

# SPECIAL RELEASE

## Seasonally Adjusted Palay/Rice Production and Prices July-September 2021

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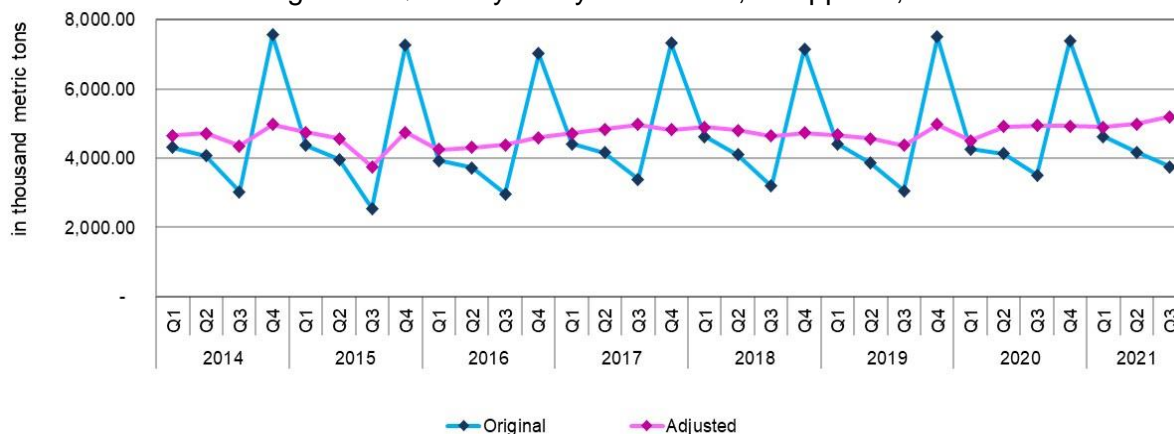
Reference No. 2021-516

### PRODUCTION

The seasonally adjusted palay production for the third quarter of 2021 was 5,201 thousand metric tons, 4.3 percent above the 4,985 thousand metric tons of the preceding quarter's output. (Table 1)

Year on year, this quarter's performance when deseasonalized was higher by 256 thousand metric tons or 5.2 percent compared to the previous year's level of 4,945 thousand metric tons. (Figure 1 and Table 1)

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

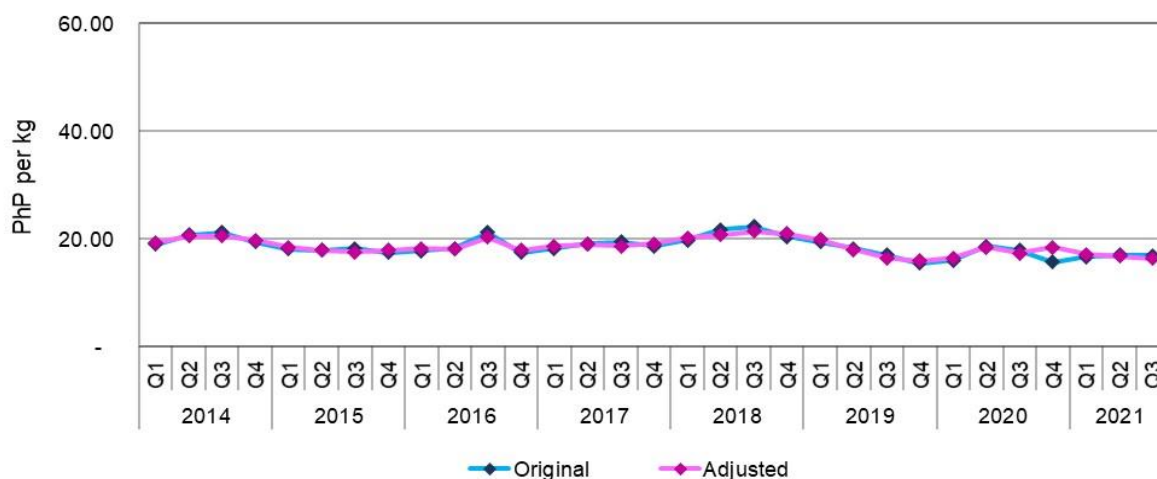


Source: Philippine Statistics Authority (PSA), Palay Production Survey (PPS)

## PRICES

The seasonally adjusted farmgate price for palay in the third quarter of 2021 dropped to PhP 16.38 per kilogram or by -2.6 percent from the second quarter's level. Likewise, it was lower by -5.5 percent than the previous year's record of PhP 17.33 per kilogram. (Figure 2 and Table 1)

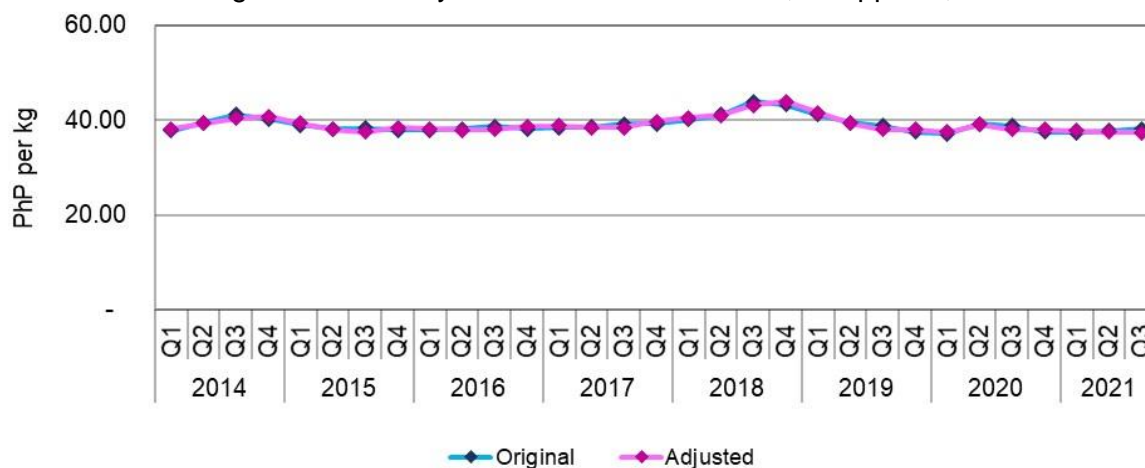
Figure 2. Quarterly Farmgate Prices of Palay, Philippines, 2014-2021



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

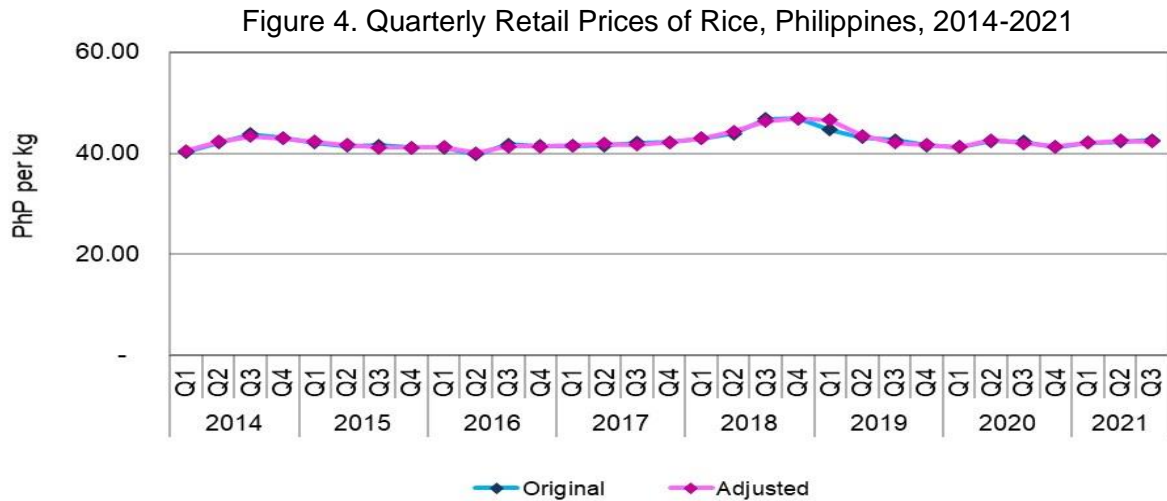
In the third quarter of 2021, the recorded wholesale price of rice decreased to PhP 37.41 per kilogram or by -0.4 percent from the second quarter's quotation of PhP 37.57 per kilogram. Likewise, it was lower by -1.7 percent from the previous year's same quarter record of PhP 38.06 per kilogram. (Figure 3 and Table 2)

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



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

For this quarter, the seasonally adjusted retail price of rice at PhP 42.36 per kilogram declined by -0.5 percent from the previous quarter's retail price of PhP 42.58 per kilogram. On the other hand, the present quarter's seasonally adjusted retail price displayed an increase of 0.8 percent from the same period of 2020 at Php 42.04 per kilogram. (Figure 4 and Table 2)



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

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Undersecretary

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## Seasonally Adjusted Palay/Rice Production and Prices Philippines, Third 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)	(7)	(8)	(9)	
2014	Q1	4,307	4,660	-1.5	10.4	19.03	19.36	6.7	18.6
	Q2	4,073	4,710	1.1	5.3	20.74	20.61	6.5	25.7
	Q3	3,027	4,353	-7.6	-6.3	21.24	20.54	-0.3	17.8
	Q4	7,561	4,967	14.1	5.0	19.44	19.83	-3.5	9.3
2015	Q1	4,368	4,740	-4.6	1.7	18.11	18.52	-6.6	-4.3
	Q2	3,956	4,569	-3.6	-3.0	17.96	17.88	-3.5	-13.2
	Q3	2,552	3,754	-17.8	-13.8	18.31	17.63	-1.4	-14.2
	Q4	7,275	4,749	26.5	-4.4	17.54	17.89	1.5	-9.8
2016	Q1	3,932	4,245	-10.6	-10.4	17.82	18.26	2.1	-1.4
	Q2	3,715	4,302	1.3	-5.8	18.23	18.16	-0.5	1.6
	Q3	2,969	4,388	2.0	16.9	21.18	20.35	12.1	15.4
	Q4	7,012	4,588	4.6	-3.4	17.54	17.92	-11.9	0.2
2017	Q1	4,419	4,721	2.9	11.2	18.27	18.71	4.4	2.5
	Q2	4,150	4,841	2.5	12.5	19.14	19.05	1.8	4.9
	Q3	3,390	4,970	2.7	13.3	19.48	18.71	-1.8	-8.1
	Q4	7,318	4,818	-3.1	5.0	18.69	19.13	2.2	6.8
2018	Q1	4,623	4,895	1.6	3.7	19.76	20.23	5.8	8.1
	Q2	4,090	4,803	-1.9	-0.8	21.75	20.84	3.0	9.4
	Q3	3,196	4,643	-3.3	-6.6	22.30	21.46	3.0	14.7
	Q4	7,156	4,723	1.7	-2.0	20.43	20.96	-2.3	9.6
2019	Q1	4,417	4,667	-1.2	-4.7	19.49	19.93	-4.9	-1.5
	Q2	3,853	4,557	-2.4	-5.1	18.25	18.06	-9.4	-13.3
	Q3	3,051	4,361	-4.3	-6.1	17.08	16.47	-8.8	-23.3
	Q4	7,494	4,967	13.9	5.2	15.55	15.98	-3.0	-23.8
2020	Q1	4,261	4,503	-9.3	-3.5	16.11	16.45	2.9	-17.5
	Q2	4,125	4,906	8.9	7.7	18.74	18.49	12.4	2.4
	Q3	3,516	4,945	0.8	13.4	17.92	17.33	-6.3	5.2
	Q4	7,392	4,920	-0.5	-0.9	15.78	18.44	6.4	15.4
2021	Q1	4,627	4,895	-0.5	8.7	16.77 r	17.11	-7.2	4.0
	Q2	4,173	4,985	1.8	1.6	17.07	16.82	-1.7	-9.0
	Q3	3,753	5,201	4.3	5.2	16.92	16.38	-2.6	-5.5

Note: r-revised

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	38.17	3.2	15.4	40.28	40.49	3.9	14.2
	Q2	39.48	39.30	3.0	20.0	42.13	42.32	4.5	19.2
	Q3	41.15	40.37	2.7	14.8	43.80	43.42	2.6	15.8
	Q4	40.21	40.78	1.0	10.2	43.11	43.05	-0.9	10.5
2015	Q1	38.97	39.36	-3.5	3.1	42.11	42.33	-1.7	4.5
	Q2	38.20	38.03	-3.4	-3.2	41.49	41.74	-1.4	-1.4
	Q3	38.30	37.57	-1.2	-6.9	41.59	41.21	-1.3	-5.1
	Q4	37.85	38.39	2.2	-5.9	41.22	41.16	-0.1	-4.4
2016	Q1	37.85	38.23	-0.4	-2.9	41.13	41.29	0.3	-2.5
	Q2	38.11	37.94	-0.8	-0.2	39.84	40.13	-2.8	-3.9
	Q3	38.74	38.01	0.2	1.2	41.79	41.41	3.2	0.5
	Q4	38.18	38.72	1.9	0.9	41.47	41.41	0.0	0.6
2017	Q1	38.39	38.77	0.1	1.4	41.55	41.66	0.6	0.9
	Q2	38.57	38.40	-1.0	1.2	41.65	41.98	0.8	4.6
	Q3	39.19	38.45	0.1	1.2	42.11	41.73	-0.6	0.8
	Q4	39.18	39.73	3.3	2.6	42.21	42.20	1.1	1.9
2018	Q1	40.11	40.51	2.0	4.5	42.95	43.00	1.9	3.2
	Q2	41.24	41.05	1.3	6.9	44.00	44.34	3.1	5.6
	Q3	43.99	43.16	5.1	12.2	46.81	46.42	4.7	11.2
	Q4	43.29	43.90	1.7	10.5	46.96	46.99	1.2	11.4
2019	Q1	41.16	41.57	-5.3	2.6	44.66	46.68	-0.7	8.6
	Q2	39.54	39.36	-5.3	-4.1	43.25	43.55	-6.7	-1.8
	Q3	38.82	38.08	-3.3	-11.8	42.69	42.15	-3.2	-9.2
	Q4	37.46	37.99	-0.2	-13.5	41.64	41.72	-1.0	-11.2
2020	Q1	37.16	37.53	-1.2	-9.7	41.27	41.25	-1.1	-11.6
	Q2	39.22	39.04	4.0	-0.8	42.43	42.68	3.5	-2.0
	Q3	38.80	38.06	-2.5	-0.1	42.35	42.04	-1.5	-0.3
	Q4	37.54	38.07	0.0	0.2	41.28	41.38	-1.6	-0.8
2021	Q1	37.36 r	37.73	-0.9	0.5	42.14 r	42.13	1.8	2.1
	Q2	37.74	37.57	-0.4	-3.8	42.38	42.58	1.1	-0.2
	Q3	38.13	37.41	-0.4	-1.7	42.66	42.36	-0.5	0.8

Note: r-revised

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.

Moreover, 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, respectively.

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.