



Republic of the Philippines

Philippine Statistics Authority

ISABELA

SPECIAL RELEASE

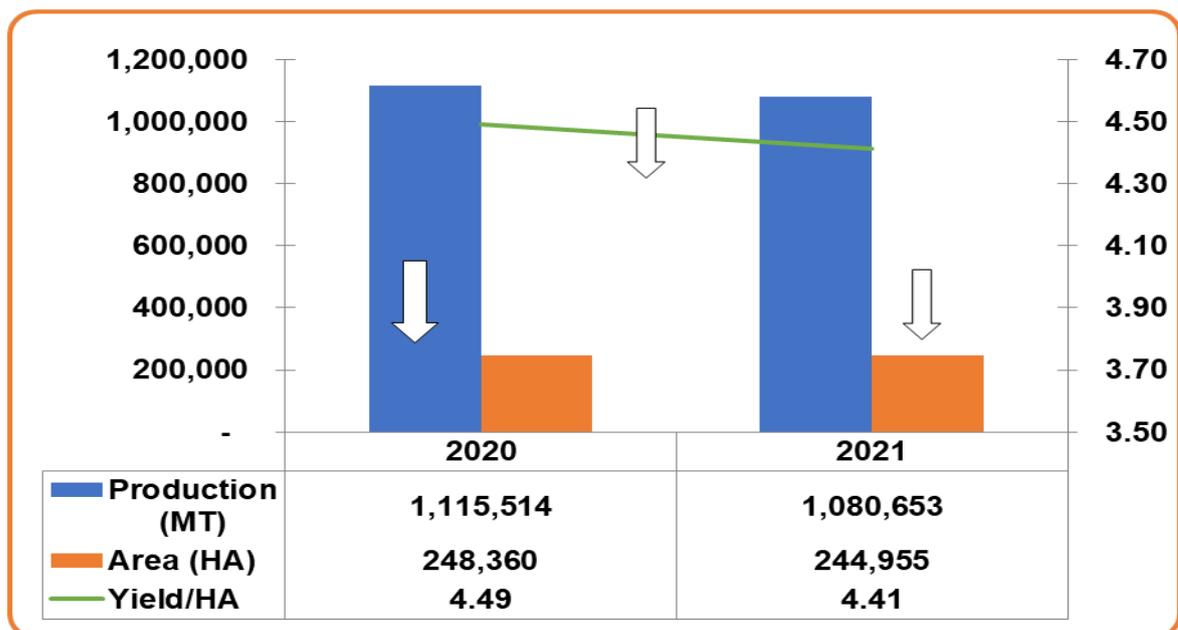
CORN VOLUME OF PRODUCTION DROPPED BY 3.13 PERCENT IN 2021

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Total volume of production of corn in 2021 declined by 3.13 percent at 1,080,653 Metric Tons (MT) from the 1,115,514 MT 2020 output. During the same period, area harvested decreased by 1.37 percent from 248, 360 hectares in 2020 to 244,955 hectares in 2021. Likewise, productivity yield recorded 4.49, 1.78 percent lower from 4.41 in 2020. See Figure 1.

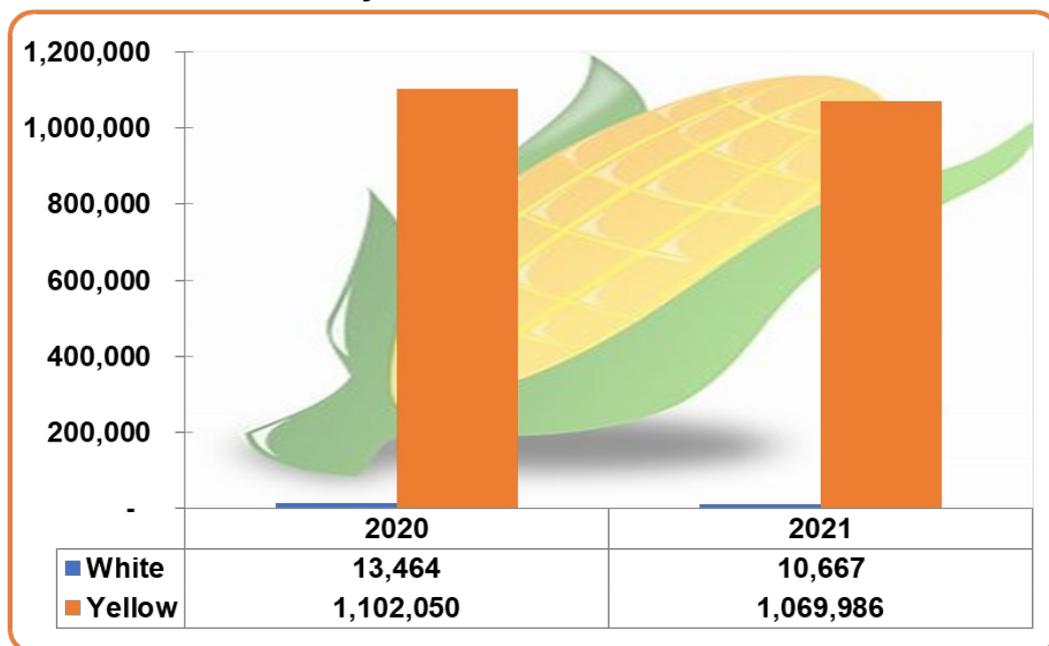
**Figure 1. Corn Estimates, Isabela
January to December 2020-2021**



Source: PSA, *Corn Production Survey*

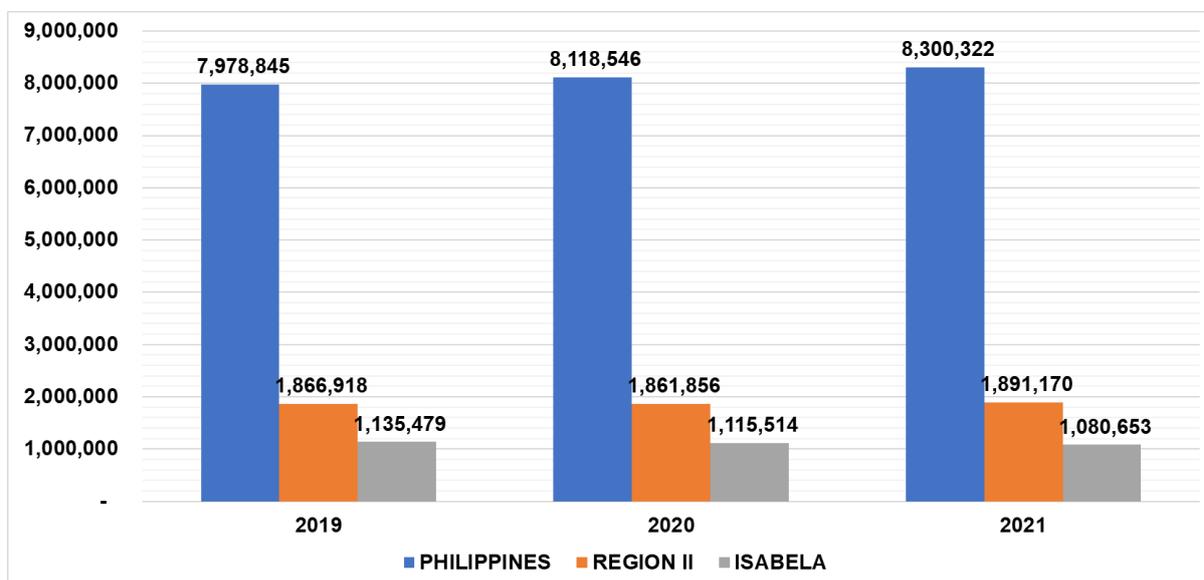
Both crop type exhibited decreases in production as yellow corn accounted in the bulk of the decreased for 2.91 percent or a negative output of 32,065 MT from 2020 level. Similarly, a decreased in white corn contributed in the decline of the total corn production which contracted by 2,796 MT or equivalent to 20.77 percent. See Figure 2 and Table 1

Figure 2. Corn Volume of Production (in MT), by Crop Type, Isabela January to December 2020-2021



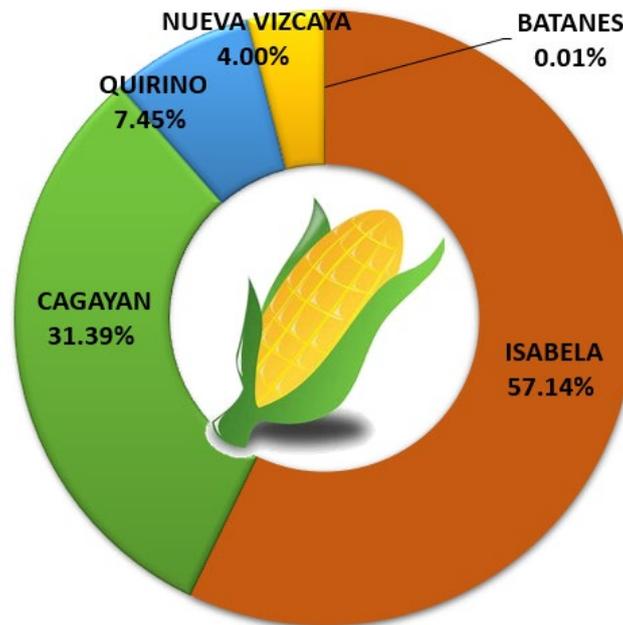
From 2019 to 2021, volume of production of the Isabela shared to National is 14.23 percent in 2019, 13.74 percent in 2020 and 13.02 percent in 2021. See Figure 3

Figure 3. Corn: Annual Volume of Production, Philippines, Cagayan Valley, Isabela (in MT), 2019-2021



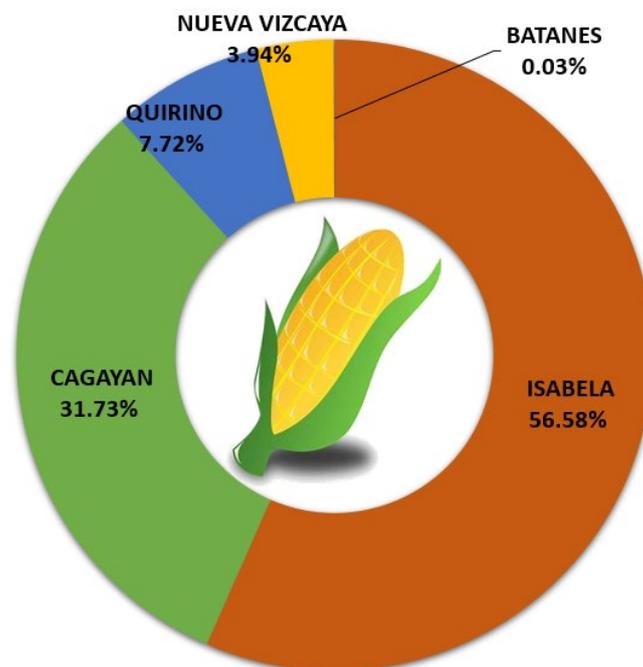
In terms of the provincial distribution of 2021 volume of corn production in Cagayan Valley, Isabela remained the leading producer with a share of 57.14 percent to the region's output, followed by Cagayan with a share of 31.39 percent while Quirino contributed 7.45 percent. The provinces of Nueva Vizcaya and Batanes complemented the remaining shares. See Figure 4

Figure 4. Volume of Production Percentage Distribution by Province, Cagayan Valley: January to December, 2021



In terms of area harvested, Isabela had the biggest share of 56.58 percent. This was followed by Cagayan with 31.73 percent share; Quirino, 7.72 percent; Nueva Vizcaya, 3.94 percent; and Batanes, 0.03 percent. See Figure 5.

Figure 5. Area Harvested Percentage Distribution by Province, Cagayan Valley: January to December, 2021



Yellow corn registered the largest share in production with 1,069,986 MT, or 99.01 percent share to the total output in 2021. White corn production on the other hand contributed only 0.99 percent. See Figure 6 and Table 1

Figure 6. Percentage Distribution by Type of Ecosystem, Isabela: January to December, 2021

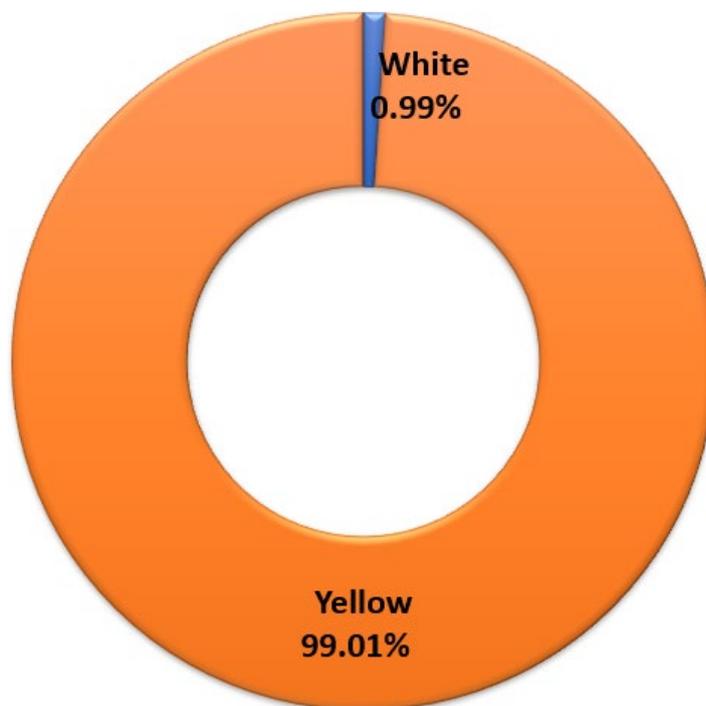


Table 1. Corn Production Estimates, Isabela: January to December 2020-2021

ITEM	JULY TO DECEMBER		GROWTH RATE (%)
	2020	2021	
PRODUCTION (MT)	1,115,514	1,080,653	(3.13)
White	13,464	10,667	(20.77)
Yellow	1,102,050	1,069,986	(2.91)
AREA HARVESTED (HA)	248,360	244,955	(1.37)
White	4,237	3,287	(22.42)
Yellow	244,123	241,668	(1.01)
YIELD/ HECTARE	4.49	4.41	(1.78)
White	3.18	3.25	2.13
Yellow	4.51	4.43	(1.92)

Source: PSA, *Corn Production Survey*

Notably, both area harvested and yield per hectare contributed in the decrease of the total volume of corn production. As shown in Table 1, both crop type fell down in both area and yield.

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 avilment 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

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



JULIUS M. EMPERADOR
Chief Statistical Specialist