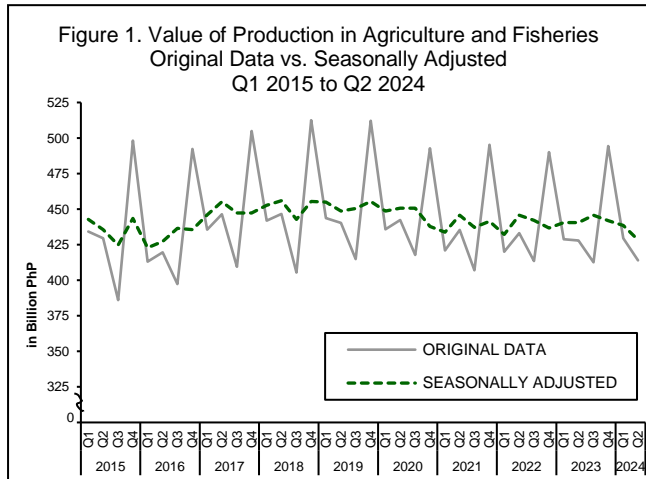


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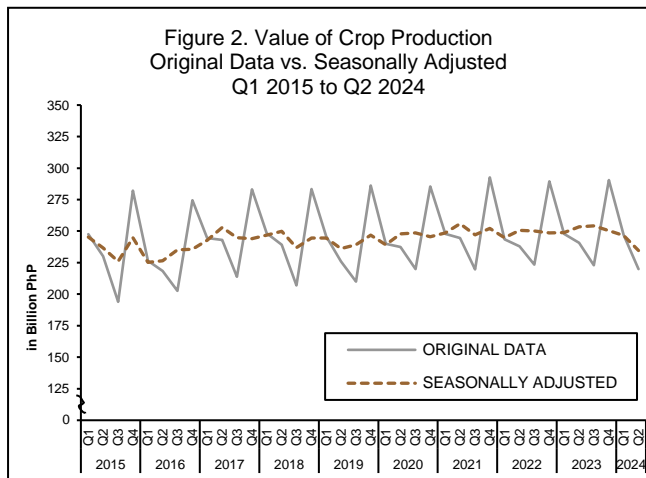
The Seasonally Adjusted Value of Production in Agriculture and Fisheries, Second Quarter 2024 (at Constant 2018 Prices)

Date of Release: 07 August 2024
Reference No. 2024-253



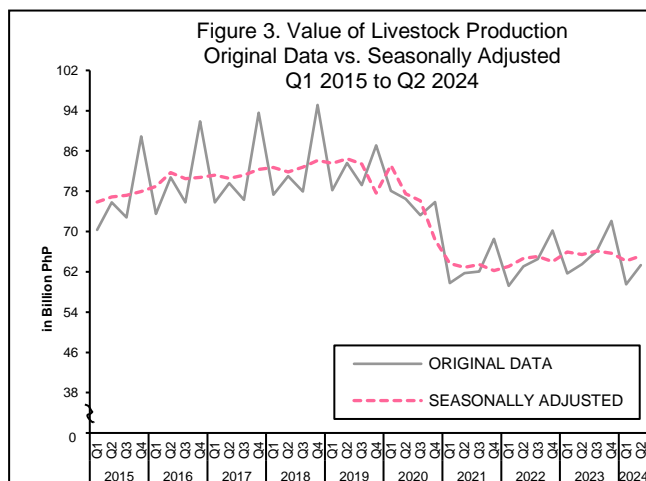
Value of Agriculture and Fisheries Production

In the second quarter of 2024, the seasonally adjusted value of production in agriculture and fisheries posted a quarter-on-quarter decline of 2.3 percent. This was due to the decreases in the value of crops and fisheries production. (Table 2.1)



Value of Crop Production

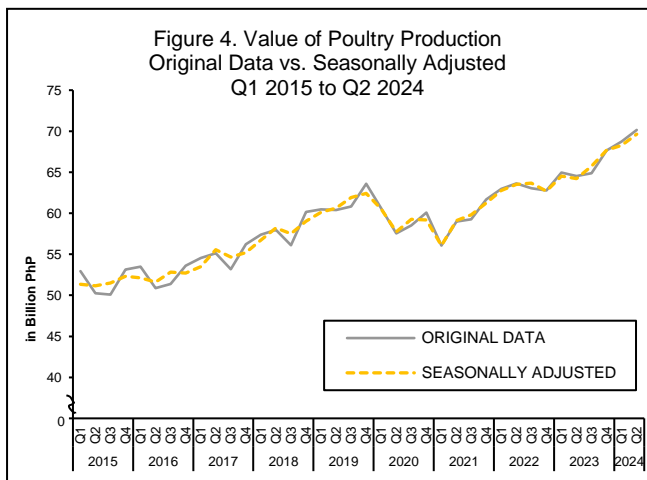
The seasonally adjusted value of crop production posted a quarter-on-quarter contraction of 4.8 percent. The top contributors to the decline were palay, corn, and sugarcane. (Table 2.1)



Value of Livestock Production

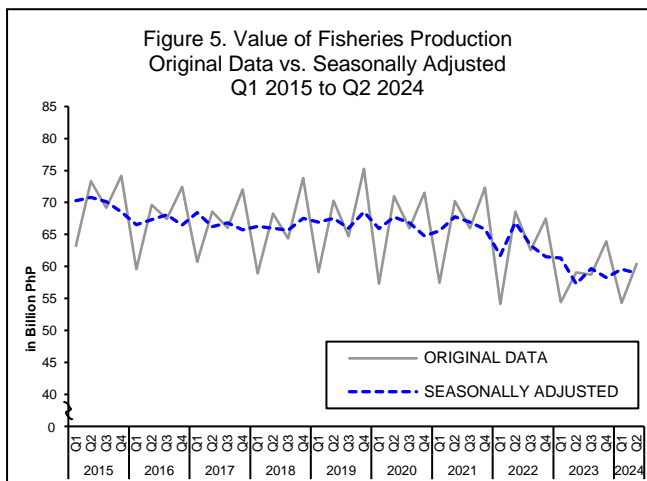
For livestock, the seasonally adjusted value of production recorded a quarter-on-quarter growth of 1.5 percent. Hog was the only contributor to the quarter-on-quarter growth in the value of production during the second quarter of 2024. (Table 2.1)



Value of Poultry Production

The second quarter of 2024 seasonally adjusted value of poultry production registered a quarter-on-quarter growth of 2.0 percent. The value of chicken production was the major contributor to the quarter-on-quarter growth. (Table 2.1)



Value of Fisheries Production

The deseasonalized value of fisheries production posted a quarter-on-quarter reduction of 1.0 percent in the second quarter of 2024. The primary contributors to the quarter-on-quarter decline were tigerprawn (sugpo), seaweed, and tilapia. (Table 2.1)

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National Statistician and Civil Registrar General

DGLDP/MCP/MCEDG

Attachments:

1. *Statistical Tables, Second Quarter 2024 Seasonally Adjusted Value of Production in Agriculture and Fisheries*
2. *Technical Notes, Seasonally Adjusted Value of Production in Agriculture and Fisheries*
3. *Infographics, Second Quarter 2024 Seasonally Adjusted Value of Production in Agriculture and Fisheries*

Table 1.1. Seasonally Adjusted Value of Production in Agriculture and Fisheries at Constant 2018 Prices,
First Quarter 2022 to Second Quarter 2024
(in Million PhP)

Subsector	2022				2023				2024	
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
Crops	244,687	250,707	250,112	248,608	248,826	253,537	254,148	250,389	246,611	234,731
Livestock	63,100	64,670	65,050	64,019	65,937	65,403	66,105	65,652	64,188	65,173
Poultry	62,786	63,501	63,686	62,711	64,521	64,215	65,729	67,684	68,273	69,636
Fisheries	61,699	66,866	63,280	61,496	61,320	57,285	59,659	58,253	59,554	58,941
AGRICULTURE AND FISHERIES	432,272	445,744	442,128	436,834	440,604	440,440	445,642	441,979	438,625	428,481

Note: Details may not add up to totals due to rounding

Source: Philippine Statistics Authority

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Table 1.2. Seasonally Adjusted Value of Crop Production at Constant 2018 Prices, First Quarter 2022 to Second Quarter 2024
(in Million Php)

Subsector/ Commodity	2022				2023				2024	
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
Crops	244,687	250,707	250,112	248,608	248,826	253,537	254,148	250,389	246,611	234,731
Palay	98,042	101,438	101,825	98,783	102,612	102,743	101,187	99,634	100,480	94,922
Corn	28,715	30,426	27,033	29,781	29,593	30,405	29,237	28,846	29,572	26,351
Banana	37,762	38,429	38,206	37,947	38,123	38,363	38,192	37,835	36,542	37,051
Coconut	22,955	23,097	23,301	23,323	23,390	23,394	22,991	22,862	22,605	22,469
Mango	6,868	6,720	6,641	6,709	7,067	7,469	7,585	7,293	7,288	7,252
Sugarcane	8,596	8,854	10,803	9,944	6,356	8,746	9,770	10,986	8,675	7,098
Pineapple	8,234	8,020	8,056	8,226	7,985	8,340	8,304	8,205	8,128	8,132
Cassava	4,157	4,241	4,327	4,355	4,303	4,299	4,192	4,162	4,096	4,041
Rubber	2,425	2,482	2,466	2,347	2,298	2,244	2,149	2,160	2,253	2,065
Sweet Potato	2,376	2,407	2,351	2,355	2,247	2,225	2,213	2,228	2,075	2,096
Onion	2,184	2,598	2,343	2,741	2,296	2,760	6,576	2,689	2,850	1,887
Eggplant	1,893	1,893	1,830	1,818	1,857	1,848	1,558	1,846	1,787	1,735
Coffee	813	791	782	824	821	815	823	811	1,026	804
Tobacco	871	1,018	767	822	1,016	1,067	1,488	2,442	1,128	1,067
Abaca	1,149	1,209	1,219	1,143	1,170	1,192	1,143	1,172	1,140	1,053
Tomato	924	955	971	953	962	944	971	965	957	756
Potato	942	945	1,021	963	919	930	807	903	920	912
Ampalaya	843	847	846	811	846	875	790	833	816	816
Cabbage	701	753	767	714	733	728	671	807	787	765
Calamansi	567	534	583	574	554	547	537	553	578	574
Mongo	513	518	514	495	498	512	413	492	462	443
Cacao	216	209	212	216	214	218	224	222	222	230
Other Crops	12,939	12,321	13,248	12,765	12,964	12,872	12,327	12,442	12,224	12,211

Note: Details may not add up to totals due to rounding

Source: Philippine Statistics Authority

Table 1.3. Seasonally Adjusted Value of Livestock and Poultry Production at Constant 2018 Prices,
First Quarter 2022 to Second Quarter 2024
(in Million PhP)

Subsector/ Commodity	2022				2023				2024	
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
Livestock	63,100	64,670	65,050	64,019	65,937	65,403	66,105	65,652	64,188	65,173
Hog	50,882	52,385	52,681	51,747	53,758	53,186	53,893	53,491	51,974	53,056
Cattle	6,353	6,477	6,453	6,492	6,442	6,390	6,372	6,327	6,428	6,403
Carabao	3,132	3,069	3,166	3,080	3,073	3,107	3,118	3,085	3,084	3,049
Goat	2,427	2,436	2,438	2,418	2,397	2,445	2,432	2,421	2,379	2,361
Dairy	307	304	312	281	268	275	290	329	322	303
Poultry	62,786	63,501	63,686	62,711	64,521	64,215	65,729	67,684	68,273	69,636
Chicken	43,211	43,310	44,032	43,367	44,367	44,528	45,289	46,965	47,661	48,382
Duck	636	690	664	676	666	705	689	686	688	701
Chicken Eggs	17,638	18,127	17,636	17,377	18,160	17,709	18,443	18,729	18,642	19,279
Duck Eggs	1,301	1,374	1,354	1,292	1,328	1,273	1,308	1,305	1,282	1,274

Note: Details may not add up to totals due to rounding

Source: Philippine Statistics Authority

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Table 1.4. Seasonally Adjusted Value of Fisheries Production at Constant 2018 Prices,
First Quarter 2022 to Second Quarter 2024
(in Million PhP)

Subsector/ Commodity	2022				2023				2024	
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
Fisheries	61,699	66,866	63,280	61,496	61,320	57,285	59,659	58,253	59,554	58,941
Milkfish (Bangus)	9,344	10,794	10,138	9,770	9,901	8,887	8,963	9,117	8,861	8,751
Tilapia	5,596	5,854	5,609	6,032	5,908	5,806	5,915	5,737	6,167	5,671
Tiger Prawn (Sugpo)	4,495	3,768	4,388	3,959	3,381	3,955	3,079	3,093	3,226	2,388
Skipjack (Gulyasan)	3,702	4,588	4,246	4,527	3,759	2,330	3,707	4,469	4,842	5,621
Roundscad (Galunggong)	3,056	2,856	2,780	2,810	2,715	3,709	3,171	2,964	3,046	3,186
Seaweed	2,925	3,161	2,719	2,653	2,904	2,962	3,061	3,013	2,919	2,180
Yellowfin Tuna (Tambakol/Bariles)	2,160	2,218	2,382	2,303	2,260	1,761	2,981	2,469	2,538	2,558
Mudcrab (Alimango)	2,479	2,182	2,098	1,408	1,705	1,768	1,566	1,583	1,279	1,397
Frigate Tuna (Tulingan)	1,803	1,406	1,716	1,692	1,297	1,224	1,587	1,619	1,679	1,651
Big-eyed Scad (Matangbaka)	2,138	2,495	1,840	2,366	2,261	2,472	2,437	2,236	2,119	1,934
<i>Bali Sardinella</i> (Tamban)	2,248	1,959	1,876	1,681	2,281	1,865	1,808	1,771	1,645	1,834
Squid (Pusit)	1,413	1,844	2,014	1,546	1,647	1,538	1,479	1,456	1,547	1,437
Blue Crab (Alimasag)	1,128	970	957	1,151	1,218	826	804	806	846	886
Bigeye Tuna (Tambakol/ Bariles)	704	1,097	1,063	447	457	551	623	840	678	1,069
Grouper (Lapu-lapu)	1,169	1,754	1,212	1,098	1,179	1,095	1,020	962	851	748
Indian Mackerel (Alumahan)	1,023	903	752	666	847	855	1,221	1,056	879	872
Threadfin Bream (Bisugo)	1,301	938	972	926	999	818	774	658	638	757
Slipmouth (Sapsap)	610	578	508	435	471	469	505	386	383	362
Cavalla (Talakitok)	860	710	838	668	668	681	676	676	685	701
Fimbriated Sardines (Tunsoy)	292	450	447	441	251	266	276	297	353	286
Other Fisheries	13,250	16,340	14,725	14,918	15,211	13,448	14,006	13,046	14,374	14,653

Note: Details may not add up to totals due to rounding

Source: Philippine Statistics Authority

Table 2.1. Quarter-on-Quarter Growth Rates of Seasonally Adjusted Value of Production in Agriculture and Fisheries at Constant 2018 Prices, First Quarter 2022 to Second Quarter 2024 (in percent)

Subsector	2022				2023			2024	
	Q1-Q2	Q2-Q3	Q3-Q4	Q4-Q1	Q1-Q2	Q2-Q3	Q3-Q4	Q4-Q1	Q1-Q2
Crops	2.5	-0.2	-0.6	0.09	1.9	0.2	-1.5	-1.5	-4.8
Livestock	2.5	0.59	-1.6	3.0	-0.8	1.1	-0.7	-2.2	1.5
Poultry	1.1	0.3	-1.5	2.9	-0.5	2.4	3.0	0.9	2.0
Fisheries	8.4	-5.4	-2.8	-0.3	-6.6	4.1	-2.4	2.2	-1.0
AGRICULTURE AND FISHERIES	3.1	-0.8	-1.2	0.9	-0.04	1.2	-0.8	-0.8	-2.3

Source: Philippine Statistics Authority

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Table 2.2. Quarter-on-Quarter Growth Rates of Seasonally Adjusted Value of Crop Production at Constant 2018 Prices,
First Quarter 2022 to Second Quarter 2024
(in percent)

Subsector/ Commodity	2022			2023			2024		
	Q1-Q2	Q2-Q3	Q3-Q4	Q4-Q1	Q1-Q2	Q2-Q3	Q3-Q4	Q4-Q1	Q1-Q2
Crops	2.5	-0.2	-0.6	0.09	1.9	0.2	-1.5	-1.5	-4.8
Palay	3.5	0.4	-3.0	3.9	0.1	-1.5	-1.5	0.8	-5.5
Corn	6.0	-11.2	10.2	-0.6	2.7	-3.8	-1.3	2.5	-10.9
Banana	1.8	-0.6	-0.7	0.5	0.6	-0.4	-0.9	-3.4	1.4
Coconut	0.6	0.9	0.1	0.3	0.02	-1.7	-0.6	-1.1	-0.6
Mango	-2.1	-1.2	1.0	5.3	5.7	1.5	-3.9	-0.1	-0.5
Sugarcane	3.0	22.0	-8.0	-36.1	37.6	11.7	12.4	-21.0	-18.2
Pineapple	-2.6	0.5	2.1	-2.9	4.4	-0.4	-1.2	-0.9	0.1
Cassava	2.0	2.0	0.6	-1.2	-0.1	-2.5	-0.7	-1.6	-1.3
Rubber	2.3	-0.6	-4.8	-2.1	-2.4	-4.2	0.5	4.3	-8.3
Sweet Potato	1.3	-2.3	0.1	-4.6	-1.0	-0.6	0.7	-6.9	1.0
Onion	19.0	-9.8	17.0	-16.2	20.2	138.2	-59.1	6.0	-33.8
Eggplant	-0.02	-3.3	-0.7	2.2	-0.5	-15.7	18.5	-3.2	-2.9
Coffee	-2.7	-1.2	5.4	-0.4	-0.7	0.9	-1.5	26.5	-21.6
Tobacco	16.8	-24.6	7.2	23.5	5.0	39.4	64.2	-53.8	-5.4
Abaca	5.2	0.9	-6.3	2.3	2.0	-4.1	2.5	-2.7	-7.6
Tomato	3.4	1.6	-1.8	0.9	-1.9	2.8	-0.6	-0.9	-21.0
Potato	0.3	8.1	-5.7	-4.6	1.2	-13.3	12.0	1.9	-0.9
Ampalaya	0.5	-0.1	-4.2	4.4	3.5	-9.8	5.5	-2.1	-0.02
Cabbage	7.4	1.8	-6.9	2.6	-0.7	-7.7	20.2	-2.5	-2.7
Calamansi	-5.8	9.1	-1.4	-3.6	-1.3	-1.8	3.1	4.5	-0.7
Mongo	0.9	-0.8	-3.7	0.8	2.6	-19.2	19.2	-6.2	-4.0
Cacao	-3.0	1.6	1.6	-0.6	1.5	2.9	-0.9	0.2	3.6
Other Crops	-4.8	7.5	-3.6	1.6	-0.7	-4.2	0.9	-1.8	-0.1

Source: Philippine Statistics Authority

Table 2.3. Quarter-on-Quarter Growth Rates of Seasonally Adjusted Value of Livestock and Poultry Production at Constant 2018 Prices, First Quarter 2022 to Second Quarter 2024 (in percent)

Subsector/ Commodity	2022				2023			2024	
	Q1-Q2	Q2-Q3	Q3-Q4	Q4-Q1	Q1-Q2	Q2-Q3	Q3-Q4	Q4-Q1	Q1-Q2
Livestock	2.5	0.59	-1.6	3.0	-0.8	1.1	-0.7	-2.2	1.5
Hog	3.0	0.6	-1.8	3.9	-1.1	1.3	-0.7	-2.8	2.1
Cattle	2.0	-0.4	0.6	-0.8	-0.8	-0.3	-0.7	1.6	-0.4
Carabao	-2.0	3.2	-2.7	-0.2	1.1	0.4	-1.1	-0.01	-1.2
Goat	0.4	0.1	-0.8	-0.9	2.0	-0.5	-0.5	-1.7	-0.7
Dairy	-1.0	2.7	-9.8	-4.9	2.7	5.6	13.2	-2.0	-5.8
Poultry	1.1	0.3	-1.5	2.9	-0.5	2.4	3.0	0.9	2.0
Chicken	0.2	1.7	-1.5	2.3	0.4	1.7	3.7	1.5	1.5
Duck	8.5	-3.8	1.7	-1.4	5.9	-2.2	-0.5	0.3	1.9
Chicken Eggs	2.8	-2.7	-1.5	4.5	-2.5	4.1	1.5	-0.5	3.4
Duck Eggs	5.6	-1.4	-4.6	2.8	-4.2	2.7	-0.2	-1.8	-0.6

Source: Philippine Statistics Authority

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Table 2.4. Quarter-on-Quarter Growth Rates of Seasonally Adjusted Value of Fisheries Production at Constant 2018 Prices, First Quarter 2022 to Second Quarter 2024 (in percent)

Subsector/ Commodity	2022			2023				2024	
	Q1-Q2	Q2-Q3	Q3-Q4	Q4-Q1	Q1-Q2	Q2-Q3	Q3-Q4	Q4-Q1	Q1-Q2
Fisheries	8.4	-5.4	-2.8	-0.3	-6.6	4.1	-2.4	2.2	-1.0
Milkfish (Bangus)	15.5	-6.1	-3.6	1.3	-10.2	0.9	1.7	-2.8	-1.2
Tilapia	4.6	-4.2	7.5	-2.1	-1.7	1.9	-3.0	7.5	-8.0
Tiger Prawn (Sugpo)	-16.2	16.5	-9.8	-14.6	17.0	-22.1	0.5	4.3	-26.0
Skipjack (Gulyasan)	23.9	-7.4	6.6	-17.0	-38.0	59.1	20.6	8.3	16.1
Roundscad (Galunggong)	-6.6	-2.7	1.1	-3.4	36.6	-14.5	-6.5	2.8	4.6
Seaweed	8.1	-14.0	-2.4	9.5	2.0	3.3	-1.6	-3.1	-25.3
Yellowfin Tuna (Tambakol/Bariles)	2.7	7.4	-3.3	-1.9	-22.0	69.2	-17.2	2.8	0.8
Mudcrab (Alimango)	-12.0	-3.9	-32.9	21.1	3.7	-11.4	1.1	-19.2	9.2
Frigate Tuna (Tulingan)	-22.0	22.0	-1.4	-23.4	-5.6	29.7	2.0	3.7	-1.6
Big-eyed Scad (Matangbaka)	16.7	-26.2	28.6	-4.5	9.3	-1.4	-8.2	-5.2	-8.8
<i>Bali Sardinella</i> (Tamban)	-12.9	-4.2	-10.4	35.6	-18.2	-3.1	-2.0	-7.1	11.5
Squid (Pusit)	30.5	9.2	-23.2	6.5	-6.6	-3.8	-1.6	6.3	-7.1
Blue Crab (Alimasag)	-14.0	-1.4	20.3	5.8	-32.1	-2.7	0.21	5.0	4.8
Bigeye Tuna (Tambakol/ Bariles)	55.7	-3.0	-58.0	2.4	20.4	13.1	34.9	-19.3	57.7
Grouper (Lapu-lapu)	50.1	-30.9	-9.4	7.5	-7.1	-6.9	-5.7	-11.5	-12.1
Indian Mackerel (Alumahan)	-11.8	-16.7	-11.4	27.2	0.9	42.8	-13.5	-16.8	-0.8
Threadfin Bream (Bisugo)	-27.9	3.6	-4.7	7.8	-18.1	-5.3	-15.0	-3.0	18.7
Slipmouth (Sapsap)	-5.3	-12.1	-14.4	8.4	-0.3	7.6	-23.5	-0.8	-5.5
Cavalla (Talakitok)	-17.4	18.0	-20.3	0.02	1.8	-0.6	-0.04	1.3	2.3
Fimbriated Sardines (Tunsoy)	54.3	-0.8	-1.2	-43.1	6.0	3.8	7.4	19.0	-19.0
Other Fisheries	23.3	-9.9	1.3	2.0	-11.6	4.1	-6.9	10.2	1.9

Source: Philippine Statistics Authority

TECHNICAL NOTES

I. Introduction

The Seasonally Adjusted Value of Production in Agriculture and Fisheries presents the accomplishments of agriculture and fisheries during a particular reference period without the effects of seasonal factors. It covers all agriculture and fishery commodities, highlighting 22 commodities for crops, nine commodities for livestock and poultry, and 20 commodities for fisheries.

By removing the seasonal component from the series, seasonal adjustment reveals the true movement or behavior, enabling comparisons across time periods.

II. Data Collection

The generation of the original series on the Value of Production in Agriculture and Fisheries requires data on volume of production and farmgate prices. These data are sourced from the following PSA surveys and administrative-based records from other government agencies:

Variable	Source	
1. Volume of Production by Commodity		
a. Crops	Palay Production Survey (PPS)	
	Corn Production Survey (CPS)	
	Crops Production Survey (CrPS)	
b. Livestock and Poultry	Backyard Livestock and Poultry Survey (BLPS)	
	Commercial Livestock and Poultry Survey (CLPS)	
2. Volume and Value of Production at Current prices by Fish Commodity		
a. Fisheries	Quarterly Municipal Fisheries Survey (QMFS)	
	Quarterly Inland Fisheries Survey (QIFS)	
	Quarterly Commercial Fisheries Survey (QCFS)	
	Quarterly Aquaculture Survey (QAqS)	
3. Farmgate Prices		
a. Crops	Farm Prices Survey (FPS) CPS CrPS	
	b. Livestock and Poultry	FPS, BLPS, and CLPS
	c. Fisheries	QMFS
QIFS		
QCFS		
QAqS		
4. Administrative Data		
a. Volume of Production of Centrifugal Sugar and Raw Sugar	Sugar Regulatory Administration (SRA)	

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Variable	Source
b. Dairy Production and Price for Goat and Cattle	National Dairy Authority (NDA)
c. Dairy Production and Price for Carabao	Philippine Carabao Center (PCC)
d. Volume and Value of Commercial Fish Unloadings	Philippine Fisheries Development Authority (PFDA), Local Government Units (LGUs), and Privately Managed Landing Centers
e. Volume and Value of Municipal Fish Unloadings	PFDA and LGUs

III. Methodology

The Seasonal Adjustment of the Value of Production in Agriculture and Fisheries uses the internationally recommended seasonal adjustment method which is the X-13 Auto-Regressive Integrated Moving Average (ARIMA) of JDemetra+.

The Seasonally Adjusted Value of Production in Agriculture and Fisheries is generated using Indirect Approach, or by seasonally adjusting the following: 22 highlighted commodities for crops and other crops; nine commodities for livestock and poultry; and 20 commodities for fisheries and other fisheries. Thereafter, the seasonally adjusted components are being added to produce the indirect seasonal adjustment aggregates.

To ensure the quality of generated seasonally adjusted estimates, Quality Statistic (Q-statistic) is measured for each adjusted series.

IV. Concepts and Definition of Terms

Value of Production at Constant Prices refers to the valuation of transactions, wherein the influence of price changes from the base year to the current year has been removed.

Seasonality (seasonal component) is a regular fluctuation with similar patterns and magnitude that repeatedly occur within a calendar year and normally observed for high frequency data such as monthly and quarterly series. (*Seasonally Adjusted National Accounts: Sources and Methods, 2023*)

Seasonal Adjustment is a statistical technique to remove the effects of seasonal influences operating on a time series. (*Seasonally Adjusted National Accounts: Sources and Methods, 2023*)

V. Dissemination of Results

The Special Release on the Seasonally Adjusted Value of Production in Agriculture and Fisheries is being released quarterly in the PSA website.

Seasonally Adjusted Value of Production in Agriculture and Fisheries Report	Schedule of Release
First Quarter of the Current Year	May of the Current Year
Second Quarter of the Current Year	August of the Current Year
Third Quarter of the Current Year	November of the Current Year
Fourth Quarter of the Current Year	January of the Succeeding Year

Table 3. 1. Summary of Decomposition and ARIMA Models Used in the Generation of Seasonally Adjusted Value of Production in Agriculture and Fisheries, Second Quarter 2024

Commodity	Decomposition	ARIMA Model
Crops		
Palay	Additive	(0,0,0)(0,1,1)
Corn	Additive	(0,0,0)(0,1,1)
Banana	Multiplicative	(1,0,0)(0,1,0)
Coconut	Additive	(1,0,0)(0,1,1)
Mango	Multiplicative	(1,0,0)(0,1,0)
Sugarcane	Additive	(2,0,0)(0,1,1)
Pineapple	Multiplicative	(1,0,1)(0,1,0)
Cassava	Additive	(1,0,0)(0,1,0)
Rubber	Additive	(1,0,0)(0,1,0)
Sweet Potato	Multiplicative	(1,0,0)(0,1,0)
Onion	Multiplicative	(1,0,0)(0,1,0)
Eggplant	Multiplicative	(2,0,2)(0,1,0)
Coffee	Multiplicative	(1,0,1)(0,1,0)
Tobacco	Multiplicative	(0,0,1)(0,1,1)
Abaca	Multiplicative	(1,0,0)(0,1,1)
Tomato	Additive	(0,0,1)(0,1,0)
Potato	Multiplicative	(0,0,0)(0,1,0)
Ampalaya	Additive	(0,1,1)(0,1,1)
Cabbage	Multiplicative	(0,0,0)(1,1,0)
Calamansi	Multiplicative	(1,0,0)(0,1,0)
Mongo	Multiplicative	(0,0,0)(0,1,0)
Cacao	Multiplicative	(0,1,1)(0,1,0)
Other Crops	Additive	(1,0,0)(0,1,0)

Table 3.1. --Continued

Commodity	Decomposition	ARIMA Model
Livestock		
Hog	Multiplicative	(1,0,1)(0,1,0)
Cattle	Additive	(1,1,0)(0,1,0)
Carabao	Multiplicative	(2,0,0)(0,1,0)
Goat	Additive	(0,0,0)(1,1,0)
Dairy	Multiplicative	(1,0,2)(0,1,1)
Poultry		
Chicken	Additive	(1,0,2)(0,1,0)
Duck	Additive	(2,0,0)(1,1,0)
Chicken Eggs	Multiplicative	(0,1,1)(0,1,1)
Duck Eggs	Multiplicative	(1,1,1)(0,1,0)
Fisheries		
Milkfish (Bangus)	Multiplicative	(0,1,1)(0,1,1)
Tilapia	Multiplicative	(1,1,2)(0,1,1)
Tiger Prawn (Sugpo)	Additive	(0,1,1)(0,1,0)
Skipjack (Gulyasan)	No seasonality	
Roundscad (Galunggong)	Multiplicative	(1,0,0)(0,1,1)
Seaweed	Multiplicative	(1,0,1)(0,1,0)
Yellowfin Tuna (Tambakol/Bariles)	Multiplicative	(0,1,1)(0,1,1)
Mudcrab (Alimango)	Multiplicative	(0,1,1)(0,1,0)
Frigate Tuna (Tulingan)	Multiplicative	(1,0,0)(0,1,1)
Big-eyed Scad (Matangbaka)	Multiplicative	(1,0,2)(1,0,0)
<i>Bali Sardinella</i> (Tamban)	Multiplicative	(1,0,0)(0,1,1)
Squid (Pusit)	Multiplicative	(0,0,1)(0,1,1)
Blue Crab (Alimasag)	Multiplicative	(1,0,0)(1,1,1)
Bigeye Tuna (Tambakol/Bariles)	No seasonality	
Grouper (Lapu-lapu)	Multiplicative	(0,1,1)(0,1,1)
Indian Mackerel (Alumahan)	Additive	(1,0,1)(0,1,1)
Threadfin Bream (Bisugo)	Multiplicative	(1,0,0)(0,1,0)
Slipmouth (Sapsap)	Additive	(1,0,1)(0,1,0)
Cavalla (Talakitok)	Multiplicative	(0,1,1)(0,1,1)
Fimbriated Sardines (Tunsoy)	Multiplicative	(0,1,1)(0,1,1)
Other Fisheries	Additive	(0,1,1)(0,1,1)