gross Returns	146,923	359,284	48,675
Cash Costs	43,545	64,064	23,500
Non-Cash Costs	5,819	975	1,110
Imputed Costs	28,282	14,683	9,086
Total Costs	77,646	79,722	33,696
Net Returns	69,277	279,562	14,979
.....			
Net Profit-Cost Ratio	0.89	3.51	0.44
Cost Per Kilogram ( <i>pesos</i> )	17.92	1.99	56.23

<sup>1/</sup> Cost of production refers to maintenance cost.

**Table 5.3a OTHER MAJOR CROPS: PRODUCTION COSTS RETURNS, PHILIPPINES, 2016**

ITEM	ONION		TOMATO
	Red	Multiplier	
(pesos per hectare)			
Gross Returns	499,869	235,354	214,395
Cash Costs	116,054	57,162	71,501
Non-Cash Costs	8,867	23,673	3,596
Imputed Costs	23,291	21,755	19,807
Total Costs	148,212	102,590	94,904
Net Returns	351,657	132,764	119,491
.....			
Net Profit-Cost Ratio	2.37	1.29	1.26
Cost Per Kilogram ( <i>pesos</i> )	15.65	10.95	7.30



**PRICE  
STATISTICS**

## PRICE STATISTICS

**Table 6.1 CONSUMER PRICE INDEX <sup>1/</sup>, PHILIPPINES, 2012-2016**

ITEM	2012	2013	2014	2015	2016
<b>ALL ITEMS</b>	<b>130.1</b>	<b>134.0</b>	<b>139.5</b>	<b>141.5</b>	<b>144.0</b>
Food and Non-Alcoholic Beverages	139.9	145.8	153.4	157.3	161.2
Alcoholic Beverages and Tobacco	128.7	167.0	175.7	182.4	139.5
Clothing and Footwear	123.9	128.4	132.9	136.3	128.9
Housing, Water, Electricity, Gas and Other Fuels	125.8	127.9	130.8	129.1	128.9
Furnishings, Household Equipment and Routine Maintenance of the House	121.1	125.1	128.5	130.9	133.4
Health	128.3	132.1	136.4	139.3	142.6
Transport	125.7	126.5	127.7	127.6	128.0
Communication	92.5	92.7	92.7	92.7	92.8
Recreation and Culture	109.5	112.0	114.1	115.3	117.1
Education	136.3	142.5	149.5	155.8	159.8
Restaurants and Miscellaneous Goods and Services	123.1	126.1	128.5	130.2	132.9

<sup>1/</sup> 2006 as base year

**Table 6.2 PRODUCER PRICE INDEX FOR AGRICULTURE <sup>1/</sup>, PHILIPPINES, 2012-2016**

ITEM	2012	2013	2014	2015	2016P
<b>ALL ITEMS</b>	<b>137.9</b>	<b>141.0</b>	<b>156.1</b>	<b>147.1</b>	<b>149.8</b>
Cereals	151.3	156.1	179.6	157.9	157.6
Vegetables & Legumes	121.4	121.1	123.9	131.1	148.9
Rootcrops and Tubers	137.9	147.2	131.0	127.1	147.5
Fruits	142.3	146.9	155.2	160.6	195.2
Commercial Crops	145.1	138.6	173.5	154.0	177.8
Livestock	128.3	138.0	147.1	141.7	138.8
Poultry	122.9	124.4	134.1	134.0	133.8
Fishery	126.3	127.6	132.3	129.5	124.7

<sup>1/</sup> 2006 as base year

**Table 6.3 CEREALS: AVERAGE DOMESTIC AND WORLD PRICES  
BY TYPE, PHILIPPINES, 2012-2016**

ITEM	2012	2013	2014	2015	2016P
<b>DOMESTIC PRICE</b> (pesos per kilogram)					
<b>PALAY/RICE</b> , Well milled					
<i>Farm</i>	16.22	16.93	20.07	17.33	17.43
<i>Wholesale</i>	32.82	34.49	39.51	38.14	37.83
<i>Retail</i>	35.30	36.87	42.32	42.04	41.72
<b>CORNGRAIN</b>					
Corngrain, white					
<i>Farm</i>	13.35	13.81	13.90	13.07	12.30
<i>Wholesale</i>	15.53	15.43	14.79	14.08	13.10
<i>Retail</i>	19.72	18.97	21.88	23.23	22.77
Corngrain, yellow					
<i>Farm</i>	12.43	11.62	12.73	12.01	11.78
<i>Wholesale</i>	15.78	15.93	14.31	15.52	15.63
<i>Retail</i>	21.51	22.04	20.76	20.70	20.36
<b>WORLD PRICE</b> (US dollar per kilogram)					
<b>CEREALS</b>					
Rice					
<i>5% brokens</i>	0.56	0.51	0.42	0.39	0.40
<i>25% brokens</i>	0.54	0.47	0.38	0.37	0.39
Corn					
<i>Yellow</i>	0.30	0.26	0.19	0.17	0.16

Sources: PSA and World Bank

## PRICE STATISTICS

**Table 6.4** SELECTED CROPS: AVERAGE ANNUAL PRICES,  
PHILIPPINES, 2012-2016

ITEM	2012	2013	2014	2015	2016P
	(pesos per kilogram)				
<b>COCONUT</b>					
Copra (corriente)					
<i>Farm</i>	19.28	15.88	24.67	21.27	30.01
<i>Wholesale</i>	16.66	13.16	19.61	17.50	25.59
Matured nuts					
<i>Farm</i>	5.63	5.30	7.14	6.48	7.84
<i>Wholesale</i>	18.44	16.34	17.96	22.59	23.78
<i>Retail</i>	18.83	17.62	20.53	20.87	22.20
Young nuts					
<i>Farm</i>	7.03	6.96	7.93	8.37	7.12
<b>COFFEE, dry beans</b>					
Robusta					
<i>Farm</i>	69.30	67.84	76.10	74.98	77.16
<i>Wholesale</i>	-	70.15	-	-	-
Arabica					
<i>Farm</i>	71.14	83.94	82.09	96.21	93.37
Excelsa					
<i>Farm</i>	60.68	65.64	68.35	73.99	76.29
<b>RUBBER (cup lump)</b>					
<i>Farm</i>	50.06	40.35	26.37	20.31	22.33
<b>BANANA</b>					
Bungulan					
<i>Farm</i>	7.80	8.22	9.93	10.22	12.35
<i>Wholesale</i>	6.86	7.28	13.28	15.91	16.17
Latundan					
<i>Farm</i>	9.46	10.12	11.42	11.72	12.53
<i>Wholesale</i>	15.80	17.30	22.88	23.02	25.20
<i>Retail</i>	21.60	23.50	33.02	33.75	34.58

**Table 6.4** SELECTED CROPS: AVERAGE ANNUAL ...*(Concluded)*

ITEM	2012	2013	2014	2015	2016P
	(pesos per kilogram)				
<b>Lakatan</b>					
<i>Farm</i>	14.27	16.78	18.32	18.68	20.10
<i>Wholesale</i>	25.74	28.08	38.44	37.98	42.70
<i>Retail</i>	32.58	37.17	49.02	49.79	51.36
<b>Saba</b>					
<i>Farm</i>	7.01	8.35	8.34	8.47	9.99
<i>Wholesale</i>	13.05	13.77	16.01	17.43	22.07
<i>Retail</i>	16.74	17.64	24.24	25.95	27.70
<b>PINEAPPLE, Hawaiian</b>					
<i>Farm</i>	7.25	7.08	7.86	8.11	8.97
<i>Wholesale</i>	10.25	10.81	9.72	11.62	13.75
<i>Retail</i>	16.13	16.69	16.86	17.53	18.23
<b>MANGO, Carabao</b>					
<i>Farm (green)</i>	28.94	28.64	30.42	30.88	38.92
<i>Wholesale (ripe)</i>	47.96	48.79	51.34	62.28	79.48
<i>Retail (ripe)</i>	66.11	66.53	72.30	80.94	95.85
<b>CASSAVA</b>					
<i>Farm</i>	7.09	7.63	6.52	5.45	6.29
<i>Wholesale</i>	7.77	8.61	8.49	10.33	9.51
<b>CAMOTE</b>					
<i>Farm</i>	11.87	12.19	13.72	14.50	14.99
<i>Wholesale</i>	15.77	17.40	18.48	21.29	23.10
<i>Retail</i>	26.28	28.15	29.48	32.26	35.41

# PRICE STATISTICS

**Table 6.5** SELECTED LIVESTOCK AND POULTRY: AVERAGE ANNUAL PRICES, PHILIPPINES, 2012-2016

ITEM	2012	2013	2014	2015	2016P
	(pesos per kilogram)				
<b>LIVESTOCK</b> <sup>2/</sup>					
<b>CARABAO</b>					
<i>Farm (liveweight)</i>	69.75	72.98	74.99	78.02	78.04
<i>Wholesale selling</i>	62.46	64.34	65.16	66.46	-
<b>CATTLE</b>					
<i>Farm (liveweight)</i>	84.36	87.12	90.40	92.16	95.55
<i>Wholesale selling</i>	75.56	76.90	78.82	79.44	-
<i>Retail (beeflean meat)</i>	229.4	233.62	240.05	243.69	250.08
<b>HOG</b>					
<i>Farm (liveweight)</i>	88.26	95.71	100.48	97.53	94.64
<i>Wholesale selling</i>	89.71	99.90	109.02	104.75	-
<i>Retail (pork lean meat)</i>	172.93	179.36	191.59	190.85	188.59
<b>GOAT</b>					
<i>Farm</i>	101.88	106.74	113.51	115.29	117.74
<i>Wholesale selling</i>	92.22	96.37	99.36	99.88	-
<b>POULTRY</b>					
<b>CHICKEN</b> (broiler) <sup>2/</sup>					
<i>Farm</i>	95.89	87.12	91.06	93.69	96.61
<i>Wholesale</i> <sup>3/</sup>	84.18	81.43	95.60	88.16	97.98
<i>Retail</i>	117.07	112.86	119.80	123.03	124.49
<b>DUCK</b> <sup>2/</sup>					
<i>Farm</i>	87.66	90.85	93.58	98.96	101.59

2/ Backyard

3/ Metro Manila



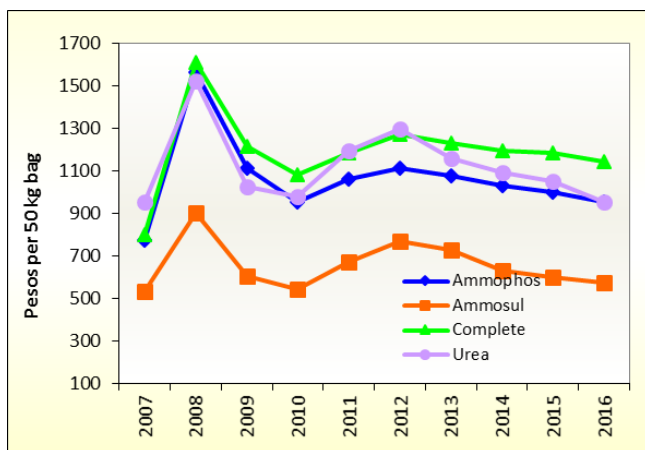
**Table 6.6** SELECTED FISH SPECIES: AVERAGE ANNUAL PRICES, PHILIPPINES, 2012-2016

ITEM	2012	2013	2014	2015	2016P
	(pesos per kilogram)				
<b>FISHERY PRODUCTS</b>					
<b>BANGUS</b> (Milkfish)					
Wholesale	104.49	100.46	101.47	104.25	104.47
Retail	125.01	123.84	123.51	126.75	126.47
<b>DILIS</b> (Anchovies)					
Wholesale	54.30	50.42	49.01	55.90	57.94
Retail	83.77	84.05	86.26	86.96	90.10
<b>GALUNGGONG</b> (Roundscad)					
Wholesale	83.14	82.29	86.30	91.29	90.39
Retail	107.68	108.02	113.84	118.27	116.59
<b>SAPSAP</b> (Slipmouth)					
Wholesale	87.52	83.80	90.85	94.77	112.65
Retail	126.10	128.14	132.03	128.81	164.40
<b>TILAPIA</b>					
Wholesale	75.36	74.07	78.70	79.97	81.48
Retail	95.96	98.17	102.69	106.36	106.89
<b>TULINGAN</b> (Frigate Tuna)					
Wholesale	89.36	88.64	94.00	93.77	90.69
Retail	110.40	111.57	113.47	116.70	112.06

## PRICE STATISTICS

**Table 6.7 FERTILIZERS: AVERAGE DEALERS' PRICES BY GRADE  
PHILIPPINES, 2012-2016**

ITEM	2012	2013	2014	2015	2016P
	(Pesos per 50 kg bag)				
UREA	1,296.32	1,158.02	1,094.15	1,048.43	951.43
AMMOSUL	766.18	727.91	630.68	598.87	572.52
COMPLETE	1,269.98	1,227.86	1,197.01	1,184.61	1,143.81
AMMOPHOS	1,111.92	1,077.52	1,029.69	997.98	955.54



*Figure 5. Fertilizers: Average Dealers' Prices by Grade, Philippines, 2007-2016 (50 kgs/bag)*



**AGRICULTURAL  
FOREIGN TRADE  
STATISTICS**

# AGRICULTURAL FOREIGN TRADE STATISTICS

**Table 7.1 TOP AGRICULTURAL EXPORTS: VOLUME AND VALUE, PHILIPPINES, 2012-2016**

ITEM	2012	2013	2014	2015	2016
<b>VOLUME OF TOP EXPORTS ('000 mt)</b>					
Coconut Oil	884.46	1,080.84	892.30	940.15	755.61
Bananas, <i>Fresh</i>	2,646.12	3,266.55	3,630.98	1,795.22	1,733.84
Pineapple & Products	742.61	816.64	783.33	713.94	1,126.96
Tuna	61.71	165.76	127.31	104.16	102.06
Desiccated Coconut	68.58	92.81	84.30	52.02	93.41
Seaweeds & Carageenan	33.91	55.70	41.58	38.96	39.85
Tobacco Manufactured	15.80	34.96	44.17	28.95	25.86
Centrifugal Sugar	201.93	471.27	206.83	38.75	181.76
Milk & Cream Products	18.02	11.44	20.68	22.43	28.39
Tobacco Unmanufactured	15.39	31.60	38.02	32.85	23.91
<b>VALUE OF TOTAL AGRICULTURAL EXPORTS</b> (FOB in Million US\$) <b>5,037.94 6,400.03 6,542.95 5,131.85 5,208.24</b>					
<b>VALUE OF TOP EXPORTS (FOB in million US \$)</b>					
Coconut Oil	1,041.48	1,005.58	1,220.21	1,168.22	1,151.69
Bananas, <i>Fresh</i>	646.66	962.58	1,129.89	657.87	730.36
Pineapple & Products	414.91	425.38	434.99	574.24	710.66
Tuna	455.10	618.62	501.03	350.30	277.52
Desiccated Coconut	197.00	198.67	254.16	160.05	210.04
Seaweeds & Carageenan	184.15	218.58	256.65	202.60	199.25
Tobacco Manufactured	157.46	248.02	325.06	207.61	161.18
Centrifugal Sugar	108.80	272.88	107.14	21.77	99.04
Milk & Cream Products	85.84	41.29	71.10	84.05	91.68
Tobacco Unmanufactured	76.32	92.34	121.82	101.04	91.68

**Table 7.2 TOP AGRICULTURAL EXPORTS: VOLUME AND VALUE BY MAJOR COUNTRY OF DESTINATION, PHILIPPINES, 2016**

COMMODITY/ COUNTRY OF DESTINATION	VOLUME	VALUE	% SHARE (VALUE)
<b>VOLUME AND VALUE ('000 mt, FOB in million US \$)</b>			
<b>COCONUT OIL (crude &amp; refined)</b>	<b>755.61</b>	<b>1,151.69</b>	<b>100.00</b>
Netherlands	340.78	465.46	40.42
United States of America	279.59	462.71	40.18
Japan (Excludes Okinawa)	34.67	52.29	4.54
Italy	24.20	32.77	2.85
Malaysia	18.07	26.58	2.31
Others	58.31	111.87	9.71
<b>BANANAS, Fresh</b>	<b>1,733.84</b>	<b>730.36</b>	<b>100.00</b>
Japan (Excludes Okinawa)	537.78	265.78	36.39
China, People's Republic of	445.65	193.19	26.45
Korea, Republic of South	269.45	126.81	17.36
Iran	136.61	33.47	4.58
United Arab Emirates	108.97	30.28	4.15
Others	344.35	111.12	15.21
<b>PINEAPPLE AND PINEAPPLE PRODUCTS</b>	<b>1,126.96</b>	<b>710.66</b>	<b>100.00</b>
United States of America	382.51	272.26	38.31
Korea, Republic of South	197.12	91.83	12.92
Japan (Excludes Okinawa)	222.78	91.65	12.90
China, People's Republic of	105.28	57.16	8.04
United Arab Emirates	27.66	15.46	2.17
Others	191.61	182.31	25.65
<b>TUNA</b>	<b>102.06</b>	<b>277.52</b>	<b>100.00</b>
Japan (Excludes Okinawa)	12.20	46.75	16.84
United States of America	11.82	43.55	15.69
Germany	12.57	37.87	13.65
UK Great Britain & N. Ireland	10.58	32.42	11.68
Spain	7.10	20.70	7.46
Others	47.79	96.23	34.67

## AGRICULTURAL FOREIGN TRADE STATISTICS

**Table 7.2 TOP AGRICULTURAL EXPORTS: VOLUME ...**(Continued)

COMMODITY/ COUNTRY OF DESTINATION	VOLUME	VALUE	% SHARE (VALUE)
<b>DESSICATED COCONUT</b>	<b>93.41</b>	<b>210.04</b>	<b>100.00</b>
United States of America	33.80	77.80	37.04
Netherlands	7.66	16.61	7.91
Canada	6.31	14.29	6.80
Australia	5.36	13.60	6.48
Germany	4.40	11.53	5.49
Others	35.87	76.20	36.28
<b>SEAWEEDS &amp; CARAGEENAN</b>	<b>39.85</b>	<b>199.25</b>	<b>100.00</b>
United States of America	10.81	42.20	21.18
Thailand	1.84	15.46	7.76
Indonesia	1.12	13.42	6.73
Denmark	1.46	11.94	5.99
China, People's Republic of	7.53	10.67	5.35
Others	17.09	105.57	52.98
<b>TOBACCO MANUFACTURED</b>	<b>25.86</b>	<b>161.18</b>	<b>100.00</b>
Thailand	7.63	67.27	41.73
Korea, Republic of South	3.76	23.59	14.64
Singapore	3.45	17.40	10.80
Indonesia	3.23	16.20	10.05
Vietnam	1.43	8.66	5.37
Others	6.38	28.06	17.41
<b>CENTRIFUGAL SUGAR</b>	<b>181.76</b>	<b>99.04</b>	<b>100.00</b>
United States of America	181.44	98.71	99.68
Korea, Republic of South	0.31	0.32	0.32
<b>MILK &amp; CREAM PRODUCTS</b>	<b>28.39</b>	<b>91.68</b>	<b>100.00</b>
Malaysia	14.47	43.62	47.57
Thailand	3.80	12.91	14.08
Sri Lanka	2.12	7.00	7.64
Vietnam	1.00	3.65	3.98
Pakistan	0.80	3.26	3.56
Others	6.22	21.24	23.17

**Table 7.2** TOP AGRICULTURAL EXPORTS: VOLUME ...*(Concluded)*

COMMODITY/ COUNTRY OF DESTINATION	VOLUME	VALUE	% SHARE (VALUE)
<b>TOBACCO UNMANUFACTURED</b>	<b>23.91</b>	<b>74.85</b>	<b>100.00</b>
Indonesia	3.99	19.01	25.40
Korea, Republic of South	2.36	8.11	10.84
Belgium	2.14	7.47	9.98
Singapore	1.77	5.96	7.96
United States of America	2.32	5.02	6.71
Others	11.32	29.27	39.11

## AGRICULTURAL FOREIGN TRADE STATISTICS

**Table 7.3 EXPORTS OF SELECTED COMMODITIES: VOLUME AND VALUE, PHILIPPINES, 2012-2016**

ITEM	2012	2013	2014	2015	2016
<b>VOLUME OF EXPORTS ('000 mt)</b>					
Abaca	0.08	0.03	0.11	0.39	0.09
Nata de Coco	5.05	3.58	3.95	1.54	3.96
Asparagus	0.52	0.63	0.37	0.22	a/
Papaws (fresh/dried)	3.11	8.93	5.11	1.83	1.59
Shallots	5.82	3.52	2.55	0.92	0.60
Onions (fresh/dried/powdered)	a/	0.05	0.16	0.01	0.02
Kaong	0.63	0.08	1.45	0.47	0.19
Manioc (Cassava) & Tapioca	0.58	1.03	1.89	1.52	0.79
Coconut (Young)	1.61	2.51	1.30	2.69	3.18
Yam (fresh/dried/powdered)	0.34	1.24	0.79	0.10	0.04
Garlic	0.11	0.06	0.17	0.13	0.18
<b>VALUE OF EXPORTS (FOB in million US \$)</b>					
Abaca	5.58	5.11	14.71	16.28	20.24
Nata de Coco	5.08	3.57	3.35	1.49	3.58
Asparagus	1.53	1.59	1.13	0.49	a/
Papaws (fresh/dried)	3.82	6.81	4.83	2.23	1.86
Shallots	2.64	1.54	1.41	0.61	0.53
Onions (fresh/dried/powdered)	0.06	0.07	0.13	0.07	0.02
Kaong	1.12	0.13	1.65	0.52	0.34
Manioc (Cassava) & Tapioca	0.97	1.60	2.56	1.43	0.87
Coconut (Young)	1.39	1.62	1.12	1.15	1.46
Yam (fresh/dried/powdered)	1.08	1.57	0.80	0.15	0.11
Garlic	0.77	0.34	1.21	0.91	1.37

a/less than 0.01



**Table 7.4 TOP AGRICULTURAL IMPORTS: VOLUME AND VALUE, PHILIPPINES, 2012-2016**

ITEM	2012	2013	2014	2015	2016
<b>VOLUME OF TOP IMPORTS ('000 mt)</b>					
Wheat (Including Spelt) and Meslin	3,000.30	2,472.61	3,095.30	4,770.39	5,243.11
Soyabean Oil/Cake Meal	1,455.57	1,513.32	1,991.08	1,954.98	2,628.23
Milk & Cream & Products	282.43	296.00	277.59	350.72	431.43
Coffee	104.57	90.89	70.68	91.18	190.83
Meat of Bovine, <i>Frozen</i>	82.58	75.44	100.85	103.46	113.05
Fertilizer Manufactured	991.04	978.62	1,218.62	1,050.63	1,270.72
Rice	1,042.14	399.08	1,089.14	1,481.50	609.36
Cocoa	26.06	31.12	37.57	48.48	57.47
Urea	616.03	637.04	773.21	672.08	968.99
Chicken Meat, <i>Frozen</i>	107.26	95.55	166.55	190.53	235.77
<b>VALUE OF TOTAL AGRICULTURAL IMPORTS</b>					
(CIF in million US \$)	<b>8,168.33</b>	<b>7,931.14</b>	<b>9,631.24</b>	<b>10,965.76</b>	<b>12,518.84</b>
<b>VALUE OF TOP IMPORTS (CIF in million US \$)</b>					
Wheat (Including Spelt) and Meslin	975.91	868.93	1,030.44	1,319.24	1,229.81
Soyabean Oil/Cake Meal	689.32	758.88	971.14	888.40	1,053.93
Milk & Cream & Products	644.35	751.22	763.34	650.15	641.35
Coffee	251.14	214.62	246.45	298.13	483.04
Meat of Bovine, <i>Frozen</i>	238.70	235.51	336.34	324.89	347.66
Fertilizer Manufactured	385.72	349.64	352.73	319.47	317.09
Rice	438.08	172.31	453.77	615.70	278.87
Cocoa	81.00	83.32	110.78	199.69	259.92
Urea	252.39	221.36	254.28	206.75	232.89
Chicken Meat, <i>Frozen</i>	106.98	96.06	167.86	179.32	221.99

# AGRICULTURAL FOREIGN TRADE STATISTICS

**Table 7.5 OTHER MAJOR AGRICULTURAL IMPORTS: VOLUME AND VALUE, PHILIPPINES, 2012-2016**

ITEM	2012	2013	2014	2015	2016
<b>VOLUME OF IMPORTS ('000 mt)</b>					
<b>LIVESTOCK &amp; POULTRY</b>					
Live Bovine (million head)	0.02	0.02	0.02	0.03	0.02
Meat of Bovine, frozen	82.58	75.44	100.85	103.24	113.05
Live Chicken (million head)	a/	0.51	-	-	-
Chicken Meat, frozen	107.26	95.73	166.55	190.53	235.77
<b>VEGETABLES</b>					
Garlic	11.25	5.22	32.71	74.14	63.22
Onion	19.35	9.45	10.53	38.94	137.78
Cauliflower and Headed					
Broccoli	0.11	0.02	0.03	0.02	0.04
Potatoes	6.73	4.39	6.86	20.18	20.27
<b>VALUE OF IMPORTS (CIF in million US \$)</b>					
<b>LIVESTOCK &amp; POULTRY</b>					
Live Bovine	19.55	18.57	22.12	32.97	19.19
Meat of Bovine, frozen	238.70	235.51	336.28	323.43	347.66
Live Chicken	0.36	6.32	-	-	-
Chicken Meat, frozen	106.98	96.21	167.86	179.32	221.99
<b>VEGETABLES</b>					
Garlic	4.16	3.26	12.89	25.43	24.83
Onion	4.65	3.38	5.05	12.13	27.49
Cauliflower and Headed					
Broccoli	0.20	0.05	0.04	0.02	0.06
Potatoes	2.42	1.31	2.53	7.61	8.92

a/less than 0.01

**Table 7.6 TOP AGRICULTURAL IMPORTS: VOLUME AND VALUE, BY MAJOR COUNTRY OF ORIGIN, PHILIPPINES, 2016**

COMMODITY/ COUNTRY OF ORIGIN	VOLUME	VALUE	% SHARE (VALUE)
<b>VOLUME AND VALUE ('000 mt, CIF in million US \$)</b>			
<b>WHEAT (including spelt) and MESLIN</b>	<b>5,243.11</b>	<b>1,229.81</b>	<b>100.00</b>
United States of America	2,382.85	603.45	49.07
Australia	883.69	208.87	16.98
Ukraine	1,011.17	197.27	16.04
Brazil	291.58	56.26	4.57
Argentina	228.54	41.31	3.36
Others	445.28	122.65	9.97
<b>SOYABEAN OIL/CAKE MEAL</b>	<b>2,628.23</b>	<b>1,053.93</b>	<b>100.00</b>
United States of America	1,871.47	772.77	73.32
Argentina	723.46	266.97	25.33
Brazil	11.94	4.53	0.43
Australia	7.00	3.18	0.30
Vietnam	6.88	2.94	0.28
Others	7.47	3.54	0.34
<b>MILK &amp; CREAM &amp; PRODUCTS</b>	<b>431.43</b>	<b>641.35</b>	<b>100.00</b>
United States of America	108.43	187.92	29.30
New Zealand (Excludes Western Samoa)	101.39	174.99	27.28
Germany	24.27	39.74	6.20
Australia	27.52	36.34	5.67
Thailand	36.20	32.02	4.99
Others	133.61	170.35	26.56
<b>COFFEE</b>	<b>190.83</b>	<b>483.04</b>	<b>100.00</b>
Indonesia	111.41	290.83	60.21
Vietnam	60.20	122.91	25.44
Malaysia	2.93	19.75	4.09
China, People's Republic of	3.07	14.92	3.09

## AGRICULTURAL FOREIGN TRADE STATISTICS

**Table 7.6 TOP AGRICULTURAL IMPORTS: VOLUME ...** (Continued)

COMMODITY/ COUNTRY OF ORIGIN	VOLUME	VALUE	% SHARE (VALUE)
Thailand	5.86	12.61	2.61
Others	7.35	22.02	4.56
<b>MEAT OF BOVINE, FROZEN</b>	<b>113.05</b>	<b>347.66</b>	<b>100.00</b>
India	39.28	105.28	30.28
Australia	29.48	101.15	29.09
United States of America	18.82	55.68	16.02
Brazil	8.49	35.71	10.27
Ireland	9.12	25.52	7.34
Others	7.85	24.32	7.00
<b>FERTILIZER MANUFACTURED</b>	<b>1,270.72</b>	<b>317.09</b>	<b>100.00</b>
China, People's Republic of	735.44	167.05	52.68
Vietnam	92.21	27.30	8.61
Canada	97.84	26.53	8.37
Japan (Excludes Okinawa)	122.00	16.10	5.08
Indonesia	38.37	12.10	3.81
Others	184.86	68.02	21.45
<b>RICE</b>	<b>609.36</b>	<b>278.87</b>	<b>100.00</b>
Vietnam	369.34	147.32	52.83
Thailand	223.21	90.06	32.30
India	5.97	20.22	7.25
China, People's Republic of	6.16	19.39	6.95
Singapore	4.62	1.75	0.63
Others	0.07	0.13	0.05
<b>COCOA</b>	<b>57.47</b>	<b>259.92</b>	<b>100.00</b>
United States of America	7.17	48.21	18.55
Switzerland	2.61	48.13	18.52
Malaysia	13.11	36.23	13.94
Indonesia	12.42	31.96	12.30
Singapore	6.62	20.65	7.95
Others	15.54	74.72	28.75

**Table 7.6 TOP AGRICULTURAL IMPORTS: VOLUME ... (Concluded)**

COMMODITY/ COUNTRY OF ORIGIN	VOLUME	VALUE	% SHARE (VALUE)
<b>UREA</b>	<b>968.99</b>	<b>232.89</b>	<b>100.00</b>
China, People's Republic of	275.37	69.09	29.67
Indonesia	232.49	57.49	24.69
Qatar	216.53	50.80	21.81
Malaysia	180.30	41.10	17.65
Saudi Arabia	47.94	10.68	4.58
Others	16.36	3.73	1.60
<b>CHICKEN MEAT, FROZEN</b>	<b>235.77</b>	<b>221.99</b>	<b>100.00</b>
United States of America	88.36	88.94	40.06
Netherlands	48.55	41.38	18.64
Brazil	36.25	33.40	15.05
Canada	17.80	17.41	7.84
Belgium	14.30	13.16	5.93
Others	30.51	27.71	12.48

# AGRICULTURAL FOREIGN TRADE STATISTICS

**Table 7.7 AGRICULTURAL TRADE BALANCES OF THE PHILIPPINES  
WITH ITS MAJOR TRADING PARTNERS, 2012-2016**

ITEM	2012	2013	2014	2015	2016
(Export in FOB M US \$; Import in CIF M US \$)					
<b>PHILIPPINES</b>					
<i>Agricultural Exports</i>	5,037.94	6,400.03	6,542.95	5,131.85	5,280.24
<i>Agricultural Imports</i>	8,168.33	7,931.14	9,631.24	10,965.76	12,518.84
<i>Trade Balance</i>	-3,130.39	-1,531.11	-3,088.29	-5,833.90	-7,238.60
<b>AUSTRALIA</b>					
<i>Agricultural Exports</i>	48.03	49.02	72.00	72.40	68.51
<i>Agricultural Imports</i>	719.66	340.91	502.30	521.91	554.88
<i>Trade Balance</i>	-671.63	-291.89	-430.30	-449.52	-486.37
<b>JAPAN</b>					
<i>Agricultural Exports</i>	691.85	915.99	944.19	655.33	647.57
<i>Agricultural Imports</i>	116.17	100.87	108.72	125.60	230.50
<i>Trade Balance</i>	575.68	815.12	835.46	529.73	417.07
<b>USA</b>					
<i>Agricultural Exports</i>	1,203.45	1,466.99	1,505.42	1,329.51	1,333.97
<i>Agricultural Imports</i>	1,765.35	1,754.83	1,992.34	2,337.95	2,542.08
<i>Trade Balance</i>	-561.90	-287.85	-486.92	-1,008.44	-1,208.11
<b>ASEAN</b>					
<i>Agricultural Exports</i>	857.68	964.60	788.19	517.50	525.25
<i>Agricultural Imports</i>	2,206.89	1,956.80	2,754.74	3,344.78	3,837.21
<i>Trade Balance</i>	-1,349.21	-992.20	-1,966.54	-2,827.28	-3,311.96
<b>EUROPEAN UNION</b>					
<i>Agricultural Exports</i>	911.75	1,038.05	999.36	994.98	1,021.22
<i>Agricultural Imports</i>	631.93	738.34	1,066.83	1,110.02	1,318.05
<i>Trade Balance</i>	279.82	299.71	-67.47	-115.04	-296.83
<b>Rest of the World</b>					
<i>Agricultural Exports</i>	1,325.18	1,965.39	2,233.78	1,562.15	1,683.72
<i>Agricultural Imports</i>	2,728.34	3,039.38	3,206.31	3,525.50	4,036.11
<i>Trade Balance</i>	-1,403.16	-1,073.99	-972.54	-1,963.35	-2,352.39



**SUPPLY  
UTILIZATION  
ACCOUNTS**

## SUPPLY UTILIZATION ACCOUNTS

**Table 8.1 RICE: SUPPLY UTILIZATION ACCOUNTS,  
PHILIPPINES, 2012-2016**

ITEM	2012	2013	2014	2015R	2016P
			('000 mt)		
<b>Gross Supply</b>	<b>15,465</b>	<b>14,981</b>	<b>15,618</b>	<b>16,010</b>	<b>15,332</b>
Beginning Stock	2,631	2,524	2,126	2,662	3,199
Production	11,793	12,059	12,405	11,870	11,528
Imports	1,041	398	1,087	1,478	605
<b>Utilization</b>					
Exports	a/	2	1	a/	a/
Seeds	230	233	232	228	223
Feeds & Waste	767	784	806	772	749
Processing	472	482	496	475	461
Net Food Disposable	11,472	11,354	11,421	11,336	11,134
Per Capita NFD					
<i>kilograms/year</i>	118.87	115.63	114.35	111.62	107.84
<i>grams/day</i>	325.67	316.79	313.29	305.81	295.45
Ending Stock	2,524	2,126	2,662	3,199	2,765

a/ Less than 1 thousand metric ton

**Table 8.2 CORN: SUPPLY UTILIZATION ACCOUNTS,  
PHILIPPINES, 2012-2016**

ITEM	2012	2013	2014	2015R	2016P
			('000 mt)		
<b>Gross Supply</b>	<b>7,710</b>	<b>7,880</b>	<b>8,515</b>	<b>8,415</b>	<b>8,412</b>
Beginning Stock	166	161	169	184	387
Production	7,407	7,377	7,771	7,519	7,219
Imports	137	342	575	712	806
<b>Utilization</b>					
Exports	a/	a/	1	a/	a/
Seeds	52	51	52	51	50
Feeds & Waste	4,815	4,795	5,051	4,887	4,692
Processing	988	984	1,037	1,003	963
Net Food Disposable	1,694	1,881	2,190	2,087	2,325
Per Capita NFD					
<i>kilograms/year</i>	17.55	19.16	21.93	20.55	22.52
<i>grams/day</i>	48.08	52.49	60.08	56.30	61.70
Ending Stock	161	169	184	387	382

a/ Less than 1 thousand metric ton



**Table 8.3 PAPAYA: SUPPLY UTILIZATION ACCOUNTS, PHILIPPINES, 2012-2016**

ITEM	2012	2013	2014	2015R	2016P
	(mt)				
<b>Gross Supply</b>	<b>164,913</b>	<b>166,336</b>	<b>172,628</b>	<b>172,650</b>	<b>162,481</b>
Production	164,913	166,336	172,628	172,650	162,481
Imports	-	-	-	-	-
<b>Utilization</b>					
Exports	3,065	5,925	5,108	1,834	1,588
Feeds & Waste	9,711	9,625	10,051	10,249	9,654
Net Food Disposable	152,137	150,786	157,469	160,567	151,239
Per Capita NFD					
<i>kilograms/year</i>	1.58	1.54	1.58	1.58	1.46
<i>grams/day</i>	4.33	4.22	4.33	4.33	4.00

**Table 8.4 CABBAGE: SUPPLY UTILIZATION ACCOUNTS, PHILIPPINES, 2012-2016**

ITEM	2012	2013	2014	2015R	2016P
	(mt)				
<b>Gross Supply</b>	<b>126,381</b>	<b>127,463</b>	<b>127,986</b>	<b>125,752</b>	<b>123,081</b>
Production	126,381	127,463	127,986	125,752	123,080
Imports	-	-	-	-	1
<b>Utilization</b>					
Exports	-	-	-	-	-
Seeds	32	31	31	30	30
Feeds & Waste	10,110	10,197	10,239	10,060	9,846
Net Food Disposable	116,239	117,235	117,716	115,662	113,205
Per Capita NFD					
<i>kilograms/year</i>	1.20	1.19	1.18	1.14	1.10
<i>grams/day</i>	3.29	3.26	3.23	3.12	3.01

## SUPPLY UTILIZATION ACCOUNTS

**Table 8.5 CASSAVA: SUPPLY UTILIZATION ACCOUNTS, PHILIPPINES, 2012-2016**

ITEM	2012	2013	2014	2015R	2015P
	(mt)				
<b>Gross Supply</b>	<b>2,223,260</b>	<b>2,377,438</b>	<b>2,550,693</b>	<b>2,714,346</b>	<b>2,755,155</b>
Production	2,223,182	2,361,561	2,540,254	2,714,346	2,755,146
Imports	78	15,877	10,439	-	9
<b>Utilization</b>					
Exports	583	1,031	1,744	656	641
Feeds & Waste	133,391	141,694	152,415	162,861	165,309
Processing	1,867,049	1,996,182	2,141,117	2,279,500	2,313,792
Net Food					
Disposable	222,237	238,531	255,417	271,329	275,413
Per Capita NFD					
<i>kilograms/year</i>	2.30	2.43	2.56	2.67	2.67
<i>grams/day</i>	6.30	6.66	7.01	7.32	7.32

**Table 8.6 MONGO: SUPPLY UTILIZATION ACCOUNTS, PHILIPPINES, 2012-2016**

ITEM	2012	2013	2014	2015R	2016P
	(mt)				
<b>Gross Supply</b>	<b>64,543</b>	<b>66,087</b>	<b>60,867</b>	<b>64,371</b>	<b>65,271</b>
Production	32,366	32,422	32,144	33,623	34,039
Imports	32,177	33,665	28,723	30,748	31,232
<b>Utilization</b>					
Exports	77	28	50	b/	3
Seeds	200	196	193	187	186
Feeds & Waste	322	330	304	322	326
Net Food Disposable	63,944	65,533	60,320	63,862	64,756
Per Capita NFD					
<i>kilograms/year</i>	0.66	0.67	0.60	0.63	0.63
<i>grams/day</i>	1.81	1.84	1.64	1.73	1.73

*b/Less than 1 metric ton*

**Table 8.7 CHICKEN (Dressed): SUPPLY UTILIZATION ACCOUNTS, PHILIPPINES, 2012-2016**

ITEM	2012	2013	2014	2015	2016P
			(mt)		
<b>Gross Supply</b>	<b>1,246,423</b>	<b>1,296,131</b>	<b>1,376,862</b>	<b>1,469,355</b>	<b>1,525,139</b>
Production	1,139,165	1,197,404	1,210,257	1,278,826	1,289,369
Imports	107,258	98,727	166,605	190,529	235,770
<b>Utilization</b>					
Exports	5,800	6,084	8,405	3,700	2,398
Net Food					
Disposable	1,240,623	1,290,047	1,368,457	1,465,655	1,522,741
Per Capita NFD					
<i>kilograms/year</i>	12.85	13.14	13.70	14.43	14.75
<i>grams/day</i>	35.21	36.00	37.53	39.53	40.41

**Table 8.8 BEEF: SUPPLY UTILIZATION ACCOUNTS, PHILIPPINES, 2012-2016**

ITEM	2012	2013	2014	2015	2016P
			(mt)		
<b>Gross Supply</b>	<b>198,192</b>	<b>201,932</b>	<b>218,852</b>	<b>220,875</b>	<b>235,603</b>
Production	148,859	151,480	153,160	156,429	158,491
Imports	49,333	50,452	65,692	64,446	77,112
<b>Utilization</b>					
Exports	2	49	45	10	-
Processing	14,886	15,148	15,316	15,643	15,849
Carcass					
Net Food					
Disposable	160,534	164,083	179,038	181,168	195,785
Per Capita NFD					
<i>kilograms/year</i>	1.66	1.67	1.79	1.78	1.90
<i>grams/day</i>	4.55	4.58	4.90	4.88	5.21
Offals					
Net Food					
Disposable	22,770	22,652	24,453	24,054	23,969
Per Capita NFD					
<i>kilograms/year</i>	0.24	0.23	0.24	0.24	0.23
<i>grams/day</i>	0.66	0.63	0.66	0.66	0.63

## SUPPLY UTILIZATION ACCOUNTS

**Table 8.9 MILKFISH: SUPPLY UTILIZATION ACCOUNTS  
PHILIPPINES, 2012-2016**

ITEM	2012	2013	2014	2015R	2016P
			(mt)		
<b>Gross Supply</b>	<b>392,071</b>	<b>406,241</b>	<b>402,091</b>	<b>392,843</b>	<b>402,661</b>
Production	391,330	405,783	401,979	392,738	402,655
Imports	741	458	112	105	6
<b>Utilization</b>					
Exports	2,297	4,121	3,419	3,219	3,306
Feeds & Waste	11,740	12,173	12,059	11,782	12,080
Processing	125,226	129,851	128,633	125,676	128,850
Net Food Disposable	252,808	260,096	257,980	252,166	258,425
Per Capita NFD					
<i>kilograms/year</i>	2.62	2.65	2.58	2.48	2.50
<i>grams/day</i>	7.18	7.26	7.07	6.79	6.85

Source: PSA

**Table 8.10 TILAPIA: SUPPLY UTILIZATION ACCOUNTS  
PHILIPPINES, 2012-2016**

ITEM	2012	2013	2014	2015R	2016P
			(mt)		
<b>Gross Supply</b>	<b>307,975</b>	<b>317,781</b>	<b>313,378</b>	<b>311,727</b>	<b>300,759</b>
Production	307,975	317,757	313,378	311,684	300,722
Imports	-	24	-	43	37
<b>Utilization</b>					
Exports	293	5,319	1,957	167	60
Feeds & Waste	9,239	9,533	9,401	9,351	9,022
Net Food Disposable	298,443	302,929	302,020	302,209	291,677
Per Capita NFD					
<i>kilograms/year</i>	3.09	3.08	3.02	2.98	2.83
<i>grams/day</i>	8.47	8.44	8.27	8.16	7.75

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