

AGRICULTURAL INDICATORS SYSTEM (AIS)

AGRICULTURAL EXPORTS AND IMPORTS

REPORT No. 2017-4



Republic of the Philippines
Philippine Statistics Authority

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FOREWORD

The Agricultural Indicators System (AIS) is one of the statistical indicator frameworks maintained by the Philippine Statistics Authority (PSA). AIS has twelve (12) modules which are updated and released annually. This is the fourth module entitled Agricultural Exports and Imports. It provides information on trade performance of selected major agricultural commodities. The reference years are 2012 to 2016.

The AIS hopes to cover more agricultural development indicators to support the information needs of our data users. We encourage the readers to give their comments and suggestions on the improvement of the AIS, in general, and this report, in particular.



LISA GRACE S. BERSALES, Ph.D.

Undersecretary

National Statistician and Civil Registrar General

Quezon City, Philippines
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AGRICULTURAL EXPORTS
AND IMPORTS



The trade performance of the country's major agricultural commodities is described in terms of the year-on-year changes on the volume and value of agricultural export and import commodities. It also accounts for the contribution of the agricultural products in the country's foreign trade and the share of selected agricultural commodities in the world export trade.

Agricultural Exports

In 2016, the Philippine export earnings from agricultural products totalled US\$ 5.28 billion. This was 2.89 percent higher than the 2015 record of US\$ 5.13 billion. The volume of rice exports at 263.3 metric tons was up by 19.94 percent in 2016. However, its export value at US\$ 0.44 million was reduced by 45.36 percent. Exports of corn in 2016 at 346.9 metric tons amounted to US\$ 1.07 million. Volume and value contracted by 29.48 percent and 77.67 percent, respectively. The export sales for rice and corn accounted for only less than 0.1 percent share each to the total agricultural export revenues.

Exportation of banana in 2016 dropped to 1.73 million metric tons by 3.42 percent, while the value at US\$ 730.36 million improved by 11.02 percent. Hence, its contribution to the country's value of agricultural exports rose to 13.83 percent in 2016. Exports of fresh pineapple at 599,343 metric tons in 2016 increased by 89.77 percent and value at US\$ 237.63 million surged by 88.34 percent. This pushed up the share of pineapple export earnings to 4.50 percent. About 14,343 metric tons of fresh mangoes were exported in 2016 valued at US\$ 13.32 million. Volume increased by 10.49 percent while value declined by 17.20 percent. Fresh mango recorded a reduced share of 0.25 percent in 2016. Meanwhile, centrifugal sugar exports at 181,759 metric tons reported a remarkable increment of 369.05 percent. Likewise, export receipt for this commodity at US\$ 99.04 million grew significantly by 354.83 percent which moved up its share to 1.88 percent. Declining exportation continued for Virginia tobacco. Volume at 5,316.7 metric tons was reduced by 38.56 percent and value at US\$ 18.88 million decreased by 41.53 percent. The share of Virginia tobacco to the total value of agricultural exports slid to 0.36 percent in 2016.

The revenues generated from the exportation of the other reference crops such as coconut, onion, mongo beans, cocoa beans, sweet potato,

tomato, cassava, papaya, watermelon and calamansi posted less than 0.1 percent share each to the country's export earnings from agricultural products. Increasing volume and value of exports were noted in coconut, mongo beans, cocoa beans and calamansi. In contrast, downtrends in exportation both in volume and value were registered in onion, cassava, papaya and watermelon (Tables 1, 1a and 1b).

Agricultural Imports

The total payment for the agricultural imports reached to US\$ 12.52 billion in 2016, higher by 14.16 percent from the last year's record of US\$ 10.97 billion. In 2016, there was a reduction in the importation of rice when volume at 0.61 million metric tons and value at US\$ 278.87 million dropped by more than 50 percent. The share of rice import value to the total expenditure for agricultural imports went down to 2.23 percent. On the other hand, corn imports were increasing as volume at 0.81 million metric tons grew by 13.15 percent. Its import payment was up by 7.33 percent and reached US\$ 212.21 million, accounting for 1.70 percent in the country's import value of agricultural products.

Virginia tobacco recorded a decline in importation in 2016. The volume of Virginia tobacco imports at 14,974 metric tons dropped by 39.31 percent while import expenditure at US\$ 67.25 million was reduced by 36.84 percent. Its share in the total value of agricultural imports was lowered to 0.54 percent. Bigger expansion in onion imports was noted in 2016 when both volume and value posted a nearly fourfold increase from the 2015 records. About 0.14 million metric of onions were imported which amounted to US\$ 22.25 million. Mongo beans imports at 31,232 metric tons valued at US\$ 20.92 million were down by 0.03 percent and 4.66 percent, respectively. The payments for onion and mongo imports shared 0.17 percent each in the country's agricultural import expenditures. Meanwhile, declining importation was likewise observed for garlic in 2016. Import volume of garlic at 58,983 metric tons was 16.21 percent less than the year ago's level. Expenditure for garlic imports at US\$ 15.85 million contracted by 18.95 percent and it shared only 0.13 percent to the total value of agricultural imports.

Less than 0.1 percent contribution each was noted in the other reference commodities such as coffee roasted, cocoa beans, potato, cauliflower and carrots. Among these crops, the biggest annual increments were observed in carrots at 1,878.29 percent in value and 422.72 percent in volume. Coffee roasted exhibited declining importation both in volume and value (Table 2, 2a and 2b).

Agriculture in Total Foreign Trade and in World Export

In 2016, the share of the country's exports of agricultural products to the total export earnings went up to 9.07 percent. On the other hand, the contribution of agricultural imports to total import expenditures was reduced to 14.88 percent (Table 3).

In the world export market, the Philippines continued to account for a bigger share in the export earnings from coconut products. In 2013, the share of coconut oil in the world export value significantly increased to 46.90 percent. Similar trend was observed for copra cake whose share leaped to 77.63 percent. An increased share of 39.15 percent was noted for dessicated coconut. Similarly, the shares of other commodities were going up to 9.94 percent for banana and 1.60 percent for centrifugal sugar. On the other hand, the contribution of canned pineapple exports went down to 16.45 percent in 2013. The country's export value of copra, tobacco unmanufactured and onion comprised less than one percent in the world export revenues (Table 4).

Table 1
Quantity, value and percentage share of selected commodities in total agricultural exports,
Philippines, 2012-2016

COMMODITY	2012			2013			2014		
	QTY. (In MT)	VALUE		QTY. (In MT)	VALUE		QTY. (In MT)	VALUE	
		US\$ ('000)	% Share		US\$ ('000)	% Share		US\$ ('000)	% Share
Grains									
Rice	298.1	1,267.7	0.025	2,664.1	5,388.5	0.084	1,075.3	3,237.0	0.049
Corn	21.3	89.5	0.002	310.8	1,191.0	0.019	717.7	2,684.3	0.041
Other crops									
Banana	2,646,117.6	646,657.1	12.836	3,266,547.6	962,575.3	15.040	3,630,976.3	1,129,890.9	17.269
Centrifugal sugar	201,930.5	108,796.9	2.160	471,268.6	272,884.6	4.264	206,825.0	107,136.1	1.637
Pineapple, fresh	397,018.0	99,665.6	1.978	489,742.9	152,495.9	2.383	487,492.4	153,907.7	2.352
Mango, fresh	18,440.1	15,239.9	0.303	7,886.0	13,296.9	0.208	21,111.5	24,410.2	0.373
Coconut (matured)	134.2	48.4	0.001	470.8	208.6	0.003	36.0	20.0	0.000
Onion, fresh	5,823.5	2,641.9	0.052	3,570.7	1,565.4	0.024	2,690.9	1,452.8	0.022
Mongo Beans	77.4	75.2	0.001	27.8	12.1	0.000	50.1	36.2	0.001
Coffee, Robusta	1.8	14.2	0.000	-	-	-	-	-	-
Cocoa Beans	298.1	639.4	0.013	498.1	1,078.1	0.017	1,769.7	4,459.6	0.068
Leaf Tobacco, Virginia type	4,893.8	32,871.6	0.652	12,129.6	36,226.3	0.566	14,231.4	48,482.9	0.741
Garlic, fresh	-	-	-	-	-	-	1.7	3.5	0.000
Sweet Potato	5.3	7.0	0.000	16.3	12.2	0.000	21.2	31.9	0.000
Cassava, fresh	582.8	966.3	0.019	1,031.0	1,593.4	0.025	1,743.5	2,285.0	0.035
Tomato	-	-	-	-	-	-	-	-	-
Papaya, fresh	3,065.5	3,695.6	0.073	5,924.8	6,132.5	0.096	5,108.4	4,797.0	0.073
Watermelon, fresh	1,293.1	176.5	0.004	85.4	27.0	0.000	168.8	38.3	0.001
Calamansi, fresh	35.3	36.0	0.001	29.4	30.5	0.000	44.8	43.6	0.001
All Agricultural Exports		5,037,937			6,400,031			6,542,946	

- no exports

Source: Philippine Statistics Authority

Table 1
Quantity, value and percentage share ... (Continued)

COMMODITY	2015			2016		
	QTY. (In MT)	VALUE		QTY. (In MT)	VALUE	
		US\$ ('000)	% Share		US\$ ('000)	% Share
Grains						
Rice	219.5	800.3	0.016	263.3	437.3	0.008
Corn	492.0	4,798.2	0.093	346.9	1,071.3	0.020
Other crops						
Banana	1,795,219.2	657,870.1	12.819	1,733,836.3	730,363.5	13.832
Centrifugal sugar	38,750.2	21,774.3	0.424	181,759.2	99,035.3	1.876
Pineapple, fresh	315,829.0	126,170.6	2.459	599,343.1	237,632.8	4.500
Mango, fresh	12,981.3	16,085.7	0.313	14,343.0	13,319.0	0.252
Coconut (matured)	441.1	86.3	0.002	1,909.2	1,081.2	0.020
Onion, fresh	922.3	608.7	0.012	601.3	535.5	0.010
Mungo Beans	0.1	0.1	0.000	2.9	9.0	0.000
Coffee, Robusta	0.1	1.2	0.000	-	-	-
Cocoa Beans	1,803.7	5,760.6	0.112	2,232.8	7,278.0	0.138
Leaf Tobacco, Virginia type	8,653.6	32,295.2	0.629	5,316.7	18,882.6	0.358
Garlic, fresh	-	-	-	-	-	-
Sweet Potato	25.8	32.0	0.001	23.8	34.3	0.001
Cassava, fresh	656.1	753.2	0.015	641.0	692.3	0.013
Tomato	-	-	-	0.4	0.2	0.000
Papaya, fresh	1,834.4	2,230.2	0.043	1,588.0	1,848.3	0.035
Watermelon, fresh	274.9	39.4	0.001	74.3	15.6	0.000
Calamansi, fresh	43.0	33.0	0.001	53.6	37.1	0.001
All Agricultural Exports		5,131,853			5,280,235	

- no exports

Source: Philippine Statistics Authority

Table 1a.
Growth rates of value of selected agricultural exports,
Philippines, 2012-2016
(in percent)

COMMODITY	2012-2013	2013-2014	2014-2015	2015-2016
Grains				
Rice	325.06	-39.93	-75.28	-45.36
Corn	1,231.44	125.38	78.75	-77.67
Other crops				
Banana	48.85	17.38	-41.78	11.02
Centrifugal sugar	150.82	-60.74	-79.68	354.83
Pineapple, fresh	53.01	0.93	-18.02	88.34
Mango, fresh	-12.75	83.58	-34.10	-17.20
Coconut (matured)	331.06	-90.42	331.72	1,153.48
Onion, fresh	-40.75	-7.20	-58.10	-12.02
Mongo Beans	-83.90	198.99	-99.66	7,236.59
Coffee, Robusta	-	-	-	-
Cocoa Beans	68.61	313.65	29.17	26.34
Leaf Tobacco, Virginia type	10.21	33.83	-33.39	-41.53
Garlic, fresh	-	-	-	-
Sweet Potato	75.54	160.27	0.24	7.33
Cassava, fresh	64.89	43.41	-67.04	-8.09
Tomato	-	-	-	-
Papaya, fresh	65.94	-21.78	-53.51	-17.13
Watermelon, fresh	-84.70	41.88	2.87	-60.35
Calamansi, fresh	-15.32	42.93	-24.29	12.39
All Agricultural Exports	27.04	2.23	-21.57	2.89

- no exports

Source: Philippine Statistics Authority

Table 1b.
Growth rates of quantity of selected agricultural exports,
Philippines, 2012-2016
 (in percent)

COMMODITY	2012-2013	2013-2014	2014-2015	2015-2016
Grains				
Rice	793.69	-59.64	-79.58	19.94
Corn	1,360.31	130.94	-31.45	-29.48
Other crops				
Banana	23.45	11.16	-50.56	-3.42
Centrifugal sugar	133.38	-56.11	-81.26	369.05
Pineapple, fresh	23.36	-0.46	-35.21	89.77
Mango, fresh	-57.23	167.71	-38.51	10.49
Coconut (matured)	250.89	-92.35	1,125.41	332.78
Onion, fresh	-38.69	-24.64	-65.72	-34.81
Mongo Beans	-64.08	80.27	-99.73	2,016.30
Coffee, Robusta	-	-	-	-
Cocoa Beans	67.10	255.28	1.92	23.79
Leaf Tobacco, Virginia type	147.86	17.33	-39.19	-38.56
Garlic, fresh	-	-	-	-
Sweet Potato	209.15	29.99	21.66	-7.75
Cassava, fresh	76.92	69.10	-62.37	-2.30
Tomato	-	-	-	-
Papaya, fresh	93.28	-13.78	-64.09	-13.43
Watermelon, fresh	-93.39	97.66	62.80	-72.98
Calamansi, fresh	-16.88	52.72	-4.07	24.68

- no exports

Source: Philippine Statistics Authority

Table 2
Quantity, value and percentage share of selected commodities in total agricultural imports,
Philippines, 2012-2016

COMMODITY	2012			2013			2014		
	QTY. (In MT)	VALUE		QTY. (In MT)	VALUE		QTY. (In MT)	VALUE	
		US\$ ('000)	% Share		US\$ ('000)	% Share		US\$ ('000)	% Share
Grains									
Rice	1,042,143.6	438,084.6	5.363	399,076.6	172,313.2	2.173	1,089,140.6	453,765.7	4.711
Corn	136,574.6	88,518.4	1.084	341,604.6	138,519.1	1.747	575,138.7	205,046.2	2.129
Other crops									
Onion, fresh	18,442.7	2,281.2	0.028	8,507.9	1,142.2	0.014	9,047.0	1,615.8	0.017
Mungo Beans	32,794.6	16,246.4	0.199	33,910.1	22,999.4	0.290	28,903.6	20,303.5	0.211
Coffee, Roasted	754.5	2,128.7	0.026	474.0	1,461.3	0.018	1,215.6	4,710.9	0.049
Cocoa Beans	147.7	371.4	0.005	218.2	583.9	0.007	513.1	1,688.7	0.018
Leaf Tobacco, Virginia type	26,847.5	74,485.8	0.912	28,712.3	86,577.6	1.092	15,079.4	67,912.7	0.705
Garlic, fresh	5,961.5	982.4	0.012	2,532.2	450.8	0.006	29,659.6	9,076.2	0.094
Cassava, fresh	78.1	21.9	0.000	15,877.5	5,553.0	0.070	10,438.8	3,626.4	0.038
Tomato, fresh	11.8	4.3	0.000	0.3	0.3	0.000	10.5	13.1	0.000
Cabbage, fresh	-	-	-	-	-	-	-	-	-
Pineapple, fresh	-	-	-	-	-	-	-	-	-
Potato, fresh	6,299.3	2,182.9	0.027	4,362.3	1,276.3	0.016	6,666.1	2,467.6	0.026
Cauliflower & headed broccoli	112.7	203.2	0.002	24.1	48.7	0.001	27.1	43.8	0.000
Carrots, fresh	10.4	10.4	0.000	25.4	16.6	0.000	12.1	3.2	0.000
All Agricultural Imports		8,168,329			7,931,142			9,631,238	

- no imports

Source: Philippine Statistics Authority

Table 2
Quantity, value and percentage share ... (Continued)

COMMODITY	2015			2016		
	QTY. (In MT)	VALUE		QTY. (In MT)	VALUE	
		US\$ ('000)	% Share		US\$ ('000)	% Share
Grains						
Rice	1,481,502.5	615,700.9	5.615	609,363.6	278,867.3	2.228
Corn	712,423.7	197,719.3	1.803	806,118.6	212,206.2	1.695
Other crops						
Onion, fresh	36,246.7	6,332.5	0.058	135,295.6	22,249.6	0.178
Mungo Beans	31,240.4	21,948.8	0.200	31,232.4	20,925.2	0.167
Coffee, Roasted	1,974.6	7,071.0	0.064	1,686.2	6,411.6	0.051
Cocoa Beans	265.0	902.2	0.008	571.9	2,030.5	0.016
Leaf Tobacco, Virginia type	24,671.4	106,483.5	0.971	14,974.1	67,250.0	0.537
Garlic, fresh	70,392.8	19,558.4	0.178	58,983.3	15,851.5	0.127
Cassava, fresh	-	-	-	8.6	5.4	0.000
Tomato, fresh	64.5	40.9	0.000	-	-	-
Cabbage, fresh	-	-	-	0.6	0.3	0.000
Pineapple, fresh	-	-	-	67.8	55.1	0.000
Potato, fresh	20,026.9	7,464.5	0.068	20,246.5	8,892.1	0.071
Cauliflower & headed broccoli	17.7	17.2	0.000	43.6	63.7	0.001
Carrots, fresh	0.4	0.5	0.000	2.2	9.0	0.000
All Agricultural imports		10,965,755			12,518,842	

- no imports

Source: Philippine Statistics Authority

Table 2a.
Growth rates of value of selected agricultural imports,
Philippines, 2012-2016
(in percent)

COMMODITY	2012-2013	2013-2014	2014-2015	2015-2016
Grains				
Rice	-60.67	163.34	35.69	-54.71
Corn	56.49	48.03	-3.57	7.33
Other crops				
Onion, fresh	-49.93	41.46	291.91	251.36
Mungo Beans	41.57	-11.72	8.10	-4.66
Coffee, Roasted	-31.35	222.37	50.10	-9.33
Cocoa Beans	57.21	189.19	-46.57	125.07
Leaf Tobacco, Virginia type	16.23	-21.56	56.79	-36.84
Garlic, fresh	-54.12	1,913.50	115.49	-18.95
Cassava, fresh	25,269.97	-34.69	-	-
Tomato, fresh	-91.99	3,687.57	211.80	-
Cabbage, fresh	-	-	-	-
Pineapple, fresh	-	-	-	-
Potato, fresh	-41.53	93.34	202.50	19.13
Cauliflower	-76.03	-10.13	-60.78	271.06
Carrots, fresh	60.59	-80.92	-85.63	1,878.29
All Agricultural Imports	-2.90	21.44	13.86	14.16

- no imports

Source: Philippine Statistics Authority

Table 2b.
Growth rates of quantity of selected agricultural imports,
Philippines, 2012-2016
 (in percent)

COMMODITY	2012-2013	2013-2014	2014-2015	2015-2016
Grains				
Rice	-61.71	172.92	36.02	-58.87
Corn	150.12	68.36	23.87	13.15
Other crops				
Onion, fresh	-53.87	6.34	300.65	273.26
Mongo Beans	3.40	-14.76	8.08	-0.03
Coffee, Roasted	-37.17	156.43	62.44	-14.61
Cocoa Beans	47.71	135.10	-48.34	115.78
Leaf Tobacco, Virginia type	6.95	-47.48	63.61	-39.31
Garlic, fresh	-57.52	1,071.28	137.34	-16.21
Cassava, fresh	20,223.20	-34.25	-	-
Tomato, fresh	-97.34	3,251.12	515.29	-
Cabbage, fresh	-	-	-	-
Pineapple, fresh	-	-	-	-
Potato, fresh	-30.75	52.81	200.43	1.10
Cauliflower	-78.62	12.47	-34.57	145.86
Carrots, fresh	144.50	-52.29	-96.46	422.72

- no imports

Source: Philippine Statistics Authority

Table 3
Share of agriculture in total foreign trade (in terms of value),
Philippines, 2012-2016
(in percent)

YEAR	EXPORTS	IMPORTS
2012	9.67	13.15
2013	11.29	12.71
2014	10.54	14.73
2015	8.72	15.43
2016	9.07	14.88
Average	9.86	14.18

Source: Philippine Statistics Authority

Table 4
Share of selected Philippine agricultural export
commodities in world export trade, 2011-2013
(in percent)

COMMODITY	2011	2012	2013
Coconut Oil	43.60	37.64	46.90
Copra Cake or Meal	52.02	59.04	77.63
Dessicated Coconut	39.12	38.00	39.15
Pineapple (canned)	14.80	20.10	16.45
Banana	5.32	7.51	9.94
Sugar (raw, centrifugal)	1.82	0.58	1.60
Copra	0.28	0.64	0.61
Onion, dry	0.23	0.11	0.05
Tobacco, unmanufactured	1.17	0.63	0.73

Source of basic data: Food and Agriculture Organization

MODULES OF THE AGRICULTURAL INDICATORS SYSTEM

1. Output and Productivity
2. Agricultural Structure and Resources
3. Economic Growth: Agriculture
4. **Agricultural Exports and Imports**
5. Food Sufficiency and Security
6. Food Consumption and Nutrition
7. Population and Labor Force
8. Redistribution of Land
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