

# SPECIAL RELEASE

## Seasonally Adjusted Palay/Rice Production and Prices January-March 2021

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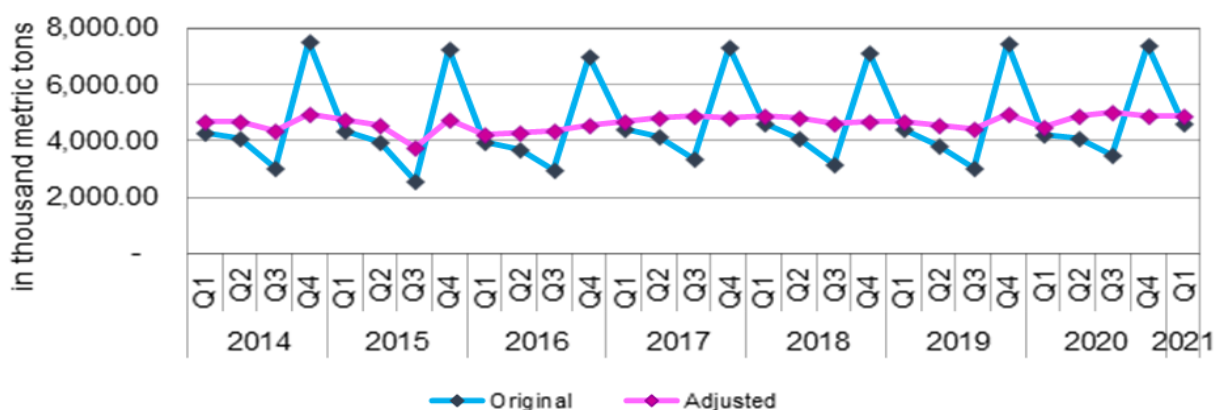
Reference No. 2021- 235

### PRODUCTION

The seasonally adjusted palay production in the first quarter of 2021 was up by 0.5 percent, from 4,892 thousand metric tons in the fourth quarter of 2020. (Table 1)

This quarter's performance when deseasonalized was higher by 9.0 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

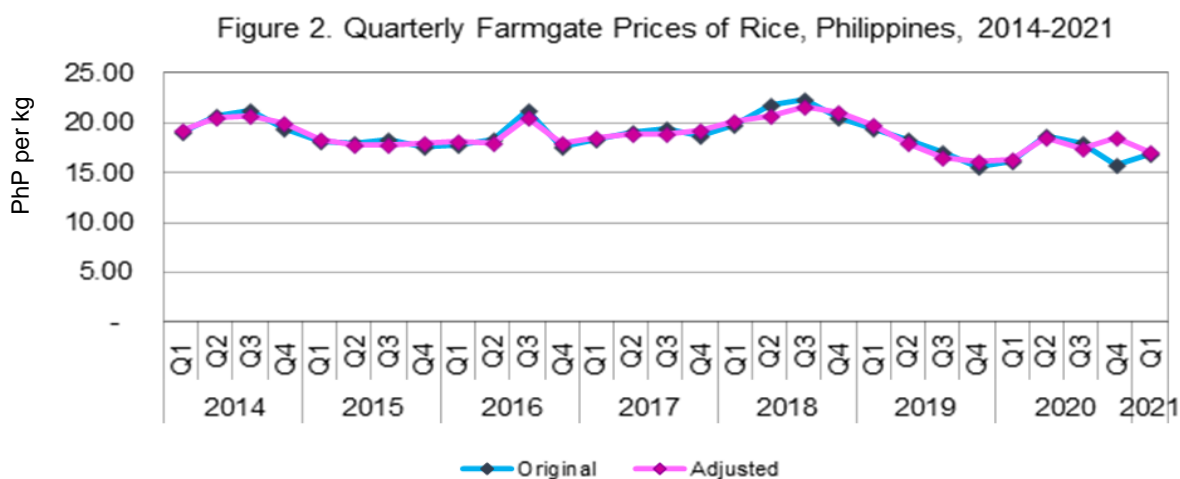


Source: Philippine Statistics Authority (PSA), Palay Production Survey (PPS)

### PRICES

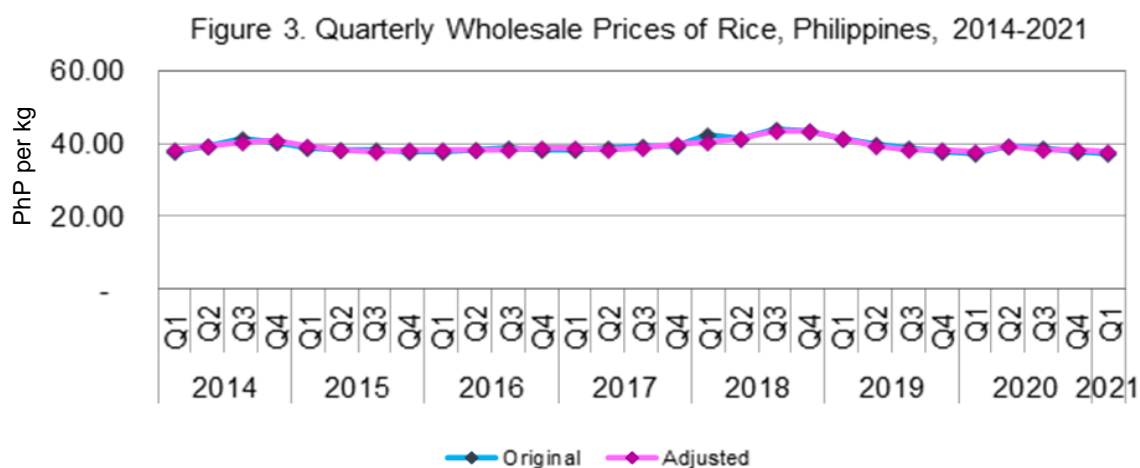
The seasonally adjusted farmgate price of palay for the first quarter of 2021 was posted at PhP 17.10 per kilogram, a decrease of -7.5 percent

from its fourth-quarter 2020 level of PhP 18.49 per kilogram. On the other hand, it increased by 4.4 percent compared with its previous year's same period farmgate price of PhP 16.38 per kilogram. (Figure 2 and Table 1)



Source: Philippine Statistics Authority (PSA), Farmgate Price Survey (FPS)

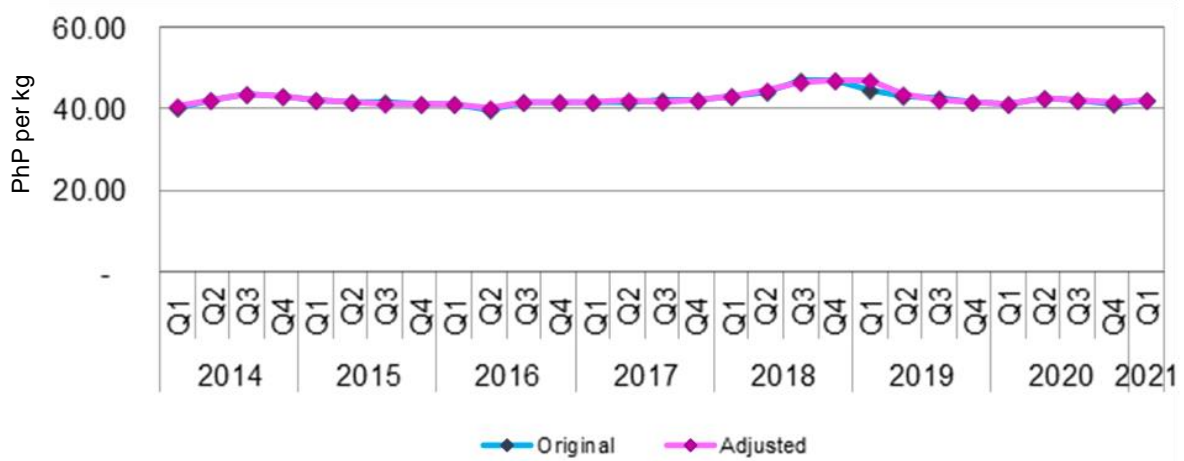
The quarter's deseasonalized wholesale price of rice at PhP 37.55 per kilogram recorded a decrease of -1.4 percent from the preceding quarter's price of PhP 38.07 per kilogram. Conversely, this quarter's deseasonalized wholesale price registered an increase of 0.2 percent compared with its previous year's price quotation of PhP 37.49 per kilogram. (Figure 3 and Table 2)



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

In the first quarter of 2021, the seasonally adjusted retail price of rice at PhP 42.14 per kilogram showed an increase of 1.8 percent from the previous quarter's retail price of PhP 41.40 per kilogram. Similarly, the current quarter's seasonally adjusted retail price went up by 2.0 percent from the same period in the 2020 record of PhP 41.30 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)

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

Table 1. Quarterly production and farm gate 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)		
2014 Q1	4,307	4,662	-1.4	10.5	19.03	19.27	6.2	18.0
Q2	4,073	4,713	1.1	5.4	20.74	20.48	6.3	25.0
Q3	3,027	4,354	-7.6	-6.3	21.24	20.69	1.0	18.7
Q4	7,561	4,965	14.0	5.0	19.44	19.93	-3.7	9.8
2015 Q1	4,368	4,741	-4.5	1.7	18.11	18.39	-7.7	-4.6
Q2	3,956	4,569	-3.6	-3.1	17.96	17.74	-3.5	-13.4
Q3	2,552	3,755	-17.8	-13.8	18.31	17.80	0.3	-14.0
Q4	7,275	4,747	26.4	-4.4	17.54	18.00	1.1	-9.7
2016 Q1	3,932	4,246	-10.6	-10.4	17.82	18.11	0.6	-1.5
Q2	3,715	4,303	1.3	-5.8	18.23	18.00	-0.6	1.5
Q3	2,969	4,389	2.0	16.9	21.18	20.56	14.2	15.5
Q4	7,012	4,587	4.5	-3.4	17.54	18.03	-12.3	0.2
2017 Q1	4,419	4,721	2.9	11.2	18.27	18.56	2.9	2.5
Q2	4,150	4,843	2.6	12.5	19.14	18.89	1.8	4.9
Q3	3,390	4,871	0.6	11.0	19.48	18.89	0.0	-8.1
Q4	7,318	4,816	-1.1	5.0	18.69	19.24	1.9	6.7
2018 Q1	4,623	4,896	1.7	3.7	19.76	20.08	4.4	8.2
Q2	4,090	4,804	-1.9	-0.8	21.75	20.72	3.2	9.7
Q3	3,196	4,648	-3.2	-4.6	22.30	21.61	4.3	14.4
Q4	7,156	4,721	1.6	-2.0	20.43	21.07	-2.5	9.5
2019 Q1	4,417	4,669	-1.1	-4.6	19.49	19.81	-6.0	-1.3
Q2	3,853	4,547	-2.6	-5.3	18.25	18.00	-9.1	-13.1
Q3	3,051	4,393	-3.4	-5.5	17.08	16.54	-8.1	-23.5
Q4	7,494	4,953	12.7	4.9	15.55	16.04	-3.0	-23.9
2020 Q1	4,258	4,510	-8.9	-3.4	16.11	16.38	2.1	-17.3
Q2	4,125	4,875	8.1	7.2	18.74	18.48	12.8	2.7
Q3	3,516	5,024	3.1	14.4	17.92	17.34	-6.2	4.8
Q4	7,392	4,892	-2.6	-1.2	15.78	18.49	6.6	15.3
2021 Q1	4,627	4,915	0.5	9.0	16.81	17.10	-7.5	4.4

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 WHOLESALE 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	38.12	3.1	15.3	40.28	40.50	4.0	14.2
Q2	39.48	39.32	3.1	20.0	42.13	42.32	4.5	19.2
Q3	41.15	40.40	2.7	14.9	43.80	43.41	2.6	15.7
Q4	40.21	40.77	0.9	10.2	43.11	43.05	-0.8	10.5
2015 Q1	38.97	39.31	-3.6	3.1	42.11	42.33	-1.7	4.5
Q2	38.20	38.04	-3.2	-3.3	41.49	41.73	-1.4	-1.4
Q3	38.30	37.61	-1.1	-6.9	41.59	41.20	-1.3	-5.1
Q4	37.85	38.38	2.0	-5.9	41.22	41.16	-0.1	-4.4
2016 Q1	37.85	38.18	-0.5	-2.9	41.13	41.31	0.4	-2.4
Q2	38.11	37.95	-0.6	-0.2	39.84	40.12	-2.9	-3.9
Q3	38.74	38.04	0.2	1.1	41.79	41.40	3.2	0.5
Q4	38.18	38.72	1.8	0.9	41.47	41.41	0.0	0.6
2017 Q1	38.39	38.73	0.0	1.4	41.55	41.69	0.7	0.9
Q2	38.57	38.41	-0.8	1.2	41.65	41.96	0.6	4.6
Q3	39.19	38.48	0.2	1.2	42.11	41.71	-0.6	0.7
Q4	39.18	39.73	3.2	2.6	42.21	42.20	1.2	1.9
2018 Q1	42.11	40.46	1.8	4.5	42.95	43.05	2.0	3.3
Q2	41.24	41.07	1.5	6.9	44.00	44.30	2.9	5.6
Q3	43.99	43.20	5.2	12.3	46.81	46.40	4.7	11.2
Q4	43.29	43.34	0.3	9.1	46.96	46.99	1.3	11.4
2019 Q1	41.16	41.52	-4.2	2.6	44.66	46.73	-0.6	8.5
Q2	39.54	39.38	-5.2	-4.1	43.25	43.50	-6.9	-1.8
Q3	38.82	38.12	-3.2	-11.8	42.69	42.13	-3.1	-9.2
Q4	37.46	37.99	-0.3	-12.3	41.64	41.73	-0.9	-11.2
2020 Q1	37.16	37.49	-1.3	-9.7	41.27	41.30	-1.0	-11.6
Q2	39.22	39.06	4.2	-0.8	42.43	42.63	3.2	-2.0
Q3	38.80	38.10	-2.5	-0.1	42.35	42.03	-1.4	-0.2
Q4	37.54	38.07	-0.1	0.2	41.28	41.40	-1.5	-0.8
2021 Q1	37.22	37.55	-1.4	0.2	42.12	42.14	1.8	2.0

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 and Production Survey (PPS) which has four survey rounds in a year; that is, 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.