



Republic of the Philippines

Philippine Statistics Authority

ISABELA

SPECIAL RELEASE

PALAY AND CORN STATISTICS IN THE SECOND HALF OF 2021

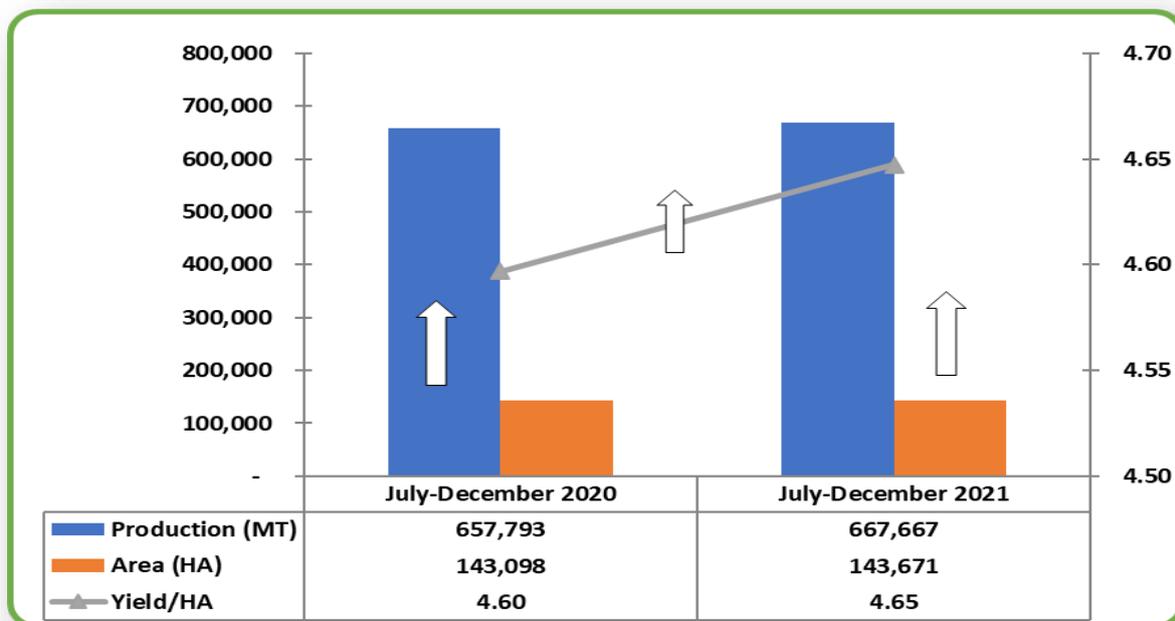
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JULY to DECEMBER 2021 volume of **palay production** was higher by 1.5 percent or equivalent to 9,874 Metric Tons (MT) from 657 thousand MT in 2020 output to 667 thousand MT this year. Irrigated palay accounted the highest increased in production by 1.41 percent or an additional output of 8.8 thousand MT from second semester 2020 level.

The positive growth in production was attributed to the increase in area harvested to 0.40 percent from 143,098 hectares (HA) in 2020 to 143,671 hectares in 2021. Similarly, productivity yield grew by 1.10 percent. See Figure 1.

**Figure 1. Palay Estimates, Isabela
July to December 2020-2021**

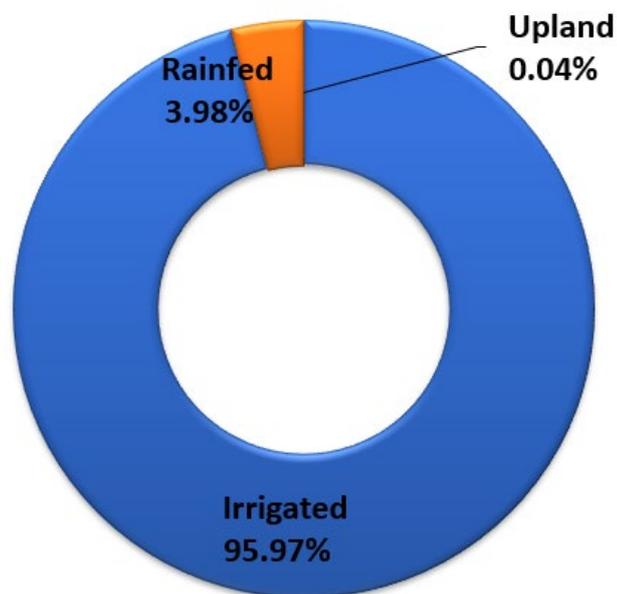


Source: PSA, *Palay Production Survey*

Among the three types of ecosystems, irrigated palay surfaced as the top produced as it accounted for 95.97 percent of the total production. Rainfed production on the

other hand contributed only 3.98 percent, while upland production complemented only 0.04 percent. See Figure 2

Figure 2. Percentage Distribution by Type of Ecosystem, Isabela: July to December, 2021



By province, Isabela remained the top producer with 50.48 percent share to the region's total palay output, followed by Cagayan with a share of 34.30 percent while Nueva Vizcaya contributed 10.86 percent. The provinces of Quirino and Batanes complemented the remaining shares. See Figure 2

Figure 3. Percentage Distribution by Province, Cagayan Valley: July to December, 2021

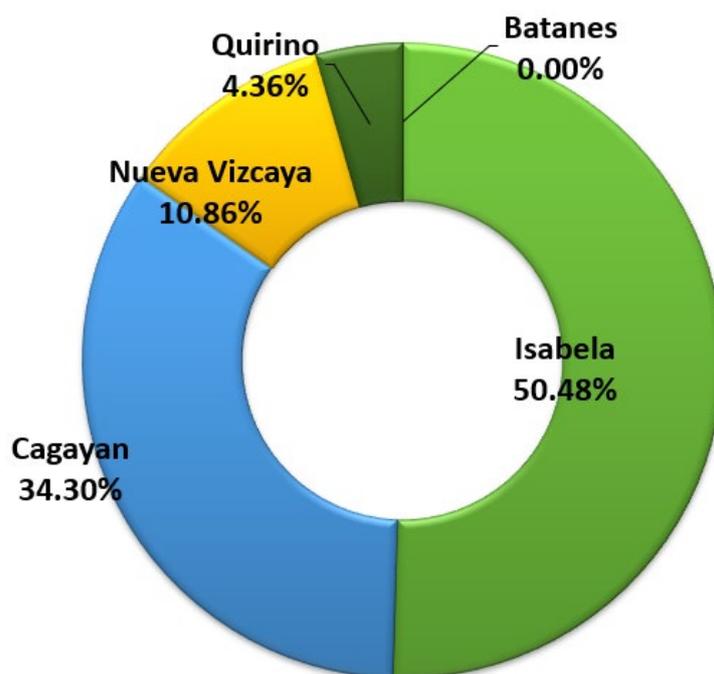


Table 1. Palay Production Estimates, Isabela: July to December 2020-2021

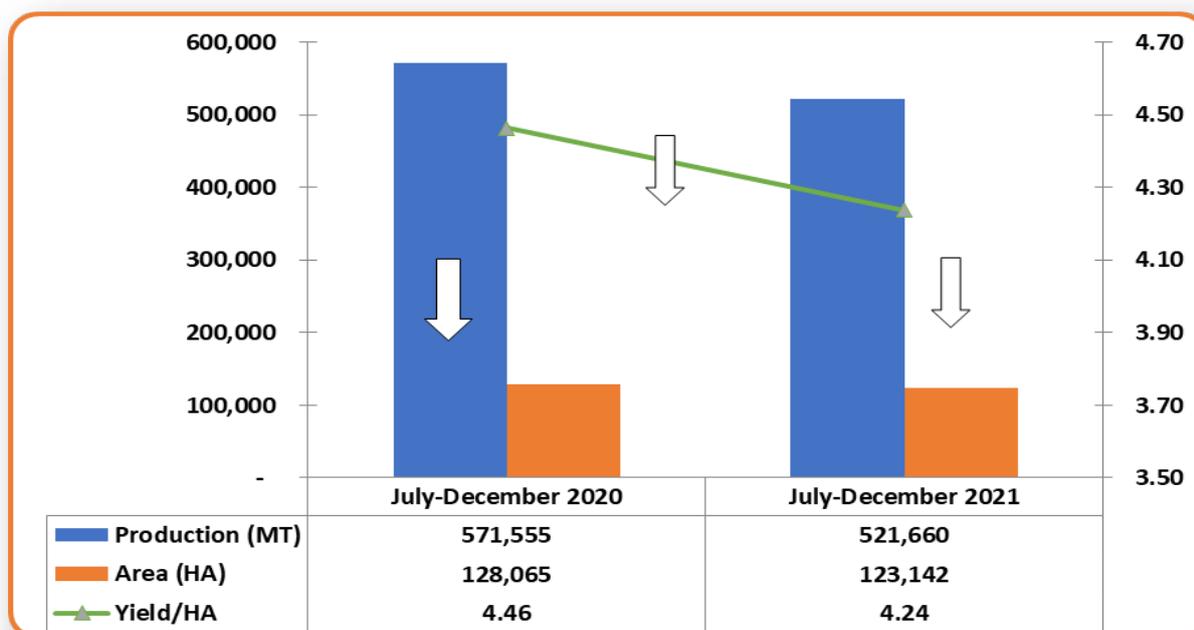
ITEM	JULY TO DECEMBER		GROWTH RATE (%)
	2020	2021	
PRODUCTION (MT)	657,793	667,667	1.50
Irrigated	631,904	640,785	1.41
Rainfed	25,462	26,592	4.44
Upland	427	290	(32.10)
AREA HARVESTED (HA)	143,098	143,671	0.40
Irrigated	134,187	134,890	0.52
Rainfed	8,639	8,588	(0.59)
Upland	272	193	(29.04)
YIELD/ HECTARE	4.60	4.65	1.10
Irrigated	4.71	4.75	0.86
Rainfed	2.95	3.10	5.08
Upland	1.57	1.50	(4.46)

Source: PSA, Palay Production Survey

As pointed out, both area harvested and yield per hectare contributed in the increase of the total volume of palay production. As shown in Table 1, overall ecosystem registered a positive growth rate in both area and yield.

Total **volume of corn production** in the province registered a negative trend in the second semester of 2021 compared in the same semester last year. The production recorded at 521 thousand MT or 8.73 percent from 571 thousand MT in second semester 2020. The decreased in the volume of corn production was due to the decreased in area harvested and lesser productivity yield.

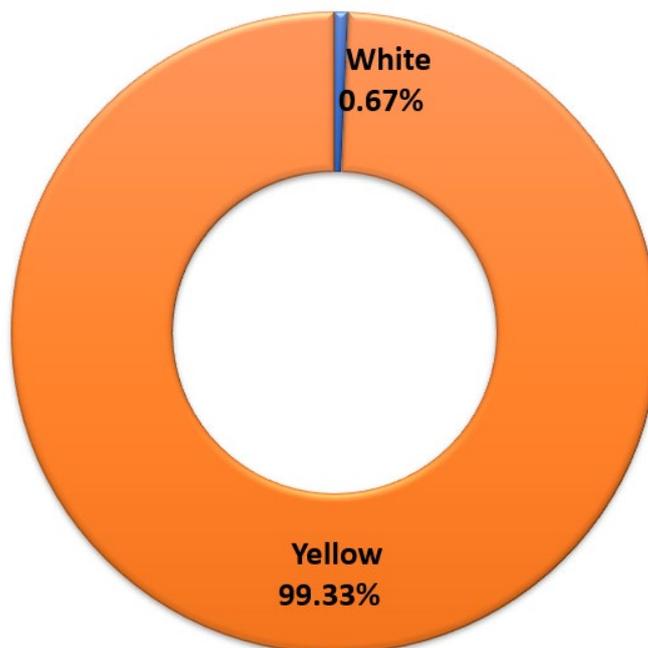
Figure 4. Corn Estimates, Isabela July to December 2020-2021



Source: PSA, Corn Production Survey

Of the total corn production, yellow corn accounted for 99.33 percent. The remaining 0.67 percent comprised the production for white corn. See Figure 6.

Figure 5. Percentage Distribution by Crop Type, Isabela: July to December, 2021



Isabela the major producing province of corn in Cagayan Valley for the second semester of 2021 with a share of 58.70 percent to the regional output. It was followed by the province of Cagayan which contributed 30.92 percent. About 6.17 percent was shared by the province of Quirino while 4.21 percent was produced in the province of Nueva Vizcaya. The remaining was produced in the province of Batanes. See Figure 6

Figure 6. Percentage Distribution by Province, Cagayan Valley: July to December, 2021

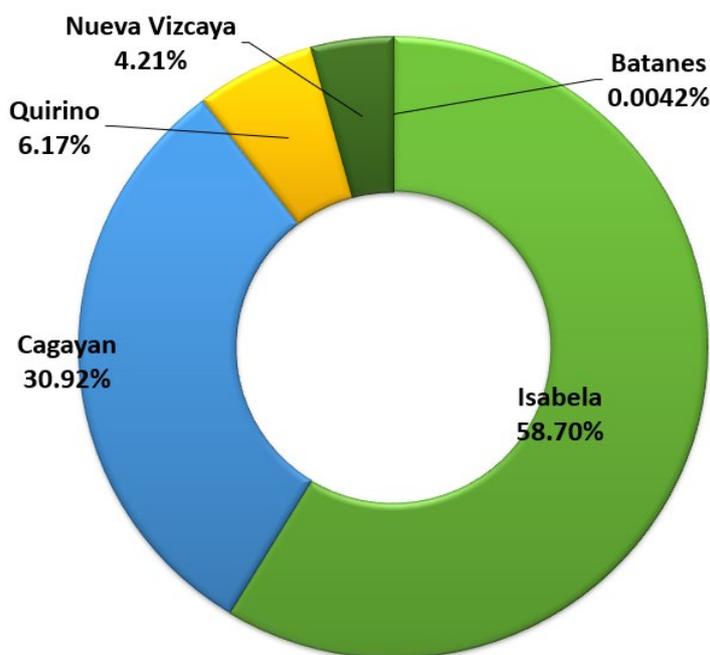


Table 2. Corn Production Estimates, Isabela: July to December 2020-2021

ITEM	JULY TO DECEMBER		GROWTH RATE (%)
	2020	2021	
PRODUCTION (MT)	571,555	521,660	(8.73)
White	6,043	3,504	(42.01)
Yellow	565,512	518,156	(8.37)
AREA HARVESTED (HA)	128,065	123,142	(3.84)
White	1,977	1,189	(39.86)
Yellow	126,088	121,953	(3.28)
YIELD/ HECTARE	4.46	4.24	(5.08)
White	3.06	2.95	(3.58)
Yellow	4.49	4.25	(5.27)

Source: PSA, *Corn Production Survey*

TECHNICAL NOTES

Production refers to the quantity produced and actually harvested for a particular crop during the reference period. For palay and corn, harvest area refers to the actual area harvested/to be harvested during the reference quarter.

Yield is an indicator of production derived by dividing the total production by the area harvested.

Estimates and forecasts of production and harvest area of palay and corn are generated from the Quarterly Palay and Corn Production Survey (PCPS) of which there are four survey rounds in a year, that is, January, April, July and October. The following are the data taken from these surveys:

- 1) Production estimates of the previous quarter for each survey round;
- 2) Forecast one quarter ahead based on the standing crop; and
- 3) Forecast two quarters ahead based on planting intentions.

The collections of data of these surveys are undertaken by hired Statistical Researchers (SRs). The SRs are trained prior to field operation to ensure that the procedures and concepts are understood. The training includes mock interviews and dry-run exercises.

The data gathered in this survey are as follows: production, area planted/harvested and yield by ecosystem and seed type; usage of seeds, fertilizer and pesticides; source of irrigation water and adequacy, monthly distribution of production and area harvested; farm household disposition of production; area with standing crop, farmer's planting intention for the quarter; awareness and availment of palay and corn program interventions. The reference period for each survey round is shown below:

Survey Round	Reference Period
April Round	January to March
July Round	April to June
October round	July to September
January Round	October to December

Palay Household – the sample household operates an agricultural land, whole or part of which is palay area within the nine-month period, or the land is temporarily in-fallow but the respondent declares that it is devoted to palay production. Specifically, any of the following conditions must be satisfied:

a. Household harvested palay during the reference quarter; b. Household has standing palay crop in the farm; c. Household intends to plant within the succeeding quarter; and d. The land is temporarily in-fallow but the respondent declares that it is devoted to palay production.

Corn Household – the sample household operates an agricultural land, whole or part of which is corn area within the nine-month period, or the land is temporarily in-fallow but the respondent declares that it is devoted to palay production. Specifically, any of the following conditions must be satisfied:

a. Household harvested corn during the reference quarter; b. Household has standing corn crop in the farm; c. Household intends to plant within the succeeding quarter; and d. The land is temporarily in-fallow but the respondent declares that it is devoted to corn production.

Approved for Release


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