



SPECIAL RELEASE

Seasonally Adjusted Palay/Rice Production and Prices April to June 2022

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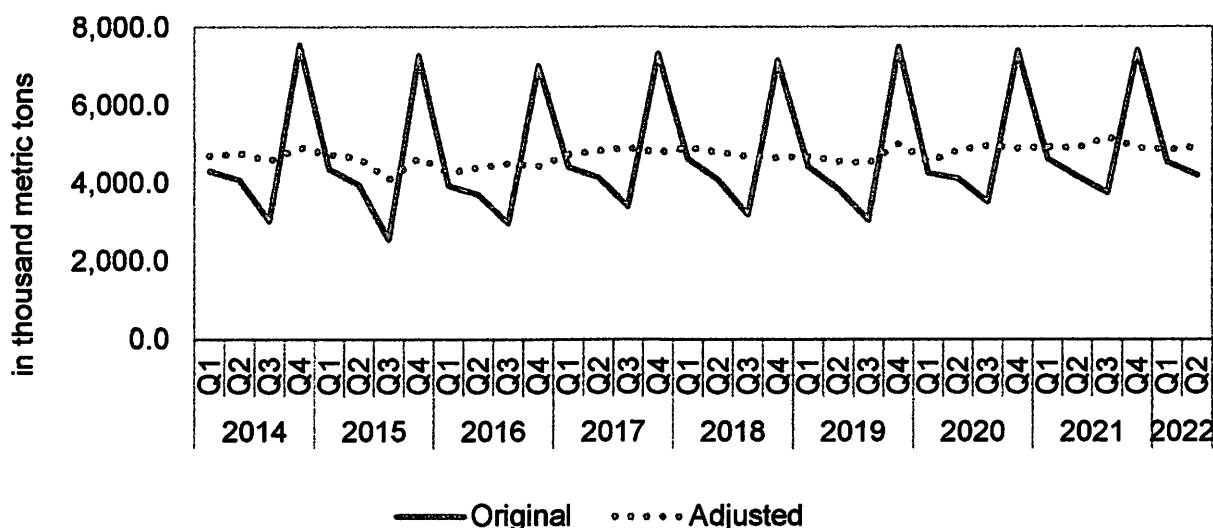
Reference No. 2022- 419

PRODUCTION

The seasonally adjusted palay production for April to June 2022 was 4.94 million metric tons. This was 1.4 percent higher than the previous quarter's output of 4.87 million metric tons. (Table 1)

Year-on-year, this quarter's deseasonalized production was up by 0.6 percent compared with the production level of 4.91 million metric tons in the same period of the preceding year. (Figure 1 and Table 1)

Figure 1. Quarterly Palay Production, Philippines, 2014-2022



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



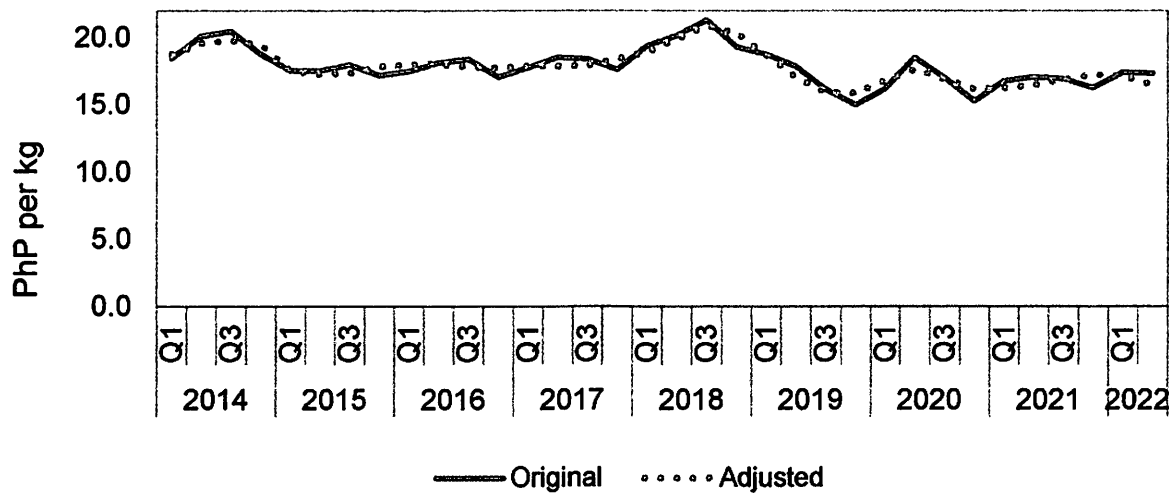
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PRICE

From April to June 2022, the deseasonalized average farmgate price of palay at PhP 16.49 per kilogram decreased by -3.7 percent, from the first quarter's average price of PhP 17.13 per kilogram. Similarly, it was lower by -0.1 percent than the previous year's same quarter average price of PhP 16.51 per kilogram. (Figure 2 and Table 1)

Figure 2. Quarterly Average Farmgate Prices of Palay, Philippines, 2014-2022



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

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**Seasonally Adjusted Palay/Rice Production and Prices
Philippines, Second Quarter 2022**

Table 1. Quarterly Production and Average Farmgate Price of Palay
Philippines, 2014-2022

Year/ Quarter	PALAY PRODUCTION (in thousand M.T.)		Qtr-on-Qtr Change Adjusted	Yr-on-Yr Change Adjusted	PALAY FARMGATE PRICES (PhP per Kilo)		Qtr-on-Qtr Change Adjusted	Yr-on-Yr Change Adjusted	
	Original	Adjusted	(%)	(%)	Original	Adjusted	(%)	(%)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	
2014	Q1	4,307.00	4,702.08	6.5	3.0	18.46	18.76	5.9	21.6
	Q2	4,073.00	4,772.77	1.5	5.4	20.13	19.61	4.5	22.7
	Q3	3,027.00	4,583.04	-4.0	-7.0	20.48	19.78	0.9	17.4
	Q4	7,561.00	4,924.88	7.5	11.5	18.76	19.46	-1.6	9.8
2015	Q1	4,368.00	4,749.01	-3.6	1.0	17.52	17.53	-9.9	-6.6
	Q2	3,956.00	4,648.06	-2.1	-2.6	17.54	17.29	-1.4	-11.8
	Q3	2,552.00	4,105.26	-11.7	-10.4	17.95	17.39	0.5	-12.1
	Q4	7,275.00	4,670.59	13.8	-5.2	17.18	17.85	2.7	-8.3
2016	Q1	3,932.00	4,284.42	-8.3	-9.8	17.49	18.03	1.0	2.8
	Q2	3,715.00	4,409.77	2.9	-5.1	18.11	18.05	0.1	4.4
	Q3	2,969.00	4,512.58	2.3	9.9	18.39	17.87	-1.0	2.8
	Q4	7,012.00	4,443.29	-1.5	-4.9	17.05	17.76	-0.6	-0.5
2017	Q1	4,419.00	4,744.43	6.8	10.7	17.76	17.93	1.0	-0.6
	Q2	4,150.00	4,849.39	2.2	10.0	18.53	17.89	-0.2	-0.9
	Q3	3,390.00	4,914.68	1.3	8.9	18.40	17.94	0.3	0.4
	Q4	7,318.00	4,791.07	-2.5	7.8	17.62	18.42	2.7	3.8
2018	Q1	4,623.00	4,919.47	2.7	3.7	19.41	18.97	3.0	5.8
	Q2	4,090.00	4,804.86	-2.3	-0.9	20.16	19.92	5.0	11.3
	Q3	3,196.00	4,689.04	-2.4	-4.6	21.34	20.91	4.9	16.5
	Q4	7,156.00	4,665.24	-0.5	-2.6	19.33	20.35	-2.7	10.5
2019	Q1	4,417.00	4,699.41	0.7	-4.5	18.76	18.72	-8.0	-1.3
	Q2	3,852.00	4,575.72	-2.6	-4.8	17.84	17.05	-8.9	-14.4
	Q3	3,051.00	4,523.07	-1.2	-3.5	16.16	15.96	-6.4	-23.7
	Q4	7,494.00	5,015.04	10.9	7.5	15.02	15.89	-0.4	-21.9
2020	Q1	4,261.00	4,545.78	-9.4	-3.3	16.20	16.82	5.8	-10.2
	Q2	4,125.00	4,858.22	6.9	6.2	18.54	17.65	5.0	3.5
	Q3	3,516.00	4,972.56	2.4	9.9	17.03	16.92	-4.2	6.0
	Q4	7,392.00	4,902.40	-1.4	-2.2	15.26	16.20	-4.3	1.9
2021	Q1	4,627.00	4,935.61	0.7	8.6	16.77	16.26	0.4	-3.3
	Q2	4,173.00	4,908.41	-0.6	1.0	17.07	16.51	1.5	-6.5
	Q3	3,753.00	5,193.03	5.8	4.4	16.92	16.88	2.3	-0.2
	Q4	7,408.00	4,911.14	-5.4	0.2	16.26	17.27	2.3	6.6
2022	Q1	4,541.00	4,870.86	-0.8	-1.3	17.43	17.13	-0.8	5.4
	Q2	4,202.00	4,936.76	1.4	0.6	17.35	16.49	-3.7	-0.1

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

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, namely, January, April, July, and October.

Starting the January to March 2022 release, the original series of palay price are taken from the new series generated from the Farmgate Prices Survey (FPS). The data series used in the previous years' releases were from the discontinued survey of the Philippine Statistics Authority entitled Weekly Price Situationer of Selected Agricultural Commodities.

This brief quarterly report features the seasonally adjusted (deseasonalized) palay production and price data series starting from the first quarter of 2014 using X-13 Auto-Regressive Integrated Moving Average (ARIMA) through the statistical software JDemetra+. The effect of seasonality has been removed from the original data to show the trend of palay production and price without being hampered by seasonal movements.

The decomposition model chosen for the palay production was additive of ARIMA (2,0,2) (0,1,1) with no logarithmic transformation. Moreover, the decomposition model for the farmgate price of palay was multiplicative of ARIMA (2,0,0) (0,1,1) with logarithmic transformation.