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Economic Growth: Agriculture



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FOREWORD

The Agricultural Indicators System (AIS) is one of the statistical indicator frameworks maintained by the Philippine Statistics Authority (PSA). As part of the continuing efforts of the PSA to improve its products and services, the coverage of the AIS was reviewed to rationalize releases, merge related indicators and package these into reports with more emphasis on statistics and indicators related to the development of the agriculture sector. The AIS now comprises of eight (8) modules which will be updated and released annually. These modular reports provide measures for assessing socio-economic changes in the agriculture sector, characterizing the agrarian structure of the economy and situating agriculture in the national economy.

This is the second module entitled Economic Growth: Agriculture. It provides information on the economic performance of the country's agriculture sector measured through Gross Value Added in Agriculture Forestry and Fishing at the national level. The reference years are 2015 to 2019.

The AIS aims 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.



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Undersecretary

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June 2020

ECONOMIC GROWTH: AGRICULTURE



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The performance of the country’s agriculture sector can be monitored through the year-on-year growth of Gross Value Added (GVA) in Agriculture, Forestry and Fishing. This refers to the difference between the gross output and intermediate consumption used in the production process.

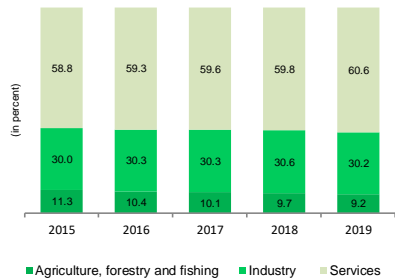
Share of Agriculture, Forestry and Fishing (AFF) to Gross Domestic Product (GDP)

In 2019, AFF was still the lowest contributor among the three major sectors of the economy.

At constant 2018 prices, GVA in AFF valued at PhP 1,783.86 billion in 2019 registered a declining share of 9.2 percent from the previous year’s record of 9.7 percent.

GVA in AFF at current prices amounted to PhP 1,722.21 billion, comprising a lower share of 8.8 percent compared to 2018 share of 9.7 percent in the GDP (Tables 1a, 1b, 1c and 1d).

Figure 1. Distribution of GDP by Industry, Philippines, 2019 (At Constant 2018 Prices)



GVA in Agriculture, Forestry and Fishing by Sub-industry

The 2019 GVA in AFF at constant prices grew by 1.2 percent, higher than the 1.1 percent increment in 2018.

Agricultural crops posted another decline in GVA at 2.0 percent from the negative growth of 0.7 percent in the previous year.

Among the crops, continuous contractions in GVAs in 2019 were noted in palay, sugarcane, coffee and cassava.

Banana made a turnaround from the positive performance in 2018 as it recorded a decline in 2019.

Corn, mango, abaca and tobacco recovered from the slump in 2018 and registered increases in 2019.

Despite the uptrends in GVA, the increases slowed down for coconut, pineapple, and rubber. Cacao and other agricultural crops indicated bigger improvements in GVA.

Figure 2. Growth Rates of GVA in AFF, Philippines, 2015-2019

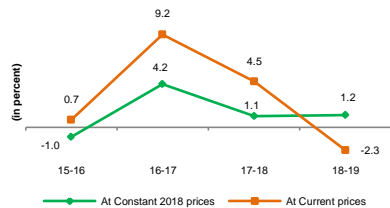
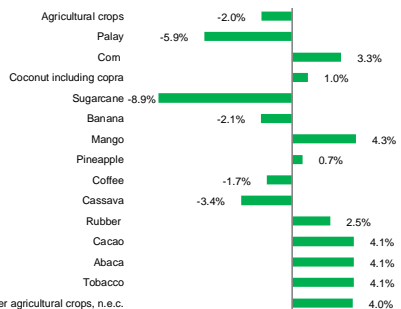


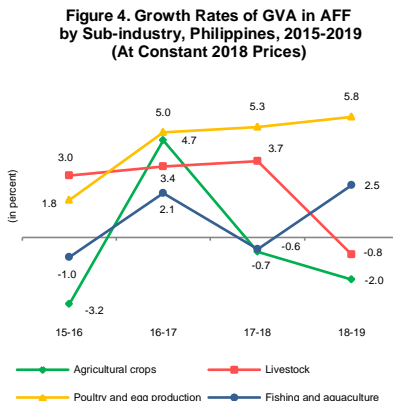
Figure 3. Growth Rates of GVA in AFF by Sub-industry – Agricultural Crops, Philippines, 2019 (At Constant 2018 Prices)



For livestock, GVA dropped by 0.8 percent from the positive growth a year ago. Poultry and egg production had higher increment by 5.8 percent relative to last year's record. GVA for other animal production was highest at 31.8 percent.

Fishing and aquaculture recovered from last year's downtrend and came up with an increase by 2.5 percent in 2019 (Tables 2a and 2b).

At current prices, the GVA in AFF was down by 2.3 percent from the 4.5 percent gain in 2018.



The decrease was due to the declining GVA of agricultural crops by 8.5 percent. From the positive performance in 2018, contractions in GVAs in 2019 were recorded in palay, corn, cacao, abaca and other agricultural crops. Downtrends continued for coconut, sugarcane, mango, coffee and tobacco.

Increasing GVAs were maintained by banana and pineapple. Cassava and rubber recovered from the previous declines and showed improvement in 2019.

Livestock posted a slower growth of 1.9 percent in 2019 while poultry and egg production bounced back from its negative growth a year ago with 6.3 percent increment. An opposite trend was noted in other animal production whose GVA dropped by 1.4 percent.

Fishing and aquaculture regained its increase at 5.6 percent (Tables 2d and 2e).

In terms of the sub-industry share at both constant and current prices, agricultural crops comprised about half of the GVA in AFF. Palay contributed the biggest share among the crops, followed by banana, corn, and coconut.

At constant and current prices, livestock, and poultry and egg production accounted for around 13 percent and 10 percent, respectively. Around 13 percent was shared by fishing and aquaculture in the GVA in AFF (Tables 2c and 2f).

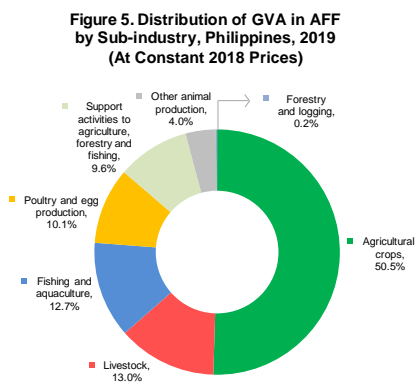


Table 1a. Gross Domestic Product by Industry, At Constant 2018 Prices, Philippines, 2015-2019
(in million pesos)

Industry	2015	2016	2017	2018	2019
Agriculture, forestry and fishing	1,688,344	1,672,085	1,743,134	1,762,616	1,783,855
Industry	4,493,390	4,861,342	5,202,582	5,582,525	5,843,934
Services	8,809,174	9,529,249	10,230,262	10,920,048	11,740,724
Gross Domestic Product	14,990,907	16,062,676	17,175,978	18,265,190	19,368,513

Source: National Accounts of the Philippines, PSA

Table 1b. Distribution of Gross Domestic Product by Industry,
At Constant 2018 Prices, Philippines, 2015-2019
(in percent)

Industry	2015	2016	2017	2018	2019
Agriculture, forestry and fishing	11.3	10.4	10.1	9.7	9.2
Industry	30.0	30.3	30.3	30.6	30.2
Services	58.8	59.3	59.6	59.8	60.6
Gross Domestic Product	100.0	100.0	100.0	100.0	100.0

Source: National Accounts of the Philippines, PSA

Table 1c. Gross Domestic Product by Industry, At Current Prices, Philippines, 2015-2019
(in million pesos)

Industry	2015	2016	2017	2018	2019
Agriculture, forestry and fishing	1,533,369	1,544,279	1,685,956	1,762,616	1,722,211
Industry	4,250,451	4,582,981	4,987,948	5,582,525	5,887,300
Services	8,160,337	9,005,122	9,882,747	10,920,048	11,906,907
Gross Domestic Product	13,944,157	15,132,381	16,556,651	18,265,190	19,516,418

Source: National Accounts of the Philippines, PSA

Table 1d. Distribution of Gross Domestic Product by Industry,
At Current Prices, Philippines, 2015-2019
(in percent)

Industry	2015	2016	2017	2018	2019
Agriculture, forestry and fishing	11.0	10.2	10.2	9.7	8.8
Industry	30.5	30.3	30.1	30.6	30.2
Services	58.5	59.5	59.7	59.8	61.0
Gross Domestic Product	100.0	100.0	100.0	100.0	100.0

Source: National Accounts of the Philippines, PSA

Table 2a. Gross Value Added (GVA) in Agriculture, Forestry and Fishing by Sub-industry,
At Constant 2018 Prices, Philippines, 2015-2019
(in million pesos)

Sub-industry	2015	2016	2017	2018	2019
Agricultural crops	914,350	884,734	925,995	919,543	900,785
Palay	370,914	358,273	385,740	380,311	357,982
Corn	94,456	90,186	98,358	96,904	100,085
Coconut including copra	83,131	78,361	79,151	83,528	84,403
Sugarcane including muscovado sugar-making in the farm	27,103	26,336	33,557	27,988	25,484
Banana	137,071	133,719	135,806	138,215	135,355
Mango	41,567	37,460	34,023	33,050	34,456
Pineapple	26,282	26,530	27,106	27,599	27,788
Coffee	7,216	6,864	6,175	5,956	5,855
Cassava	20,735	21,079	21,517	20,932	20,216
Rubber	9,033	8,213	9,160	9,499	9,740
Cacao	1,604	1,605	1,577	1,581	1,646
Abaca	1,854	1,841	1,795	1,784	1,858
Tobacco	1,500	1,459	1,393	1,354	1,410
Other agricultural crops, n.e.c.	91,886	92,808	90,639	90,842	94,510

Table 2a. Gross Value Added (GVA) in Agriculture, Forestry and Fishing ... (Concluded)

Sub-industry	2015	2016	2017	2018	2019
Livestock	212,454	218,745	226,226	234,504	232,534
Poultry and egg production	150,972	153,681	161,433	169,999	179,875
Other animal production	43,955	46,297	49,238	53,810	70,909
Forestry and logging	2,488	2,380	2,346	2,884	3,028
Fishing and aquaculture	219,361	217,257	221,883	220,599	226,140
Support activities to agriculture, forestry and fishing	144,763	148,990	156,013	161,278	170,583
Gross Value Added in Agriculture, Forestry, and Fishing	1,688,344	1,672,085	1,743,134	1,762,616	1,783,855

Source: National Accounts of the Philippines, PSA

Table 2b. Growth Rates of GVA in Agriculture, Forestry and Fishing by Sub-industry,
At Constant 2018 Prices, Philippines, 2015-2019
(in percent)

Sub-industry	15 -16	16 -17	17 -18	18 -19
Agricultural crops	-3.2	4.7	-0.7	-2.0
Palay	-3.4	7.7	-1.4	-5.9
Corn	-4.5	9.1	-1.5	3.3
Coconut including copra	-5.7	1.0	5.5	1.0
Sugarcane including muscovado sugar-making in the farm	-2.8	27.4	-16.6	-8.9
Banana	-2.4	1.6	1.8	-2.1
Mango	-9.9	-9.2	-2.9	4.3
Pineapple	0.9	2.2	1.8	0.7
Coffee	-4.9	-10.0	-3.5	-1.7
Cassava	1.7	2.1	-2.7	-3.4
Rubber	-9.1	11.5	3.7	2.5
Cacao	0.1	-1.7	0.2	4.1
Abaca	-0.7	-2.5	-0.6	4.1
Tobacco	-2.7	-4.6	-2.8	4.1
Other agricultural crops, n.e.c.	1.0	-2.3	0.2	4.0

Table 2b. Growth Rates of GVA in Agriculture, Forestry and Fishing ... (Concluded)

Sub-industry	15 -16	16 -17	17 -18	18 -19
Livestock	3.0	3.4	3.7	-0.8
Poultry and egg production	1.8	5.0	5.3	5.8
Other animal production	5.3	6.4	9.3	31.8
Forestry and logging	-4.3	-1.4	22.9	5.0
Fishing and aquaculture	-1.0	2.1	-0.6	2.5
Support activities to agriculture, forestry and fishing	2.9	4.7	3.4	5.8
Gross Value Added in Agriculture, Forestry, and Fishing	-1.0	4.2	1.1	1.2

Source: National Accounts of the Philippines, PSA

Table 2c. Distribution of GVA in Agriculture, Forestry and Fishing by Sub-industry,
At Constant 2018 Prices, Philippines, 2015-2019
(in percent)

Sub-industry	2015	2016	2017	2018	2019
Agricultural crops	54.2	52.9	53.1	52.2	50.5
Palay	22.0	21.4	22.1	21.6	20.1
Corn	5.6	5.4	5.6	5.5	5.6
Coconut including copra	4.9	4.7	4.5	4.7	4.7
Sugarcane including muscovado sugar-making in the farm	1.6	1.6	1.9	1.6	1.4
Banana	8.1	8.0	7.8	7.8	7.6
Mango	2.5	2.2	2.0	1.9	1.9
Pineapple	1.6	1.6	1.6	1.6	1.6
Coffee	0.4	0.4	0.4	0.3	0.3
Cassava	1.2	1.3	1.2	1.2	1.1
Rubber	0.5	0.5	0.5	0.5	0.5
Cacao	0.1	0.1	0.1	0.1	0.1
Abaca	0.1	0.1	0.1	0.1	0.1
Tobacco	0.1	0.1	0.1	0.1	0.1
Other agricultural crops, n.e.c.	5.4	5.6	5.2	5.2	5.3

Table 2c. Distribution of GVA in Agriculture, Forestry and Fishing ... (Concluded)

Sub-industry	2015	2016	2017	2018	2019
Livestock	12.6	13.1	13.0	13.3	13.0
Poultry and egg production	8.9	9.2	9.3	9.6	10.1
Other animal production	2.6	2.8	2.8	3.1	4.0
Forestry and logging	0.1	0.1	0.1	0.2	0.2
Fishing and aquaculture	13.0	13.0	12.7	12.5	12.7
Support activities to agriculture, forestry and fishing	8.6	8.9	9.0	9.1	9.6
Gross Value Added in Agriculture, Forestry, and Fishing	100.0	100.0	100.0	100.0	100.0

Source: National Accounts of the Philippines, PSA

Table 2d. Gross Value Added (GVA) in Agriculture, Forestry and Fishing by Sub-industry,
At Current Prices, Philippines, 2015-2019
(in million pesos)

Sub-industry	2015	2016	2017	2018	2019
Agricultural crops	774,071	803,372	880,015	919,543	841,721
Palay	302,716	299,607	342,435	380,311	301,986
Corn	81,117	74,538	83,501	96,904	93,935
Coconut including copra	83,600	95,749	106,657	83,528	67,572
Sugarcane including muscovado sugar-making in the farm	30,973	32,166	30,404	27,988	27,240
Banana	118,946	128,612	128,374	138,215	154,434
Mango	27,111	30,400	36,231	33,050	31,973
Pineapple	20,230	23,246	24,919	27,599	30,459
Coffee	5,993	6,050	6,142	5,956	5,615
Cassava	16,683	20,164	23,276	20,932	24,557
Rubber	7,755	8,263	10,665	9,499	10,158
Cacao	1,302	1,399	1,435	1,581	1,531
Abaca	1,577	1,650	1,680	1,784	1,728
Tobacco	1,366	1,364	1,359	1,354	1,330
Other agricultural crops, n.e.c.	74,702	80,164	82,939	90,842	89,204

Table 2d. Gross Value Added (GVA) in Agriculture, Forestry and Fishing ... (Concluded)

Sub-industry	2015	2016	2017	2018	2019
Livestock	208,088	196,764	205,081	234,504	238,900
Poultry and egg production	158,768	157,937	172,435	169,999	180,678
Other animal production	36,890	40,273	46,788	53,810	53,067
Forestry and logging	3,658	3,007	3,031	2,884	2,626
Fishing and aquaculture	221,023	202,403	222,121	220,599	232,984
Support activities to agriculture, forestry and fishing	130,871	140,522	156,484	161,278	172,235
Gross Value Added in Agriculture, Forestry, and Fishing	1,533,369	1,544,279	1,685,956	1,762,616	1,722,211

Source: National Accounts of the Philippines, PSA

Table 2e. Growth Rates of GVA in Agriculture, Forestry and Fishing by Sub-industry,
At Current Prices, Philippines, 2015-2019
(in percent)

Sub-industry	15 -16	16 -17	17 -18	18 -19
Agricultural crops	3.8	9.5	4.5	-8.5
Palay	-1.0	14.3	11.1	-20.6
Corn	-8.1	12.0	16.1	-3.1
Coconut including copra	14.5	11.4	-21.7	-19.1
Sugarcane including muscovado sugar-making in the farm	3.9	-5.5	-7.9	-2.7
Banana	8.1	-0.2	7.7	11.7
Mango	12.1	19.2	-8.8	-3.3
Pineapple	14.9	7.2	10.8	10.4
Coffee	0.9	1.5	-3.0	-5.7
Cassava	20.9	15.4	-10.1	17.3
Rubber	6.5	29.1	-10.9	6.9
Cacao	7.4	2.6	10.1	-3.2
Abaca	4.6	1.8	6.2	-3.2
Tobacco	-0.2	-0.4	-0.3	-1.8
Other agricultural crops, n.e.c.	7.3	3.5	9.5	-1.8

Table 2e. Growth Rates of GVA in Agriculture, Forestry and Fishing ... (Concluded)

Sub-industry	15 -16	16 -17	17 -18	18 -19
Livestock	-5.4	4.2	14.3	1.9
Poultry and egg production	-0.5	9.2	-1.4	6.3
Other animal production	9.2	16.2	15.0	-1.4
Forestry and logging	-17.8	0.8	-4.8	-9.0
Fishing and aquaculture	-8.4	9.7	-0.7	5.6
Support activities to agriculture, forestry and fishing	7.4	11.4	3.1	6.8
Gross Value Added in Agriculture, Forestry, and Fishing	0.7	9.2	4.5	-2.3

Source: National Accounts of the Philippines, PSA

Table 2f. Distribution of GVA in Agriculture, Forestry and Fishing by Sub-industry,
At Current Prices, Philippines, 2015-2019,
(in percent)

Sub-industry	2015	2016	2017	2018	2019
Agricultural crops	50.5	52.0	52.2	52.2	48.9
Palay	19.7	19.4	20.3	21.6	17.5
Corn	5.3	4.8	5.0	5.5	5.5
Coconut including copra	5.5	6.2	6.3	4.7	3.9
Sugarcane including muscovado sugar-making in the farm	2.0	2.1	1.8	1.6	1.6
Banana	7.8	8.3	7.6	7.8	9.0
Mango	1.8	2.0	2.1	1.9	1.9
Pineapple	1.3	1.5	1.5	1.6	1.8
Coffee	0.4	0.4	0.4	0.3	0.3
Cassava	1.1	1.3	1.4	1.2	1.4
Rubber	0.5	0.5	0.6	0.5	0.6
Cacao	0.1	0.1	0.1	0.1	0.1
Abaca	0.1	0.1	0.1	0.1	0.1
Tobacco	0.1	0.1	0.1	0.1	0.1
Other agricultural crops, n.e.c.	4.9	5.2	4.9	5.2	5.2

Table 2f. Distribution of GVA in Agriculture, Forestry and Fishing ... (Concluded)

Sub-industry	2015	2016	2017	2018	2019
Livestock	13.6	12.7	12.2	13.3	13.9
Poultry and egg production	10.4	10.2	10.2	9.6	10.5
Other animal production	2.4	2.6	2.8	3.1	3.1
Forestry and logging	0.2	0.2	0.2	0.2	0.2
Fishing and aquaculture	14.4	13.1	13.2	12.5	13.5
Support activities to agriculture, forestry and fishing	8.5	9.1	9.3	9.1	10.0
Gross Value Added in Agriculture, Forestry, and Fishing	100.0	100.0	100.0	100.0	100.0

Source: National Accounts of the Philippines, PSA

MODULES OF THE AGRICULTURAL INDICATORS SYSTEM

1. Government Support in Agriculture Sector
2. **Economic Growth: Agriculture**
3. Output and Productivity
4. Agricultural Resources
5. Agricultural Exports and Imports
6. Food Availability and Sufficiency
7. Employment and Wages in the Agriculture Sector
8. Prices and Marketing of Agricultural Commodities

**AGRICULTURAL INDICATORS SYSTEM
ECONOMIC GROWTH: AGRICULTURE
PHILIPPINE STATISTICS AUTHORITY**

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