



SPECIAL RELEASE

Seasonally Adjusted Palay/Rice Production and Prices October-December 2021

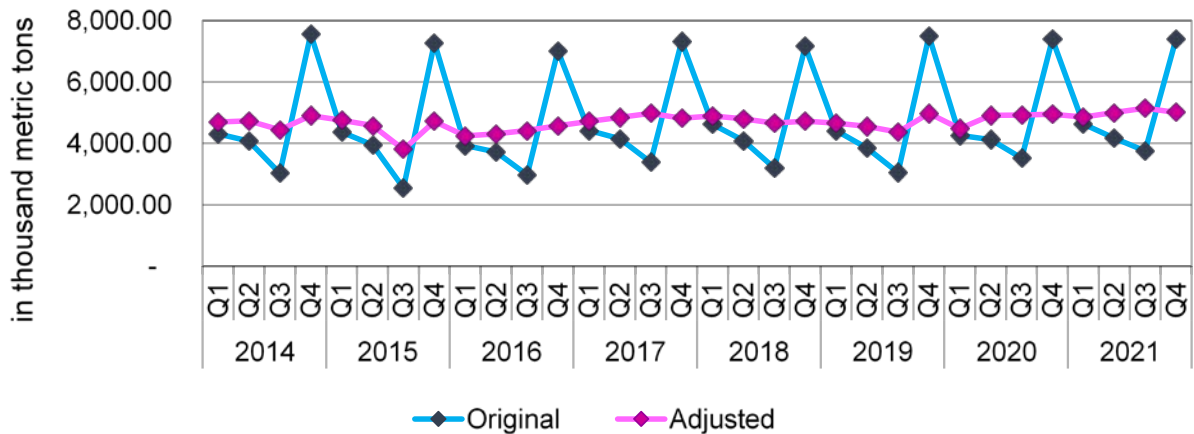
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PRODUCTION

The deseasonalized palay production from October to December 2021 was 5,009 thousand metric tons, which is lower by -2.7 percent than the third quarter deseasonalized output of 5,147 thousand metric tons. (Table 1)

This quarter's performance, when deseasonalized, was higher by 1.2 percent than the output in the same quarter of the previous year. (Figure 1 and Table 1)

Figure 1. Quarterly Palay Production, Philippines, 2014-2021



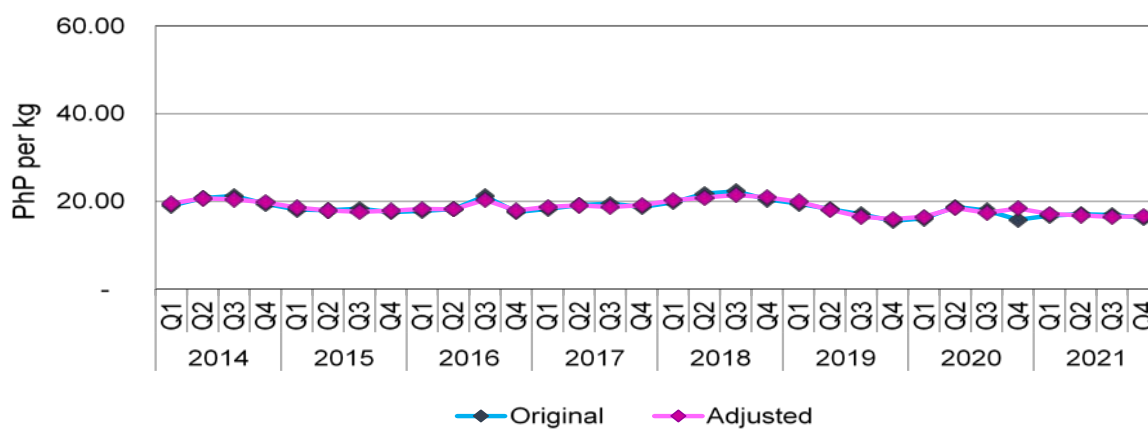
Source: Philippine Statistics Authority (PSA), Palay Production Survey (PPS)



PRICES

For October to December 2021, the deseasonalized farmgate price of palay at PhP 16.65 per kilogram went up by 1.3 percent from the preceding quarter's price of PhP 16.44 per kilogram. On the contrary, a decrease of -9.5 percent was noted compared with its previous year's same period farmgate price of PhP 18.39 per kilogram. (Figure 2 and Table 1)

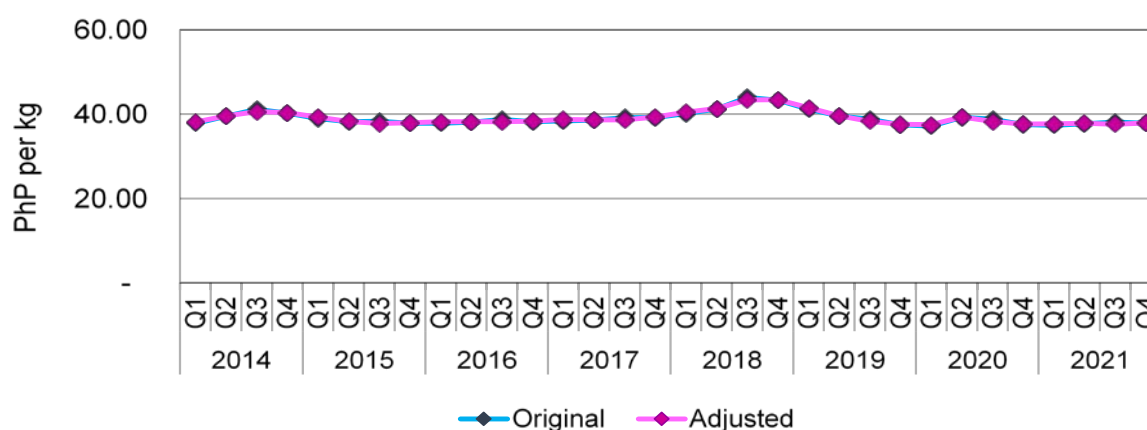
Figure 2. Quarterly Farmgate Prices of Palay, Philippines, 2014-2021



Source: Philippine Statistics Authority (PSA), Farm Prices Survey (FPS)

This quarter's deseasonalized wholesale price of rice at PhP 37.92 per kilogram recorded an increase of 0.9 percent from the preceding quarter's wholesale price of PhP 37.60 per kilogram. Similarly, it registered an increase of 0.7 percent compared with its previous year's price quotation of PhP 37.65 per kilogram. (Figure 3 and Table 2)

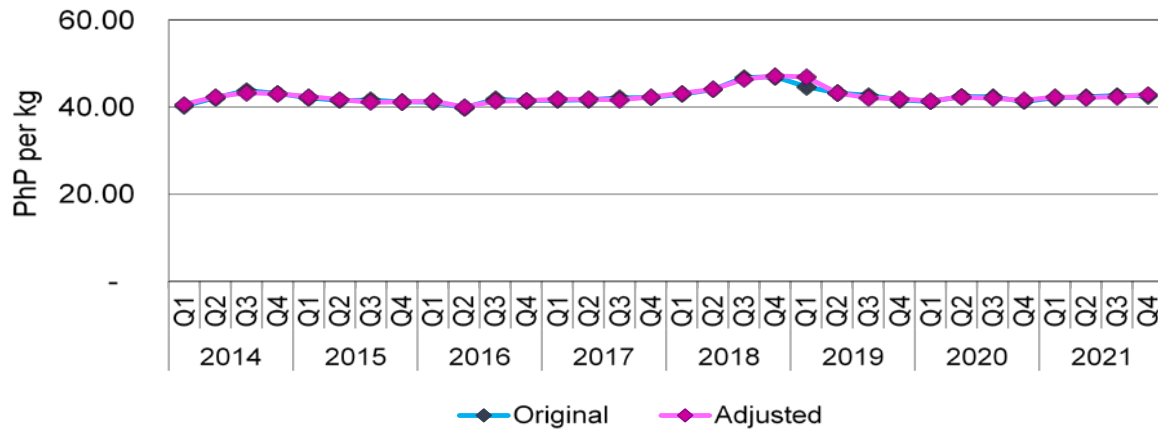
Figure 3. Quarterly Wholesale Prices of Rice, Philippines, 2014-2021



Source: Philippine Statistics Authority (PSA), Wholesale Price Survey (WPS)

In the fourth quarter of 2021, the seasonally adjusted retail price of rice at PhP 42.92 per kilogram recorded an increase of 1.3 percent from the previous quarter's retail price of PhP 42.39 per kilogram. Likewise, the current quarter's seasonally adjusted retail price went up by 3.2 percent from the same period of 2020 at PhP 41.57 per kilogram. (Figure 4 and Table 2)

Figure 4. Quarterly Retail Prices of Rice, Philippines, 2014-2021



Source: Philippine Statistics Authority (PSA), Retail Price Survey (RPS)

DENNIS S. MAPA, Ph.D.

Undersecretary

National Statistician and Civil Registrar General

**Seasonally Adjusted Palay/Rice Production and Prices
Philippines, Fourth Quarter 2021**

Table 1. Quarterly Production and Farmgate Price of Palay, Philippines 2014-2021

Year/ Quarter	PALAY PRODUCTION (in thousand M.T.)		Qtr-Qtr Change Adjusted	Yr-Yr Change Adjusted	PALAY FARMGATE PRICES (PhP per Kilo)		Qtr-Qtr Change Adjusted	Yr-Yr Change Adjusted	
	Original	Adjusted	(%)	(%)	Original	Adjusted	(%)	(%)	
(1)	(2)	(3)	(4)	(5)	(6)		(8)	(9)	
2014	Q1	4,307	4,698	-0.7	11.3	19.03	19.52	7.5	19.5
	Q2	4,073	4,730	0.7	5.8	20.74	20.69	6.0	26.2
	Q3	3,027	4,446	-6.0	-4.3	21.24	20.42	-1.3	17.2
	Q4	7,561	4,904	10.3	3.7	19.44	19.77	-3.2	8.9
2015	Q1	4,368	4,753	-3.1	1.2	18.11	18.58	-6.0	-4.8
	Q2	3,956	4,582	-3.6	-3.1	17.96	17.93	-3.5	-13.3
	Q3	2,552	3,804	-17.0	-14.4	18.31	17.58	-2.0	-13.9
	Q4	7,275	4,718	24.0	-3.8	17.54	17.86	1.6	-9.7
2016	Q1	3,932	4,245	-10.0	-10.7	17.82	18.28	2.4	-1.6
	Q2	3,715	4,309	1.5	-6.0	18.23	18.19	-0.5	1.5
	Q3	2,969	4,423	2.6	16.3	21.18	20.33	11.8	15.6
	Q4	7,012	4,573	3.4	-3.1	17.54	17.89	-12.0	0.2
2017	Q1	4,419	4,720	3.2	11.2	18.27	18.73	4.7	2.5
	Q2	4,150	4,845	2.6	12.4	19.14	19.07	1.8	4.8
	Q3	3,390	4,984	2.9	12.7	19.48	18.71	-1.9	-8.0
	Q4	7,318	4,815	-3.4	5.3	18.69	19.10	2.1	6.8
2018	Q1	4,623	4,890	1.6	3.6	19.76	20.24	6.0	8.1
	Q2	4,090	4,801	-1.8	-0.9	21.75	20.86	3.1	9.4
	Q3	3,196	4,655	-3.0	-6.6	22.30	21.46	2.9	14.7
	Q4	7,156	4,724	1.5	-1.9	20.43	20.94	-2.4	9.6
2019	Q1	4,417	4,660	-1.4	-4.7	19.49	19.94	-4.8	-1.5
	Q2	3,853	4,552	-2.3	-5.2	18.25	18.06	-9.4	-13.4
	Q3	3,051	4,369	-4.0	-6.1	17.08	16.49	-8.7	-23.2
	Q4	7,494	4,977	13.9	5.4	15.55	15.96	-3.2	-23.8
2020	Q1	4,261	4,483	-9.9	-3.8	16.11	16.47	3.2	-17.4
	Q2	4,125	4,913	9.6	7.9	18.74	18.47	12.1	2.3
	Q3	3,516	4,927	0.3	12.8	17.92	17.37	-6.0	5.3
	Q4	7,392	4,948	0.4	-0.6	15.78	18.39	5.9	15.2
2021	Q1	4,627	4,853	-1.9	8.3	16.77	17.13	-6.9	4.0
	Q2	4,173	5,006	3.2	1.9	17.07	16.79	-2.0	-9.1
	Q3	3,753	5,147	2.8	4.5	16.92	16.44	-2.1	-5.4
	Q4	7,408	5,009	-2.7	1.2	16.23	16.65	1.3	-9.5

Source: Philippine Statistics Authority (PSA), Palay Production Survey (PPS) and Farm Prices Survey (FPS)

Table 2. Quarterly Wholesale and Retail Price of Rice, Philippines 2014-2021

Year/ Quarter	RICE WHOLESAL PRICES (PhP per Kilo)		Qtr-Qtr Change Adjusted (%)	Yr-Yr Change Adjusted (%)	RICE RETAIL PRICES (PhP per Kilo)		Qtr-Qtr Change Adjusted (%)	Yr-Yr Change Adjusted (%)	
	Original	Adjusted			Original	Adjusted			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	
2014	Q1	37.79	38.13	3.1	15.3	40.28	40.60	4.2	14.5
	Q2	39.48	39.56	3.8	20.8	42.13	42.39	4.4	19.4
	Q3	41.15	40.58	2.6	15.4	43.80	43.29	2.1	15.4
	Q4	40.21	40.33	-0.6	9.0	43.11	43.04	-0.6	10.5
2015	Q1	38.97	39.33	-2.5	3.1	42.11	42.41	-1.5	4.5
	Q2	38.20	38.28	-2.7	-3.2	41.49	41.74	-1.6	-1.5
	Q3	38.30	37.77	-1.3	-6.9	41.59	41.10	-1.5	-5.1
	Q4	37.85	37.96	0.5	-5.9	41.22	41.20	0.2	-4.3
2016	Q1	37.85	38.19	0.6	-2.9	41.13	41.39	0.5	-2.4
	Q2	38.11	38.19	0.0	-0.2	39.84	40.05	-3.2	-4.0
	Q3	38.74	38.20	0.0	1.1	41.79	41.32	3.2	0.5
	Q4	38.18	38.30	0.3	0.9	41.47	41.50	0.4	0.7
2017	Q1	38.39	38.74	1.1	1.4	41.55	41.79	0.7	1.0
	Q2	38.57	38.65	-0.2	1.2	41.65	41.80	0.0	4.4
	Q3	39.19	38.65	0.0	1.2	42.11	41.66	-0.3	0.8
	Q4	39.18	39.30	1.7	2.6	42.21	42.33	1.6	2.0
2018	Q1	40.11	40.48	3.0	4.5	42.95	43.17	2.0	3.3
	Q2	41.24	41.33	2.1	6.9	44.00	44.06	2.1	5.4
	Q3	43.99	43.38	5.0	12.2	46.81	46.36	5.2	11.3
	Q4	43.29	43.42	0.1	10.5	46.96	47.17	1.7	11.4
2019	Q1	41.16	41.54	-4.3	2.6	44.66	46.88	-0.6	8.6
	Q2	39.54	39.62	-4.6	-4.1	43.25	43.21	-7.8	-1.9
	Q3	38.82	38.28	-3.4	-11.8	42.69	42.12	-2.5	-9.1
	Q4	37.46	37.57	-1.9	-13.5	41.64	41.90	-0.5	-11.2
2020	Q1	37.16	37.50	-0.2	-9.7	41.27	41.45	-1.1	-11.6
	Q2	39.22	39.30	4.8	-0.8	42.43	42.29	2.0	-2.1
	Q3	38.80	38.26	-2.6	-0.1	42.35	42.04	-0.6	-0.2
	Q4	37.54	37.65	-1.6	0.2	41.28	41.57	-1.1	-0.8
2021	Q1	37.36	37.70	0.1	0.5	42.14	42.33	1.8	2.1
	Q2	37.74	37.82	0.3	-3.8	42.38	42.17	-0.4	-0.3
	Q3	38.13	37.60	-0.6	-1.7	42.66	42.39	0.5	0.8
	Q4	37.81	37.92	0.9	0.7	42.60	42.92	1.3	3.2

Source: Philippine Statistics Authority (PSA), Wholesale Price Survey (WPS) and Retail Price Survey (RPS)

Technical Notes

The original series of palay production estimates are generated from the Quarterly Palay Production Survey (PPS), which has four survey rounds in a year: January, April, July, and October.

On the other hand, the original price data series are the results of the Farm Prices Survey (FPS) for farmgate prices of palay, and the Wholesale Price Survey (WPS) and Retail Price Survey (RPS) for wholesale and retail prices of rice.

This brief quarterly report features the seasonally adjusted (deseasonalized) rice production and price data series starting from the first quarter of 2014 using X-11 Auto-Regressive Integrated Moving Average (ARIMA). The effect of seasonality has been removed from the original data to show the trend of palay/rice production and prices without being hampered by seasonal movements.