

AGRICULTURAL INDICATORS SYSTEM (AIS)

AGRICULTURAL EXPORTS AND IMPORTS

REPORT No. 2014-09



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FOREWORD

The Agricultural Indicators System (AIS) is one of the statistical frameworks maintained by the Philippine Statistics Authority (Bureau of Agricultural Statistics). For this year, AIS contains thirteen (13) modules; twelve (12) modules are updated and released annually and one (1) module is updated every three years. This is the 9th module entitled Agricultural Export and Imports. It provides information on trade performance of selected major agricultural commodities. The reference years are 2009 to 2013.

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



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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 or import commodities. It also accounts for the contribution of the agricultural products in the country's foreign trade and the share of agricultural commodities in the world export trade.

Agricultural Exports

In 2013, the country's earnings from agricultural exports reached US\$ 6.40 billion. This was 27.0 percent more than the 2012 record. The value of rice exports at US\$ 5.39 billion recorded a significant increment of 325.1 percent. Its volume of exports increased to 2,664.1 metric tons in 2013 by 793.7 percent. Notable expansion was also noted for corn exports whose volume at 310.8 metric tons and value at US \$1.19 billion grew by more than 1000 percent. The earnings generated from the exportation rice and corn were minimal at less than 0.1 percent share each in the total agricultural export earnings.

About 3.27 million metric tons of banana were exported in 2013 valued at US\$ 962.57 million. Volume was up by 23.4 percent while value grew by 48.9 percent. The share of banana to the country's total value of agricultural exports went up to 15 percent in 2013. Exportation of centrifugal sugar in 2013 increased to 0.47 million metric tons or 133.4 percent more than the year ago level. Its export revenue at US\$ 272.88 million was higher by 150.9 percent. Centrifugal sugar accounted for 4.3 percent in the earnings from agricultural exports. The volume of pineapple exports at 0.49 million metric tons amounted to US\$ 152.50 million. Correspondingly, these were up by 23.4 percent and 53 percent. Its contribution to the total revenue from agricultural exports improved to 2.4 percent. A reduction in the exportation of mango was noted in 2013. Mango exports at 7,886 metric tons dropped by 57.2 percent and value at US\$ 13.30 million was down by 12.7 percent. Likewise, the share of mango was reduced to 0.2 percent. Meanwhile, Virginia tobacco exports at 12,129.6 metric tons recorded a 147.9 percent gain. Receipts from exportation of Virginia tobacco increased by 10.2 percent to US\$ 36.23 million and contributed 0.6 percent to total value of agricultural exports.

The revenues generated from the exportation of other reference commodities were less than 0.1 percent of the country's export earnings from agricultural products. Increasing volume and value of exports in 2013 were recorded for coconut, cocoa beans, sweet potato, cassava and papaya. However, the biggest expansions were exhibited by coconut at 250.8 percent in volume and 331 percent in value. There were downtrends in the exportation of watermelon, calamansi and mongo beans both in volume and value (Tables 1,1a and 1b).

Agricultural Imports

The 2013 import expenditures for agricultural products totaled US\$ 7.93 billion which was 2.9 percent lower than in 2012. Importation of rice in 2013 was declining while it was increasing for corn. The volume of rice imports in 2013 at 0.40 million metric tons valued at US\$ 172.31 million dropped by around 61 percent each. This pulled down the share of rice exports to 2.2 percent in 2013. Corn imports at 0.34 million metric tons exhibited bigger growth of 150.1 percent. Its value amounting to US\$ 138.52 million was up by 56.5 percent. The share of corn went up to 1.7 percent.

Virginia tobacco imports posted a 1.1 percent contribution with its value at US\$ 86.58 million which was going up by 16.2 percent. The volume of Virginia tobacco imports grew by 6.9 percent to 28,712 metric tons in 2013. In this year, importation of mongo beans increased to 33,910 metric tons or by 3.4 percent. Its corresponding value at US\$ 23 million exhibited a 41.6 percent increment. The expenditures for mongo beans comprised 0.3 percent of the total import expenditures for agricultural products. There was a remarkable growth in the importation of cassava in 2013 whose volume rose to 15,877 metric tons and value was up to US\$ 5.55 million by more than 20,000 percent from the 2012 record. This led to the increase in the share of cassava import expenditures to 0.1 percent.

Insignificant shares of less than 0.1 percent each were recorded for coffee, cocoa beans, garlic, tomato, potato, cauliflower and carrots. Increasing importations both in volume and value were noted for cocoa

beans and carrots while decreasing for the other reference commodities (Tables 2, 2a and 2b).

Agriculture in Total Foreign Trade and in the World Export

Overall, the contribution of agricultural products to total exports went up to 11.29 percent in 2013. In the same year, its share to total imports dropped to 12.06 percent (Table 3).

From 2009 to 2010, the country's exportation of coconut products exhibited a bigger and increasing share in the world export markets. However, in 2011, declining shares were reported for coconut oil at 43.20 percent, copra cake or meal at 57.65 percent and dessicated coconut at 32.91 percent. A low share continued for copra which went down to 0.19 percent. Meanwhile, the contributions to the world export went up to 16.63 percent for canned pineapple, 10.93 percent for banana, 1.72 percent for centrifugal sugar and 1.82 percent for unmanufactured tobacco. The share of onion exports continued to go up to 0.21 percent in 2011 (Table 4).

Table 1
Quantity, value and percentage share of selected commodities in total agricultural exports,
Philippines, 2009-2013

COMMODITY	2009			2010			2011		
	QTY. (In MT)	VALUE		QTY. (In MT)	VALUE		QTY. (In MT)	VALUE	
		US\$ ('000)	% Share		US\$ ('000)	% Share		US\$ ('000)	% Share
Grains									
Rice	176.6	607.9	0.019	240.4	851.1	0.021	538.4	2,162.0	0.040
Corn	544.5	829.3	0.026	26.0	74.0	0.002	12.4	43.4	0.001
Other crops									
Banana	1,664,054.7	344,434.4	10.984	1,590,065.7	319,295.6	7.786	2,055,510.4	472,377.3	8.697
Centrifugal sugar	243,908.6	86,300.4	2.752	72,436.2	36,793.3	0.897	578,737.5	351,451.2	6.470
Pineapple, <i>fresh</i>	204,505.0	51,447.8	1.641	164,552.6	41,776.6	1.019	263,271.8	65,844.6	1.212
Mango, <i>fresh</i>	20,380.9	15,983.9	0.510	20,115.0	15,187.8	0.370	21,150.9	16,721.4	0.308
Coconut (<i>matured</i>)	29.3	18.0	0.001	-	-	-	748.5	345.1	0.006
Onion, <i>fresh</i>	0.5	0.9	0.000	315.0	92.2	0.002			
Mongo Beans	14.9	19.3	0.001	421.8	419.5	0.010	275.1	399.6	0.007
Coffee, <i>Robusta</i>	-	-	-	19.0	26.8	0.001	0.1	1.2	0.000
Cocoa Beans	296.2	464.8	0.015	180.7	504.2	0.012	123.8	356.5	0.007
Leaf Tobacco, <i>Virginia type</i>	8,380.3	25,684.5	0.819	12,016.5	39,764.5	0.970	13,638.6	43,248.5	0.796
Sweet Potato	3.4	6.1	0.000	3.1	5.1	0.000	3.9	5.8	0.000
Cassava, <i>fresh</i>	982.6	1,300.9	0.041	1,010.5	1,317.3	0.032	1,098.3	1,557.2	0.029
Cabbage	-	-	-	-	-	-	4.0	1.5	0.000
Papaya, <i>fresh</i>	2,304.7	2,784.3	0.089	1,390.5	1,990.1	0.049	2,950.8	3,307.7	0.061
Watermelon, <i>fresh</i>	548.8	75.0	0.002	1,601.7	219.8	0.005	666.2	91.1	0.002
Calamansi, <i>fresh</i>	34.5	42.0	0.001	30.8	40.0	0.001	27.9	38.4	0.001
All Agricultural Exports		3,135,749			4,101,085			5,431,758	

Table 1 ...(Continued)

COMMODITY	2012			2013		
	QTY. (In MT)	VALUE		QTY. (In MT)	VALUE	
		US\$ ('000)	% Share		US\$ ('000)	% Share
Grains						
Rice	298.1	1,267.7	0.025	2,664.1	5,388.6	0.084
Corn	21.3	89.5	0.002	310.8	1,191.0	0.019
Other crops						
Banana	2,646,117.6	646,657.1	12.836	3,266,547.6	962,575.3	15.040
Centrifugal sugar	201,930.5	108,769.9	2.160	471,268.6	272,884.6	4.264
Pineapple, <i>fresh</i>	397,018.0	99,665.6	1.978	489,742.9	152,495.9	2.383
Mango, <i>fresh</i>	18,440.1	15,239.9	0.303	7,886.0	13,296.9	0.208
Coconut (<i>matured</i>)	134.2	48.4	0.001	470.8	208.6	0.003
Onion, <i>fresh</i>				51.7	23.0	0.000
Mongo Beans	77.4	75.2	0.001	27.8	12.1	0.000
Coffee, <i>Robusta</i>	1.8	14.2	0.000			
Cocoa Beans	298.1	639.4	0.013	498.1	1,078.1	0.017
Leaf Tobacco, <i>Virginia type</i>	4,893.8	32,871.6	0.652	12,129.6	36,226.3	0.566
Sweet Potato	5.3	7.0	0.000	16.3	12.2	0.000
Cassava, <i>fresh</i>	582.8	966.3	0.019	1,031.0	1,593.4	0.025
Cabbage						
Papaya, <i>fresh</i>	3,065.5	3,695.6	0.073	5,924.8	6,132.5	0.096
Watermelon, <i>fresh</i>	1,293.1	176.5	0.004	85.4	27.0	0.000
Calamansi, <i>fresh</i>	35.3	36.0	0.001	29.4	30.5	0.000
All Agricultural Exports		5,037,937			6,400,031	

Table 1a.
Growth rates of value of selected agricultural exports,
Philippines, 2009-2013
(in percent)

COMMODITY	09-10	10-11	11-12	12-13
Grains				
Rice	40.0	154.0	-41.4	325.1
Corn	-90.6	-41.3	106.1	1,230.7
Other crops				
Banana	-7.3	47.9	36.9	48.9
Centrifugal sugar	-57.4	855.2	-69.1	150.9
Pineapple, <i>fresh</i>	-18.8	57.6	51.4	53.0
Mango, <i>fresh</i>	-5.0	10.1	-8.9	-12.7
Coconut (<i>matured</i>)	820.1		-86.0	331.0
Onion, <i>fresh</i>	10,299.9			
Mongo Beans	2,078.5	-4.7	-81.2	-83.9
Coffee, <i>Robusta</i>		-95.3	1,038.3	
Cocoa Beans	8.5	-29.3	79.4	68.6
Leaf Tobacco, <i>Virginia</i>	54.8	8.8	-24.0	10.2
Sweet Potato	-17.3	15.0	19.5	74.3
Cassava, <i>fresh</i>	1.3	18.2	-37.9	64.9
Papaya, <i>fresh</i>	-28.5	66.2	11.7	65.9
Watermelon, <i>fresh</i>	193.0	-58.6	93.8	-84.7
Calamansi, <i>fresh</i>	-4.7	-4.0	-6.3	-15.3
All Agricultural Exports	30.8	32.4	-7.3	27.0

Table 1b.
Growth rates of quantity of selected agricultural exports,
Philippines, 2009-2013
 (in percent)

COMMODITY	09-10	10-11	11-12	12-13
Grains				
Rice	36.1	124.0	-44.6	793.7
Corn	94.7	-52.3	72.0	1,358.9
Other crops				
Banana	-4.4	29.3	28.7	23.4
Centrifugal sugar	-70.3	699.0	-65.1	133.4
Pineapple, <i>fresh</i>	-19.5	60.0	50.8	23.4
Mango, <i>fresh</i>	-1.3	5.2	-12.8	-57.2
Coconut (<i>matured</i>)	0.0	0.0	-82.1	250.8
Onion, <i>fresh</i>	67,350.7			
Mung Beans	2,732.1	-34.8	-71.9	-64.1
Coffee, <i>Robusta</i>		-99.5	1,649.5	
Cocoa Beans	-39.0	-31.5	140.9	67.1
Leaf Tobacco, <i>Virginia</i>	43.4	13.5	-64.1	147.9
Sweet Potato	-7.8	25.2	34.7	207.5
Cassava, <i>fresh</i>	2.8	8.7	-46.9	76.9
Papaya, <i>fresh</i>	-39.7	112.2	3.9	93.3
Watermelon, <i>fresh</i>	191.8	-58.4	94.1	-93.4
Calamansi, <i>fresh</i>	-10.6	-9.6	26.6	-16.7

Table 2
Quantity, value and percentage share of selected commodities in total agricultural imports,
Philippines, 2009-2013

COMMODITY	2009			2010			2011		
	QTY. (In MT)	VALUE		QTY. (In MT)	VALUE		QTY. (In MT)	VALUE	
		US\$ ('000)	% Share		US\$ ('000)	% Share		US\$ ('000)	% Share
Grains									
Rice	1,755,184.2	1,039,636.7	17.100	2,379,115.0	1,652,523.6	22.332	707,668.4	383,150.9	4.887
Corn	303,115.4	104,206.2	1.714	88,470.3	77,228.0	1.044	66,193.1	48,016.9	0.612
Other crops									
Onion, <i>fresh</i>	9,992.9	1,203.8	0.020	10,779.7	1,311.7	0.018	4,781.5	652.7	0.008
Mungo Beans	32,234.6	7,216.9	0.119	31,583.2	16,719.2	0.226	26,885.6	15,485.0	0.198
Coffee, <i>Roasted</i>	279.2	507.1	0.008	344.0	545.1	0.007	302.7	776.0	0.010
Cocoa Beans	12.5	49.4	0.001	726.1	2,451.6	0.033	302.4	1,071.7	0.014
Leaf Tobacco, <i>Virginia type</i>	18,544.9	66,034.4	1.086	21,178.0	66,877.1	0.904	19,757.7	53,297.9	0.680
Garlic, <i>fresh</i>	33,296.0	4,530.6	0.075	17,694.1	2,136.2	0.029	7,850.4	1,433.5	0.018
Cassava, <i>fresh</i>	-	-		24,500.0	6,260.5	0.085	12,706.0	5,177.5	0.066
Tomato, <i>fresh</i>	0.3	0.2	0.000	-	-		950.3	513.0	0.007
Pineapple, <i>fresh</i>	2.1	4.2	0.000	-	-				
Potato, <i>fresh</i>	8,615.5	3,294.8	0.054	6,893.5	2,550.2	0.034	8,176.1	3,047.9	0.039
Cauliflower and headed broccoli	140.4	66.5	0.001	241.2	167.4	0.002	123.0	126.4	0.002
Carrots, <i>fresh</i>	137.2	15.6	0.000	40.0	19.2	0.000	49.5	28.2	0.000
All Agricultural Imports		6,079,795			7,399,795			7,839,929	

Table 2 ...(Continued)

COMMODITY	2012			2013		
	QTY. (In MT)	VALUE		QTY. (In MT)	VALUE	
		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
Corn	136,574.6	88,518.4	1.084	341,604.6	138,519.1	1.747
Other crops						
Onion, <i>fresh</i>	18,307.7	2,264.9	0.028	8,507.9	1,142.2	0.014
Mungo Beans	32,794.6	16,246.4	0.199	33,910.1	22,999.4	0.290
Coffee, <i>Roasted</i>	754.5	2,128.7	0.026	474.0	1,461.3	0.018
Cocoa Beans	147.7	371.4	0.005	218.2	583.9	0.007
Leaf Tobacco, <i>Virginia type</i>	26,847.5	74,485.8	0.912	28,712.3	86,577.6	1.092
Garlic, <i>fresh</i>	5,961.5	982.4	0.012	2,532.2	450.8	0.006
Cassava, <i>fresh</i>	78.1	21.9	0.000	15,877.0	5,553.0	0.070
Tomato, <i>fresh</i>	11.8	4.3	0.000	0.3	0.3	0.000
Pineapple, <i>fresh</i>						
Potato, <i>fresh</i>	6,299.3	2,182.9	0.027	4,362.3	1,276.3	0.016
Cauliflower and headed broccoli	112.7	203.2	0.002	24.1	48.7	0.001
Carrots, <i>fresh</i>	10.4	10.4	0.000	25.4	16.6	0.000
All Agricultural Imports		8,168,329			7,931,142	

Table 2a.
Growth rates of value of selected agricultural imports,
Philippines, 2009-2013
(in percent)

COMMODITY	09-10	10-11	11-12	12-13
Grains				
Rice	59.0	-76.8	14.3	-60.7
Corn	-25.9	-37.8	84.3	56.5
Other crops				
Onion, <i>fresh</i>	9.0	-50.2	247.0	-49.6
Mungo Beans	131.7	-7.4	4.9	41.6
Coffee, <i>Roasted</i>	7.5	42.3	174.3	-31.4
Cocoa Beans	4,861.1	-56.3	-65.3	57.2
Leaf Tobacco, <i>Virginia</i>	1.3	-20.3	39.8	16.2
Garlic, <i>fresh</i>	-52.8	-32.9	-31.5	-54.1
Cassava, <i>fresh</i>		-17.3	-99.6	25,256.2
Tomato, <i>fresh</i>			-99.2	-92.0
Pineapple, <i>fresh</i>				
Potato, <i>fresh</i>	-22.6	19.5	-28.4	-41.5
Cauliflower	151.8	-24.5	60.8	-76.0
Carrots, <i>fresh</i>	23.2	46.6	-63.1	59.6
All Agricultural Imports	21.7	5.9	4.2	-2.9

Table 2b
Growth rates of quantity of selected agricultural imports,
Philippines, 2009-2013
(in percent)

COMMODITY	09-10	10-11	11-12	12-13
Grains				
Rice	35.5	-70.3	47.3	-61.7
Corn	-70.8	-25.2	106.3	150.1
Other crops				
Onion, fresh	7.9	-55.6	282.9	-53.5
Mungo Beans	-2.0	-14.9	22.0	3.4
Coffee, Roasted	23.2	-12.0	149.3	-37.2
Cocoa Beans	5,709.2	-58.4	-51.2	47.7
Leaf Tobacco, Virginia type	14.2	-6.7	35.9	6.9
Garlic, fresh	-46.9	-55.6	-24.1	-57.5
Cassava, fresh		-48.1	-99.4	20,229.1
Tomato, fresh			-98.8	-97.3
Pineapple, fresh				
Potato, fresh	-20.0	18.6	-23.0	-30.7
Cauliflower	71.8	-49.0	-8.4	-78.6
Carrots, fresh	-70.8	23.6	-79.0	144.5

Table 3
Share of agriculture in total foreign trade,
Philippines, 2009-2013
(in percent)

YEAR	EXPORTS	IMPORTS
2009	8.16	13.25
2010	7.96	12.66
2011	11.24	12.23
2012	9.67	12.41
2013	11.29	12.06
Average	9.66	12.52

Table 4
Share of selected Philippine agricultural export commodities in world
export trade, 2009-2011
(in percent)

COMMODITY	2009	2010	2011
Coconut Oil	44.88	55.93	43.20
Copra Cake or Meal	59.56	70.07	57.65
Dessicated Coconut	38.55	38.82	32.91
Pineapple (<i>canned</i>)	16.00	13.57	16.63
Banana	9.58	9.12	10.93
Sugar (<i>raw, centrifugal</i>)	0.81	0.22	1.72
Copra	0.06	0.25	0.19
Onion, <i>dry</i>	0.10	0.11	0.21
Tobacco, <i>unmanufactured</i>	1.14	1.35	1.82

Source of basic data: Food and Agriculture Organization

MODULES OF THE AGRICULTURAL INDICATORS SYSTEM

1. Agricultural Structures and Resources
2. Agricultural Credit
3. Poverty and Income Distribution
4. Output and Productivity
5. Food Sufficiency and Security
6. Food Consumption and Nutrition
7. Population and Labor Force
8. Redistribution of Land
9. **Agricultural Exports and Imports**
10. Gender-based Indicators of Labor and Employment in Agriculture
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