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Updated Production Costs and Returns of Selected Agricultural Commodities

Palay and Corn

2017 to 2019



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FOREWORD

The Updated Production Costs and Returns of Selected Agricultural Commodities is the 17th edition released annually by the Philippine Statistics Authority (PSA). It contains updated costs of production for palay and corn at the national and regional level. The publication covers the three reference years, 2017 to 2019. It includes a summary of findings for the 2019 data.

For palay, the cost of production structure was disaggregated by season, that is, dry and wet season and by ecosystem, irrigated and non-irrigated. Corn is disaggregated only by crop type, i.e., white and yellow and, by only one cropping season.

In updating the costs of production, the assumptions are based on current levels of production/yield and prices of inputs and outputs. Gross returns are derived using the current yield level and average price of output per kilogram. The interest on operating capital is updated annually using the Average Banking Lending Rates released by the Bangko Sentral ng Pilipinas (BSP). The input structures are based on benchmarks generated by the Surveys on Costs and Returns (SCR) in 2013.

The PSA welcomes comments and suggestions from the data users on how to improve the updating system for production costs and returns.



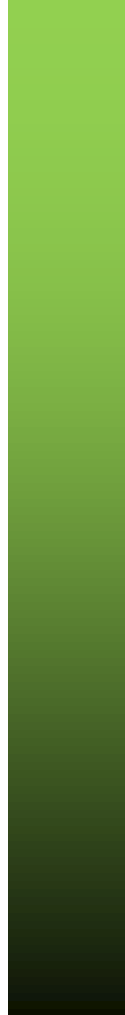
DENNIS S. MAPA, Ph.D.

Undersecretary

National Statistician and Civil Registrar General

Quezon City, Philippines
October 2020

**UPDATED PRODUCTION
COSTS AND RETURNS OF SELECTED
AGRICULTURAL COMMODITIES,
PALAY AND CORN**



**UPDATED PRODUCTION COSTS AND RETURNS
OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN**

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**ASSUMPTIONS AND PROCEDURES USED IN UPDATING
THE COSTS OF PRODUCTION FOR PALAY AND CORN**

| ITEM | BASIS/PROCEDURE |
|---|---|
| 1. Cost of seeds/planting materials (Cash, Non-cash and Imputed) | Movement of farmgate price |
| 2. Irrigation fee | |
| 3. Lease rental | |
| 4. Rental value of owned land | |
| 5. Landlord's share | |
| 6. Harvester/Thresher/Sheller's share | Movement of gross value of yield |
| 7. Cost of fertilizer | Quantity used from the survey results multiplied by the current retail price of fertilizer by grade |
| 8. Cost of pesticides | |
| Solid | Movement of the retail price for selected pesticides |
| Liquid | Quantity used from the survey results multiplied by the current retail price of pesticides |
| 9. Soil ameliorants | Movement of the retail price of fertilizer |
| 10. Cost of mulching materials | Movement of the retail price of fertilizer |
| 11. Labor costs (Hired, Unpaid operator, Family and Exchange labor) | Number of mandays from the survey results multiplied by the current agricultural wage rates |
| 12. Rental: Land | Movement of farmgate price |
| Tools, Equipment, Machine and Animals | Movement of agricultural wage rates |
| 13. Food cost | Movement of CPI for food |
| 14. Transport cost | Movement of CPI for transport |
| 15. Fuel and Oil | Movement of CPI for fuel and oil |
| 16. Repair cost | Movement of CPI for minor repairs |
| 17. Electricity cost | Movement of CPI for light |
| 18. Interest on crop loans | Increase of 10 percent per annum |
| 19. Other production cost | Movement of CPI for all items |
| 20. Depreciation cost | Increase of 10 percent per annum |
| 21. Interest on operating capital | Based on Average Lending Rates from Bangko Sentral ng Pilipinas (BSP) |
| 22. Land tax | Increase of one (1) percent per annum |

**UPDATED PRODUCTION COSTS AND RETURNS
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TECHNICAL NOTES

Cost Classification

Cash Costs – are direct cash outlays or cash payments for the use of different factors of production such as labor, fertilizers, and chemicals.

Non-Cash Costs – are expenditures that are paid in kind. Valuation of cost items makes use of the prevailing prices in the community. Generally, these non-cash costs represent the portions of the farmer's production that serve as payments for the use of particular factors of production.

Imputed Costs – are expenditures that do not involve actual outlays in cash or in kind; they represent the opportunity costs of using owned resources in a particular activity and are computed using the values of the best alternative uses foregone.

Total Costs – refer to the sum of cash costs, non-cash costs, and imputed costs.

Indicators of Profitability

Gross Returns – refer to the gross value of production. It is derived by multiplying the total volume of production by the farmgate or producer price.

$$\text{Gross Returns} = \text{Production} \times \text{Farmgate Price}$$

Returns Above Cash Costs – returns after deducting the total cash outlays from the total value of production.

$$\text{Returns Above Cash Costs} = \text{Gross Returns} - \text{Cash Costs}$$

Returns Above Cash and Non-Cash Costs – returns after subtracting the cash and non-cash costs from the total value of production.

$$\begin{aligned} \text{Returns Above Cash and Non-Cash Costs} \\ = \text{Gross Return} - (\text{Cash Costs} + \text{Non-Cash Costs}) \end{aligned}$$

Net Returns – refers to the net profit after subtracting all expenses incurred from the total value of production.

$$\text{Net Returns} = \text{Gross Returns} - \text{Total Costs}$$

Net Profit-Cost Ratio – determines the rate of return to the farmers (the amount earned by the farmer for every peso spent in the production).

$$\text{Net Profit-Cost Ratio} = \text{Net Return} \div \text{Total Costs}$$

Return on Investments – measures the amount of return on an investment, relative to the investment costs. The result is expressed in percentage.

$$\text{Return on Investments} = \text{Net Profit-Cost Ratio} \times 100$$

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Specific Cost Items

Seeds/Planting materials – are plant materials used for sowing purposes for the production of food, fodder, oil, industrial crops, vegetable, fruit flower, lawn, and tree crops and include vegetative parts and/or organs used for propagating the crops/species.

Fertilizers – refer to any substance, solid or liquid, inorganic or organic, natural or synthetic, single or combination of materials, that is applied to the soil or on the plant to provide one or more of the essential elements to improve plant nutrition, growth, yield or quality, or for promoting a chemical change that enhances plant nutrition and growth.

Soil ameliorants – are elements placed or mixed into the soil to replenish depleted soil nutrients for better plant growth.

Pesticides – refer to chemicals used to control/eradicate insects, pests, and weeds.

Paid Labor

Hired labor – is labor provided by a person who is paid by the farm operator. Payment of wages is either *in cash or in kind* (as agreed). Hired labor includes a man, eventually in combination with an animal or machine in the case of custom services (wages as well as in-kind payments have to be considered).

Unpaid Labor

Operator labor – is labor contributed by the farm operator.

Family labor – is labor provided by the farmer's family members who take part in any production activities.

Exchange labor – is work done by farm laborers in exchange (or as payment) for the work done by the farm operator and family members outside the operator's own farm.

Mandays of unpaid labor are valued at prevailing wage rate in the locality.

Land tax – is amount of tax paid by the owner-operator for the farm land.

Rentals – refer to payments for the use of land, machine, animal, tools and farm machineries.

Fuel and Oil – refer to the cost incurred for the use of gasoline, oil, and other related inputs.

Transport costs of inputs – are expenditures incurred in transporting farm inputs to the production sites.

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Irrigation fee – payment for irrigation services utilized.

Interest payment on crop loan – refers to payment for the interest on borrowed capital used in the farm operations.

Landlord's/Landowner's share – is the portion of farmer's production that goes to the owner of farmland based on the agreed sharing arrangement. The valuation is based on the price at which the produce is sold or would be sold in the market.

Repairs – cover all repairs and improvements made on tools and equipment and other facilities used in the production process.

Food expenses – expenditures incurred in providing food to exchange and hired laborers.

Harvesters'/Shellers' share – refers to the portion of farmer's production that serves as payment to farm laborers who perform the harvesting and/or shelling activities.

Depreciation – refers to the cost of wear and tear of farm tools and equipment, machinery and other farm facilities and structures. It is computed as cost of acquisition divided by the estimated lifespan of farm equipment.

Interest on operating capital – is the cost of capital foregone for the purchase of seeds, fertilizers, chemicals and payment of wages for hired labor. This is derived by multiplying the total cash outlays by the prevailing lending rates from the Bangko Sentral ng Pilipinas (BSP).

Rental value of owned land/animal – is the imputed cost for the use of own farmland or animal which is derived by asking the farmer how much would be the annual value of the land or value of the animal per cropping if it will be rented out.

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SUMMARY OF FINDINGS

A. PALAY

ALL PALAY

- In 2019, the average cost of producing palay was estimated at PhP 45,302 per hectare. During the wet season cropping, the cost of palay production averaged PhP 46,463 per hectare, higher than cost incurred during the dry season cropping at PhP 45,842 per hectare.
- Gross receipts of palay farmers averaged PhP 66,626 per hectare. On the average, farmers grossed higher during the dry season at PhP 70,001 than during the wet season at PhP 63,009 per hectare.
- Net returns amounted to an average of PhP 21,324 per hectare. During the dry season cropping, net earnings reached PhP 24,159 per hectare, higher than during the wet season cropping at PhP 16,546 per hectare.
- Farmers earned an average of PhP 0.47 for every peso invested in palay production. It was higher during the dry season cropping at PhP 0.53 compared with the wet season cropping at PhP 0.36.
- Per kilogram, the average cost spent in palay production was estimated at PhP 11.20. Production costs amounted to PhP 11.47 during the dry season cropping and PhP 11.38 during the wet season cropping.
- The prices received by farmers averaged PhP 16.47 per kilogram. Farmgate prices ranged from PhP 15.43 per kilogram during the wet season cropping to PhP 17.51 per kilogram during the dry season cropping.
- At the regional level, the highest production cost was reported in Ilocos Region at an average of PhP 62,659 per hectare. Palay farmers in Ilocos Region incurred the highest cost at PhP 67,191 per hectare during the dry season. Zamboanga Peninsula had the biggest spending during the wet season at PhP 63,925 per hectare. BARMM recorded the lowest production cost averaged PhP 33,517 per hectare. The region had the least costs of palay production both during the dry season cropping at PhP 35,534 per hectare and during the wet season cropping at PhP 31,602 per hectare.

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- Northern Mindanao recorded the biggest gross earnings averaged PhP 84,242 per hectare. It grossed the highest during the wet season cropping at PhP 82,383 per hectare. Gross earnings in Central Luzon at PhP 91,519 per hectare posted the highest during the dry season cropping. Meanwhile, Caraga farmers grossed the least at an average of PhP 48,956 per hectare. It reported the lowest gross receipts during the wet season cropping at PhP 45,037 per hectare. Central Visayas had the least gross earnings at PhP 51,590 per hectare during the dry season cropping.

- Net returns in Northern Mindanao topped at an average of PhP 29,982 per hectare. During the dry season cropping, Central Luzon netted the highest at PhP 32,678 per hectare. For the wet season cropping, Northern Mindanao got the highest net returns at PhP 33,975 per hectare. Central Visayas recorded the lowest net profit averaged PhP 2,686 per hectare. It recorded negative net earnings during the dry season cropping at PhP 744 per hectare. Meanwhile, Caraga had the least net returns at PhP 738 per hectare during the wet season cropping.

- The net profit - cost ratio in BARMM was the highest at 0.60. This was particularly true during the dry season, when the net profit - cost ratio reached 0.66. Net profit - cost ratio during the wet season cropping was biggest in Northern Mindanao at 0.70. The lowest net profit - cost ratio was noted in Central Visayas at 0.05. Caraga had the least ratio at 0.02 during the wet season cropping while Central Visayas was lowest during the dry season with a negative ratio of 0.01.

- The biggest average production cost per kilogram was registered in Central Visayas at PhP 18.37. The region's cost was highest during wet and dry season cropping at PhP 16.21 and PhP 20.53 per kilogram, respectively. BARMM recorded the least cost of production at an average of PhP 10.35 per kilogram. In particular, BARMM incurred the least spending of PhP 9.35 per kilogram during the wet season cropping. For the dry season cropping, Central Luzon posted the lowest production cost at PhP 10.54 per kilogram.

- The average price received by palay farmers in Central Visayas was the highest at PhP 19.36 per kilogram. During the dry season cropping, palay farmers in Zamboanga Peninsula quoted the highest farmgate price at PhP 20.36 per kilogram. In Central Visayas, the farmgate price was the highest at PhP 18.47 per kilogram during the wet season cropping. In contrast, the lowest producer's price was recorded in Bicol Region at an average of

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PhP 15.15 per kilogram. Farmgate prices were least in Central Luzon at PhP 16.39 per kilogram during the dry season and in CALABARZON at PhP 13.67 per kilogram during the wet season. (Table 1.1)

IRRIGATED PALAY

- In irrigated farms, the production cost of palay averaged PhP 51,582 per hectare in 2019. Production cost was higher during the dry season at PhP 53,101 per hectare compared with the wet season at PhP 52,165 per hectare.
- Irrigated palay farms grossed an average of PhP 73,051 per hectare. Palay producers received higher gross earnings at PhP 77,334 per hectare during the dry season than during the wet season at PhP 68,702 per hectare.
- Net earnings averaged PhP 21,469. During the dry season, farmers netted higher returns at PhP 24,233 than during the wet season at 16,537 per hectare.
- For every peso invested in irrigated palay production, farmers received an average of PhP 0.42. It ranged from PhP 0.32 during the wet season to PhP 0.46 during the dry season.
- On a per kilogram basis, farmers incurred an average production cost of PhP 11.63. It was costlier for irrigated palay farms to produce during the dry season cropping at PhP 12.02 per kilogram than during the wet season cropping at PhP 11.72 per kilogram.
- Palay farmers received an average price of PhP 16.47 per kilogram. Farmgate prices ranged from PhP 15.43 per kilogram during the wet season cropping to PhP 17.51 per kilogram during the dry season cropping.
- By region, palay farmers in Ilocos Region recorded the highest production cost at an average of PhP 68,460 per hectare in 2019. They incurred the highest cost per hectare during the dry season cropping at PhP 67,288 and during the wet season cropping at PhP 64,920. On the other hand, BARMM recorded the least production cost averaged PhP 38,102 per hectare. This held true both for the dry and wet season croppings at PhP 36,281 and PhP 38,011 per hectare, respectively.
- Gross returns from the irrigated palay farms in Northern Mindanao topped at an average of PhP 86,885 per hectare. By season, gross returns were biggest in Northern Mindanao at PhP 85,731 per hectare during the wet season and in Central Luzon at PhP 91,601 per hectare during the dry season. Gross receipts in Caraga posted the lowest at an average of PhP 53,215 per hectare. Similar trend

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was noted during the dry season and the wet season when Caraga grossed PhP 56,849 and PhP 48,929 per hectare, respectively.

- BARMM generated the biggest net returns averaged PhP 29,871 per hectare. The region also gained the highest net returns during the dry season at PhP 32,623 per hectare. For the wet season cropping, Northern Mindanao netted the most at PhP 29,278 per hectare. Meanwhile, the least net earnings at an average of PhP 1,831 per hectare came from Central Visayas and it recorded negative net earnings during the dry season at PhP 1,475 per hectare. Caraga had lowest net returns during the wet season cropping at PhP 451 per hectare.
- Net profit - cost ratio was leading in BARMM at 0.78. The region also posted the highest ratios both during the dry season cropping at 0.90 and wet season cropping at 0.67. The lowest net profit - cost ratio was noted in Central Visayas at 0.03. Caraga recorded the least ratio at 0.01 during the wet season cropping and Central Visayas during the dry season cropping at a negative ratio of 0.02.
- Per kilogram, the average cost incurred by farmers in producing palay in irrigated farms was highest in Central Visayas at PhP 18.75. The region's production costs were biggest both during the dry season cropping at PhP 20.76 and during the wet season cropping at PhP 16.64. In contrast, the least cost per kilogram was noted in BARMM at an average of PhP 9.27. Likewise, it incurred the lowest spending both during the dry season at PhP 10.19 per kilogram and during the wet season at PhP 8.23 per kilogram.
- Irrigated palay farmers in Central Visayas reported the highest producer price averaged PhP 19.36 per kilogram. In particular, prices were highest during the dry season cropping in Zamboanga Peninsula at PhP 20.36 per kilogram and during the wet season cropping in Central Visayas at PhP 18.47 per kilogram. Bicol Region posted the least farmgate price at PhP 15.15 per kilogram. During the dry season cropping, Central Luzon had the lowest price at PhP 16.39 per kilogram. CALABARZON's price was the least during the wet season cropping at PhP 13.67 per kilogram. (Table 1.2)

NON-IRRIGATED PALAY

- The average cost of producing palay in non-irrigated farms amounted to PhP 41,893 per hectare in 2019. During the dry season, the production cost was lower at PhP 40,002 per hectare while during the wet season, the cost was PhP 44,357 per hectare.
- Gross earnings from non-irrigated palay farms reached an average of PhP 51,536 per hectare. Palay farmers grossed higher during the wet season

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

cropping at PhP 51,771 per hectare than during the dry season cropping at PhP 48,191 per hectare.

- Net earnings averaged PhP 9,643 per hectare. The dry season cropping yielded higher net earnings at PhP 8,189 per hectare compared with the wet season cropping at PhP 7,414 per hectare.
- For every peso of investment in non-irrigated palay farming, farmers gained an average of PhP 0.23. Net profit - cost ratio ranged from 0.17 during the wet season cropping to 0.20 during the dry season cropping.
- The cost incurred in producing a kilogram of palay in non-irrigated palay farms averaged PhP 13.39. Higher cost was spent during the dry season cropping at PhP 14.53 per kilogram than during the wet season cropping at PhP 13.22 per kilogram.
- Farmgate price averaged PhP 16.47 per kilogram. It was higher during the dry season cropping at PhP 17.51 per kilogram compared with PhP 15.43 per kilogram during the wet season cropping.
- Among the regions, Central Luzon had the highest cost of producing palay in non-irrigated farms at an average of PhP 59,072 per hectare. Likewise, the region posted the biggest cost during the wet season cropping at PhP 61,013 per hectare. Meanwhile, Cagayan Valley had the biggest cost during the dry season cropping at PhP 49,411 per hectare. On the other hand, BARMM posted the least production cost averaged PhP 32,338 per hectare. Similar trend was observed in BARMM during the dry season cropping with production cost at PhP 33,408 per hectare. The wet season cropping in Northern Mindanao indicated the least cost at PhP 28,512 per hectare.
- Northern Mindanao got the biggest gross earnings averaged PhP 65,923 per hectare. Also, the region grossed the highest during the wet season cropping at PhP 64,362 per hectare. For the dry season cropping, Central Luzon topped with gross returns of PhP 67,442 per hectare. In contrast, CALABARZON had the least gross returns averaged PhP 34,172 per hectare. By season, gross returns were lowest in CALABARZON during the wet season at PhP 29,828 per hectare and in CAR during the dry season at PhP 30,155 per hectare.
- Net earnings in Northern Mindanao topped at an average of PhP 32,675 per hectare. The region also obtained the highest net earnings during the wet season cropping at PhP 35,850 per hectare. During the dry season, Central Luzon had the biggest net returns averaged PhP 25,639 per hectare.

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- The highest net profit - cost ratio among the regions was noted in Northern Mindanao at 0.98. The region also posted the highest net profit - cost ratio during wet season at 1.26 while BARMM recorded the highest ratio at 0.68 for the dry season cropping.
- Production cost per kilogram was biggest in Central Visayas at an average of PhP 19.50. The region spent the highest cost during the dry season cropping at PhP 22.51 per kilogram. For the wet season cropping, CALABARZON posted the biggest cost per kilogram at PhP 19.55. Meanwhile, Northern Mindanao had the least production cost at an average of PhP 9.14 per kilogram. Specifically, Northern Mindanao incurred the least cost during the wet season at PhP 7.45 per kilogram. The lowest cost during the dry season was observed in Central Luzon at PhP 10.16 per kilogram.
- The average price received by palay farmers in non-irrigated farms was highest in Central Visayas at 19.36 per kilogram. By season, the highest farmgate prices were reported in Zamboanga Peninsula during the dry season cropping at PhP 20.36 per kilogram and in Central Visayas during the wet season cropping at PhP 18.47 per kilogram. The farmgate price was quoted lowest in Bicol Region at PhP 15.15 per kilogram. Low price levels were noted in Central Luzon at PhP 16.39 per kilogram during the dry season and in CALABARZON at PhP 13.67 per kilogram during the wet season. (Table 1.3)

B. CORN

ALL CORN

- In 2019, the country's production of corn incurred an average cost of PhP 24,740 per hectare. Gross returns averaged PhP 41,337 per hectare. After deducting all costs, returns amounted to an average of PhP 16,598. Farmers netted PhP 0.67 for every peso invested in corn production. The cost per kilogram of producing corn averaged PhP 7.80 while the farmgate price was quoted at an average of PhP 13.04 per kilogram.
- Across regions, Cagayan Valley posted the highest average production cost at PhP 51,575 per hectare. This was distantly followed by Western Visayas with PhP 29,964 per hectare. Zamboanga Peninsula had the least average cost at PhP 16,204 per hectare.
- Cagayan Valley registered the biggest gross returns at PhP 56,885 per hectare and MIMAROPA Region came next at PhP 53,341 per hectare. On the other hand, Zamboanga Peninsula grossed the least at an average of PhP 18,821 per hectare.

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

- Average net returns were highest in MIMAROPA Region at PhP 34,075 per hectare and Northern Mindanao at PhP 23,966 per hectare. It was least in Zamboanga Peninsula at PhP 2,617.
- For every peso of investment in corn production, farmers in MIMAROPA Region earned the biggest at an average of PhP 1.77 and the lowest was earned by the farmers in Cagayan Valley at an average of PhP 0.10.
- Cagayan Valley had the highest average cost of producing one kilogram of corn at PhP 11.82. The least production cost per kilogram was recorded in MIMAROPA Region at an average of PhP 5.27.
- Per kilogram, the average prices received by corn farmers were highest in MIMAROPA Region at PhP 14.60, Bicol Region at PhP 13.61 and Western Visayas at PhP 13.51. The least was noted in Caraga at PhP 11.95 per kilogram. (Table 18.1)

WHITE CORN

- The cost of producing white corn averaged PhP 16,189 per hectare in 2019. Gross returns amounted to an average of PhP 24,352 per hectare while net returns averaged PhP 8,162 per hectare. Net profit - cost ratio was computed at 0.50. The average cost per kilogram of producing white corn was PhP 8.61. The price received by white corn farmers averaged PhP 12.95 per kilogram.
- By region, average production costs were higher in Cagayan Valley at PhP 32,998 per hectare and in MIMAROPA Region at PhP 23,503 per hectare. CALABARZON incurred the least at PhP 8,693 per hectare.
- In Cagayan Valley, white corn farmers gained the biggest gross returns at an average of PhP 35,472 per hectare. The least was reported in Central Visayas where farmers grossed PhP 10,959 per hectare.
- CALABARZON topped in net returns at an average of PhP 14,534 per hectare. In contrast, net losses were reported in Davao Region at an average of PhP 5,810 per hectare and in Central Visayas at PhP 4,139 per hectare during the period.
- White corn farmers in CALABARZON got the biggest net profit - cost ratio at 1.67. The least ratio was noted in Cagayan Valley at 0.07.
- The average cost incurred in producing a kilogram of white corn ranged from PhP 5.16 in CALABARZON to PhP 18.82 in Central Visayas.

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

- Farmgate price was highest in CALABARZON at PhP 13.77 per kilogram while it was lowest in Caraga at PhP 12.21 per kilogram. (Table 18.2)

YELLOW CORN

- In 2019, yellow corn farmers recorded an average production cost of PhP 44,213 per hectare. Gross returns averaged PhP 54,553 per hectare. Less of all costs, net returns amounted to PhP 10,340 per hectare. Net profit - cost ratio stood at 0.23. On a per kilogram basis, the average production cost of yellow corn was estimated at PhP 10.59 while farmgate price was PhP 13.07.
- At the regional level, Central Luzon had the highest production costs which averaged at PhP 57,339 per hectare. It was least in MIMAROPA Region at an average of PhP 18,030 per hectare.
- For the gross earnings, Ilocos Region registered the biggest at an average of PhP 88,746 per hectare. Zamboanga Peninsula grossed the lowest at PhP 35,215 per hectare.
- Net returns were higher in MIMAROPA Region at PhP 42,645 per hectare and in Ilocos Region at PhP 34,141 per hectare. Producers of yellow corn in Western Visayas netted the least at PhP 4,301 per hectare.
- Yellow corn farmers in MIMAROPA Region had the highest net profit - cost ratio at 2.37, followed by Bicol Region at 1.06. Western Visayas registered the lowest ratio at 0.09.
- Per kilogram, Western Visayas spent the biggest average production cost at PhP 12.44 and MIMAROPA Region had the least cost at PhP 4.42.
- The farmgate prices of yellow corn ranged from PhP 10.16 per kilogram in Zamboanga Peninsula to PhP 14.89 in MIMAROPA Region. (Table 18.3)

A. PALAY

SUMMARY TABLE

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Table 1.1. All Palay: Summary of Updated Average Costs of Production, by Season and Region, Philippines, 2019

| Region | GROSS RETURNS (PhP/ha) | | | TOTAL COSTS (PhP/ha) | | | NET RETURNS (PhP/ha) | | |
|---------------------|---------------------------|--------|--------|-------------------------|--------|--------|-------------------------|--------|--------|
| | Dry | Wet | Annual | Dry | Wet | Annual | Dry | Wet | Annual |
| Philippines | 70,001 | 63,009 | 66,626 | 45,842 | 46,463 | 45,302 | 24,159 | 16,546 | 21,324 |
| CAR | 73,002 | 55,395 | 63,002 | 50,491 | 48,564 | 48,098 | 22,511 | 6,830 | 14,904 |
| Ilocos Region | 89,266 | 71,068 | 78,591 | 67,191 | 58,021 | 62,659 | 22,075 | 13,047 | 15,933 |
| Cagayan Valley | 78,492 | 68,862 | 73,678 | 57,045 | 62,416 | 60,353 | 21,448 | 6,446 | 13,325 |
| Central Luzon | 91,519 | 69,275 | 79,419 | 58,841 | 55,017 | 56,928 | 32,678 | 14,258 | 22,492 |
| CALABARZON | 61,005 | 51,727 | 56,348 | 55,027 | 45,931 | 49,837 | 5,979 | 5,796 | 6,511 |
| MIMAROPA Region | 69,750 | 66,756 | 69,746 | 54,611 | 57,074 | 55,989 | 15,139 | 9,682 | 13,757 |
| Bicol Region | 54,695 | 50,606 | 52,879 | 39,519 | 39,941 | 40,251 | 15,177 | 10,666 | 12,628 |
| Western Visayas | 54,848 | 53,764 | 55,846 | 41,806 | 41,770 | 41,760 | 13,042 | 11,994 | 14,086 |
| Central Visayas | 51,590 | 54,184 | 52,604 | 52,334 | 47,555 | 49,919 | -744 | 6,629 | 2,686 |
| Eastern Visayas | 63,128 | 59,746 | 61,164 | 42,043 | 47,755 | 44,960 | 21,085 | 11,990 | 16,204 |
| Zamboanga Peninsula | 80,069 | 66,392 | 73,981 | 52,034 | 63,925 | 50,867 | 28,034 | 2,468 | 23,113 |
| Northern Mindanao | 84,238 | 82,383 | 84,242 | 59,941 | 48,408 | 54,260 | 24,298 | 33,975 | 29,982 |
| Davao Region | 79,472 | 75,500 | 77,566 | 62,324 | 57,252 | 61,819 | 17,148 | 18,248 | 15,747 |
| SOCCSKSARGEN | 55,983 | 58,143 | 57,895 | 46,435 | 42,687 | 44,831 | 9,548 | 15,456 | 13,063 |
| Caraga | 52,083 | 45,037 | 48,956 | 42,474 | 44,299 | 41,438 | 9,608 | 738 | 7,518 |
| BARMM | 58,986 | 46,408 | 53,549 | 35,534 | 31,602 | 33,517 | 23,452 | 14,806 | 20,032 |

Table 1.1. (Cont.)

| Region | NET PROFIT - COST RATIO | | | COST PER KILOGRAM (PhP) | | | FARMGATE PRICE (PhP/kg) | | |
|---------------------|-------------------------|------|--------|----------------------------|-------|--------|----------------------------|-------|--------|
| | Dry | Wet | Annual | Dry | Wet | Annual | Dry | Wet | Annual |
| Philippines | 0.53 | 0.36 | 0.47 | 11.47 | 11.38 | 11.20 | 17.51 | 15.43 | 16.47 |
| CAR | 0.45 | 0.14 | 0.31 | 12.22 | 13.75 | 12.74 | 17.68 | 15.69 | 16.68 |
| Ilocos Region | 0.33 | 0.22 | 0.25 | 14.05 | 12.99 | 13.78 | 18.66 | 15.91 | 17.28 |
| Cagayan Valley | 0.38 | 0.10 | 0.22 | 12.58 | 13.75 | 13.30 | 17.30 | 15.17 | 16.24 |
| Central Luzon | 0.56 | 0.26 | 0.40 | 10.54 | 11.70 | 11.15 | 16.39 | 14.73 | 15.56 |
| CALABARZON | 0.11 | 0.13 | 0.13 | 15.22 | 12.14 | 13.51 | 16.87 | 13.67 | 15.27 |
| MIMAROPA Region | 0.28 | 0.17 | 0.25 | 15.01 | 13.54 | 14.05 | 19.17 | 15.83 | 17.50 |
| Bicol Region | 0.38 | 0.27 | 0.31 | 11.94 | 10.87 | 11.53 | 16.53 | 13.77 | 15.15 |
| Western Visayas | 0.31 | 0.29 | 0.34 | 13.94 | 11.96 | 12.60 | 18.29 | 15.40 | 16.84 |
| Central Visayas | -0.01 | 0.14 | 0.05 | 20.53 | 16.21 | 18.37 | 20.24 | 18.47 | 19.36 |
| Eastern Visayas | 0.50 | 0.25 | 0.36 | 12.29 | 13.11 | 12.81 | 18.45 | 16.41 | 17.43 |
| Zamboanga Peninsula | 0.54 | 0.04 | 0.45 | 13.23 | 15.09 | 12.38 | 20.36 | 15.67 | 18.01 |
| Northern Mindanao | 0.41 | 0.70 | 0.55 | 13.82 | 9.88 | 11.67 | 19.42 | 16.81 | 18.12 |
| Davao Region | 0.28 | 0.32 | 0.25 | 14.53 | 12.89 | 14.16 | 18.53 | 17.00 | 17.76 |
| SOCCSKSARGEN | 0.21 | 0.36 | 0.29 | 13.76 | 11.03 | 12.24 | 16.59 | 15.03 | 15.81 |
| Caraga | 0.23 | 0.02 | 0.18 | 13.44 | 14.95 | 13.40 | 16.48 | 15.20 | 15.84 |
| BARMM | 0.66 | 0.47 | 0.60 | 11.66 | 9.35 | 10.35 | 19.35 | 13.74 | 16.54 |

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Table 1.2. Irrigated Palay: Summary of Updated Average Costs of Production, by Season and Region, Philippines, 2019

| Region | GROSS RETURNS (PhP/ha) | | | TOTAL COSTS (PhP/ha) | | | NET RETURNS (PhP/ha) | | |
|---------------------|---------------------------|--------|--------|-------------------------|--------|--------|-------------------------|--------|--------|
| | Dry | Wet | Annual | Dry | Wet | Annual | Dry | Wet | Annual |
| Philippines | 77,334 | 68,702 | 73,051 | 53,101 | 52,165 | 51,582 | 24,233 | 16,537 | 21,469 |
| CAR | 74,048 | 60,612 | 67,119 | 51,002 | 45,584 | 44,437 | 23,045 | 15,028 | 22,682 |
| Ilocos Region | 89,320 | 75,736 | 82,450 | 67,288 | 64,920 | 68,460 | 22,031 | 10,816 | 13,989 |
| Cagayan Valley | 82,240 | 71,289 | 76,743 | 56,404 | 60,953 | 59,792 | 25,836 | 10,336 | 16,950 |
| Central Luzon | 91,601 | 70,606 | 80,656 | 59,626 | 55,019 | 56,466 | 31,975 | 15,587 | 24,190 |
| CALABARZON | 68,825 | 56,948 | 62,904 | 58,714 | 47,627 | 52,690 | 10,111 | 9,321 | 10,214 |
| MIMAROPA Region | 72,673 | 70,598 | 72,822 | 57,576 | 60,579 | 58,474 | 15,097 | 10,019 | 14,347 |
| Bicol Region | 60,062 | 55,119 | 57,827 | 43,587 | 42,768 | 43,123 | 16,474 | 12,351 | 14,703 |
| Western Visayas | 60,200 | 59,386 | 61,272 | 48,053 | 50,146 | 48,299 | 12,147 | 9,240 | 12,973 |
| Central Visayas | 57,689 | 59,297 | 58,108 | 59,164 | 53,424 | 56,277 | -1,475 | 5,872 | 1,831 |
| Eastern Visayas | 79,838 | 69,869 | 74,906 | 53,393 | 60,023 | 57,278 | 26,444 | 9,846 | 17,628 |
| Zamboanga Peninsula | 88,134 | 72,974 | 81,942 | 56,550 | 54,923 | 55,219 | 31,584 | 18,051 | 26,722 |
| Northern Mindanao | 86,337 | 85,731 | 86,885 | 60,688 | 56,453 | 58,820 | 25,649 | 29,278 | 28,065 |
| Davao Region | 82,646 | 78,196 | 80,497 | 64,721 | 59,268 | 63,257 | 17,924 | 18,929 | 17,240 |
| SOCCSKSARGEN | 59,361 | 62,962 | 61,915 | 49,290 | 44,655 | 47,182 | 10,070 | 18,307 | 14,733 |
| Caraga | 56,849 | 48,929 | 53,215 | 47,334 | 48,477 | 45,661 | 9,515 | 451 | 7,553 |
| BARMM | 68,905 | 63,444 | 67,973 | 36,281 | 38,011 | 38,102 | 32,623 | 25,433 | 29,871 |

Table 1.2. (Cont.)

| Region | NET PROFIT - COST RATIO | | | COST PER KILOGRAM (PhP) | | | FARMGATE PRICE (PhP/kg) | | |
|---------------------|-------------------------|------|--------|----------------------------|-------|--------|----------------------------|-------|--------|
| | Dry | Wet | Annual | Dry | Wet | Annual | Dry | Wet | Annual |
| Philippines | 0.46 | 0.32 | 0.42 | 12.02 | 11.72 | 11.63 | 17.51 | 15.43 | 16.47 |
| CAR | 0.45 | 0.33 | 0.51 | 12.17 | 11.80 | 11.04 | 17.68 | 15.69 | 16.68 |
| Ilocos Region | 0.33 | 0.17 | 0.20 | 14.06 | 13.64 | 14.35 | 18.66 | 15.91 | 17.28 |
| Cagayan Valley | 0.46 | 0.17 | 0.28 | 11.87 | 12.97 | 12.65 | 17.30 | 15.17 | 16.24 |
| Central Luzon | 0.54 | 0.28 | 0.43 | 10.67 | 11.48 | 10.89 | 16.39 | 14.73 | 15.56 |
| CALABARZON | 0.17 | 0.20 | 0.19 | 14.39 | 11.43 | 12.79 | 16.87 | 13.67 | 15.27 |
| MIMAROPA Region | 0.26 | 0.17 | 0.25 | 15.19 | 13.58 | 14.05 | 19.17 | 15.83 | 17.50 |
| Bicol Region | 0.38 | 0.29 | 0.34 | 11.99 | 10.68 | 11.30 | 16.53 | 13.77 | 15.15 |
| Western Visayas | 0.25 | 0.18 | 0.27 | 14.60 | 13.00 | 13.28 | 18.29 | 15.40 | 16.84 |
| Central Visayas | -0.02 | 0.11 | 0.03 | 20.76 | 16.64 | 18.75 | 20.24 | 18.47 | 19.36 |
| Eastern Visayas | 0.50 | 0.16 | 0.31 | 12.34 | 14.09 | 13.33 | 18.45 | 16.41 | 17.43 |
| Zamboanga Peninsula | 0.56 | 0.33 | 0.48 | 13.06 | 11.79 | 12.14 | 20.36 | 15.67 | 18.01 |
| Northern Mindanao | 0.42 | 0.52 | 0.48 | 13.65 | 11.07 | 12.26 | 19.42 | 16.81 | 18.12 |
| Davao Region | 0.28 | 0.32 | 0.27 | 14.51 | 12.88 | 13.96 | 18.53 | 17.00 | 17.76 |
| SOCCSKSARGEN | 0.20 | 0.41 | 0.31 | 13.77 | 10.66 | 12.05 | 16.59 | 15.03 | 15.81 |
| Caraga | 0.20 | 0.01 | 0.17 | 13.72 | 15.06 | 13.59 | 16.48 | 15.20 | 15.84 |
| BARMM | 0.90 | 0.67 | 0.78 | 10.19 | 8.23 | 9.27 | 19.35 | 13.74 | 16.54 |

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Table 1.3. Non-Irrigated Palay: Summary of Updated Average Costs of Production, by Season and Region, Philippines, 2019

| Region | GROSS RETURNS (PhP/ha) | | | TOTAL COSTS (PhP/ha) | | | NET RETURNS (PhP/ha) | | |
|---------------------|---------------------------|--------|--------|-------------------------|--------|--------|-------------------------|---------|--------|
| | Dry | Wet | Annual | Dry | Wet | Annual | Dry | Wet | Annual |
| Philippines | 48,191 | 51,771 | 51,536 | 40,002 | 44,357 | 41,893 | 8,189 | 7,414 | 9,643 |
| CAR | 30,155 | 43,011 | 44,821 | 34,945 | 37,070 | 35,971 | -4,790 | 5,942 | 8,849 |
| Ilocos Region | | 64,240 | | | 54,840 | | | 9,399 | |
| Cagayan Valley | 50,944 | 44,843 | 47,885 | 49,411 | 49,335 | 46,539 | 1,533 | -4,492 | 1,346 |
| Central Luzon | 67,442 | 60,724 | 64,139 | 41,802 | 61,013 | 59,072 | 25,639 | -289 | 5,067 |
| CALABARZON | 38,311 | 29,828 | 34,172 | 36,932 | 42,656 | 41,327 | 1,379 | -12,829 | -7,154 |
| MIMAROPA Region | 60,109 | 60,067 | 62,960 | 41,117 | 53,201 | 51,642 | 18,992 | 6,865 | 11,318 |
| Bicol Region | 44,030 | 41,521 | 42,983 | 37,107 | 34,950 | 37,614 | 6,922 | 6,571 | 5,369 |
| Western Visayas | 49,572 | 49,412 | 51,264 | 38,413 | 39,106 | 38,975 | 11,159 | 10,307 | 12,289 |
| Central Visayas | 39,970 | 46,148 | 42,980 | 44,450 | 41,396 | 43,304 | -4,480 | 4,751 | -324 |
| Eastern Visayas | 49,287 | 49,359 | 48,762 | 37,130 | 39,878 | 38,169 | 12,157 | 9,481 | 10,593 |
| Zamboanga Peninsula | 65,167 | 58,225 | 63,500 | 44,778 | 45,365 | 44,981 | 20,389 | 12,860 | 18,518 |
| Northern Mindanao | 62,485 | 64,362 | 65,923 | 45,488 | 28,512 | 33,249 | 16,997 | 35,850 | 32,675 |
| Davao Region | 58,258 | 56,827 | 57,620 | 48,152 | 50,588 | 49,283 | 10,107 | 6,239 | 8,337 |
| SOCCSKSARGEN | 37,123 | 43,280 | 42,397 | 34,863 | 35,554 | 35,042 | 2,261 | 7,726 | 7,355 |
| Caraga | 46,027 | 37,618 | 42,732 | 39,056 | 39,553 | 37,701 | 6,971 | -1,936 | 5,032 |
| BARMM | 56,010 | 42,509 | 49,821 | 33,408 | 28,705 | 32,338 | 22,602 | 13,805 | 17,484 |

Blank cell indicates no data

Table 1.3. (Cont.)

| Region | NET PROFIT - COST RATIO | | | COST PER KILOGRAM (PhP) | | | FARMGATE PRICE (PhP/kg) | | |
|---------------------|-------------------------|--------|--------|----------------------------|-------|--------|----------------------------|-------|--------|
| | Dry | Wet | Annual | Dry | Wet | Annual | Dry | Wet | Annual |
| Philippines | 0.20 | 0.17 | 0.23 | 14.53 | 13.22 | 13.39 | 17.51 | 15.43 | 16.47 |
| CAR | -0.14 | 0.16 | 0.25 | 20.48 | 13.52 | 13.39 | 17.68 | 15.69 | 16.68 |
| Ilocos Region | | 0.17 | | | 13.58 | | | 15.91 | |
| Cagayan Valley | 0.03 | -0.09 | 0.03 | 16.78 | 16.69 | 15.78 | 17.30 | 15.17 | 16.24 |
| Central Luzon | 0.61 | -0.005 | 0.09 | 10.16 | 14.80 | 14.33 | 16.39 | 14.73 | 15.56 |
| CALABARZON | 0.04 | -0.30 | -0.17 | 16.27 | 19.55 | 18.47 | 16.87 | 13.67 | 15.27 |
| MIMAROPA Region | 0.46 | 0.13 | 0.22 | 13.11 | 14.02 | 14.35 | 19.17 | 15.83 | 17.50 |
| Bicol Region | 0.19 | 0.19 | 0.14 | 13.93 | 11.59 | 13.26 | 16.53 | 13.77 | 15.15 |
| Western Visayas | 0.29 | 0.26 | 0.32 | 14.17 | 12.19 | 12.81 | 18.29 | 15.40 | 16.84 |
| Central Visayas | -0.10 | 0.11 | -0.01 | 22.51 | 16.57 | 19.50 | 20.24 | 18.47 | 19.36 |
| Eastern Visayas | 0.33 | 0.24 | 0.28 | 13.90 | 13.26 | 13.64 | 18.45 | 16.41 | 17.43 |
| Zamboanga Peninsula | 0.46 | 0.28 | 0.41 | 13.99 | 12.21 | 12.76 | 20.36 | 15.67 | 18.01 |
| Northern Mindanao | 0.37 | 1.26 | 0.98 | 14.14 | 7.45 | 9.14 | 19.42 | 16.81 | 18.12 |
| Davao Region | 0.21 | 0.12 | 0.17 | 15.31 | 15.13 | 15.19 | 18.53 | 17.00 | 17.76 |
| SOCCSKSARGEN | 0.06 | 0.22 | 0.21 | 15.58 | 12.34 | 13.07 | 16.59 | 15.03 | 15.81 |
| Caraga | 0.18 | -0.05 | 0.13 | 13.98 | 15.98 | 13.97 | 16.48 | 15.20 | 15.84 |
| BARMM | 0.68 | 0.48 | 0.54 | 11.54 | 9.28 | 10.74 | 19.35 | 13.74 | 16.54 |

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FIGURES

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Figure 1. All Palay: Total Costs per Hectare, by Season and Region, 2019

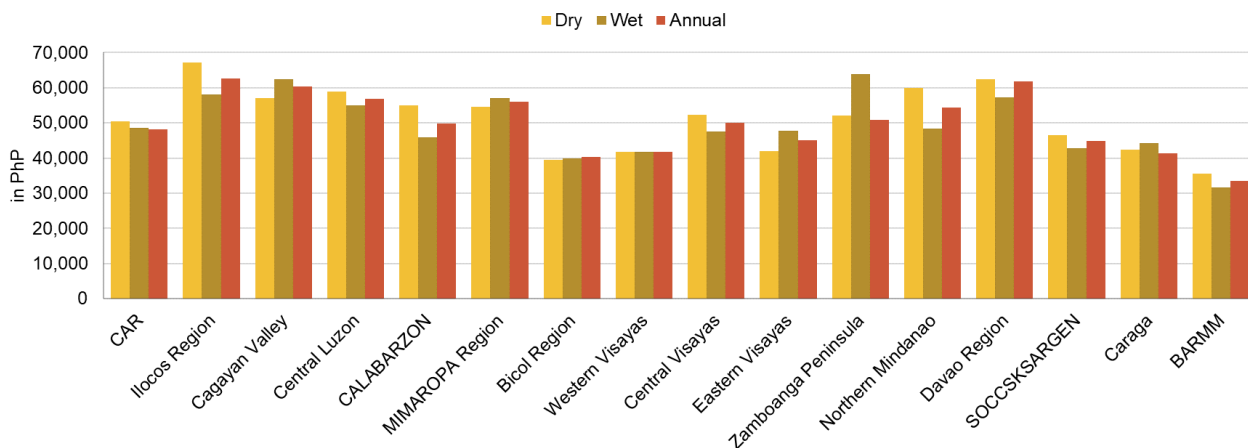


Figure 2. All Palay: Gross Returns per Hectare, by Season and Region, 2019

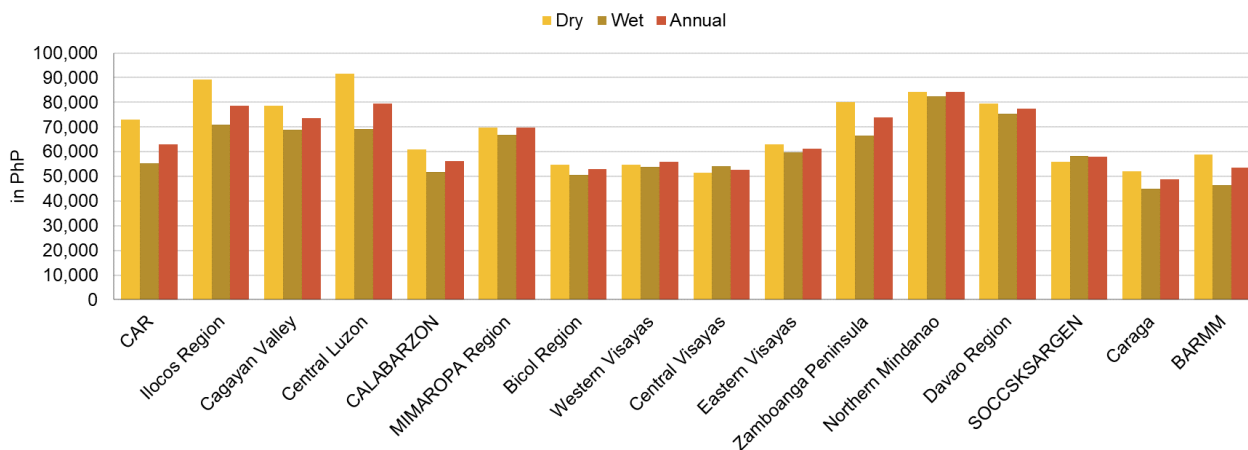
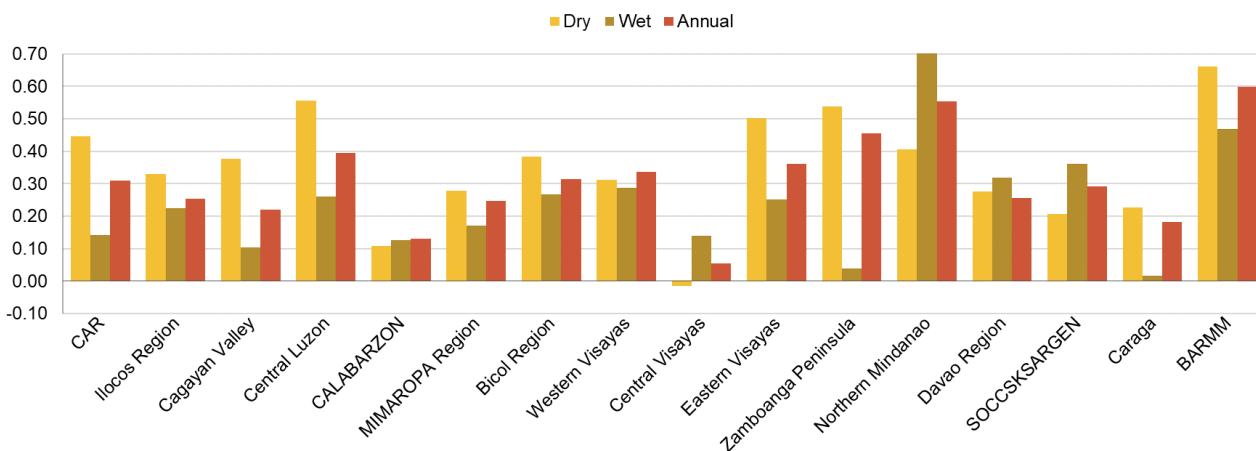


Figure 3. All Palay: Net Profit - Cost Ratio per Hectare, by Season and Region, 2019



Source: Philippine Statistics Authority

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Figure 4. Irrigated Palay: Total Costs per Hectare, by Season and Region, 2019

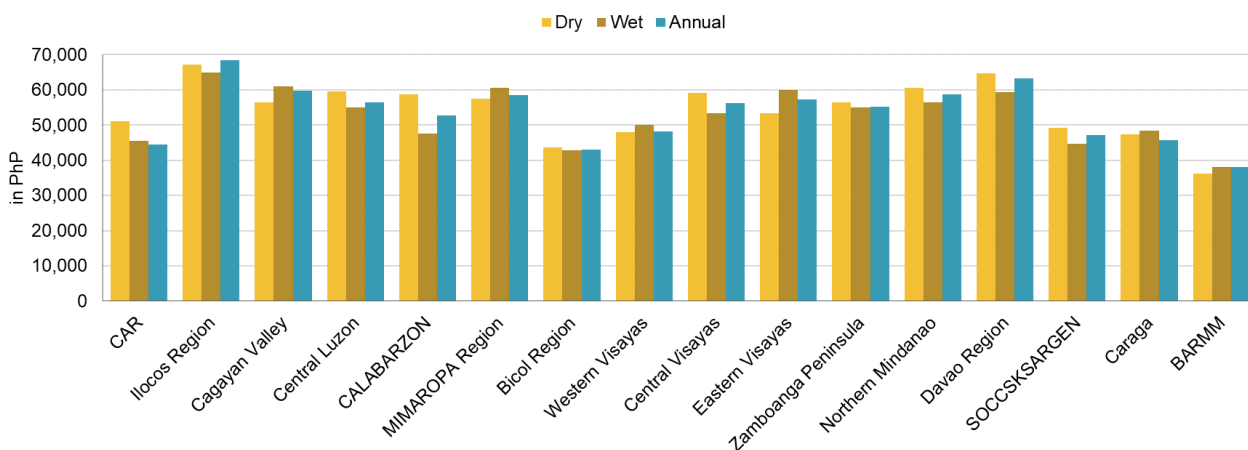


Figure 5. Irrigated Palay: Gross Returns per Hectare, by Season and Region, 2019

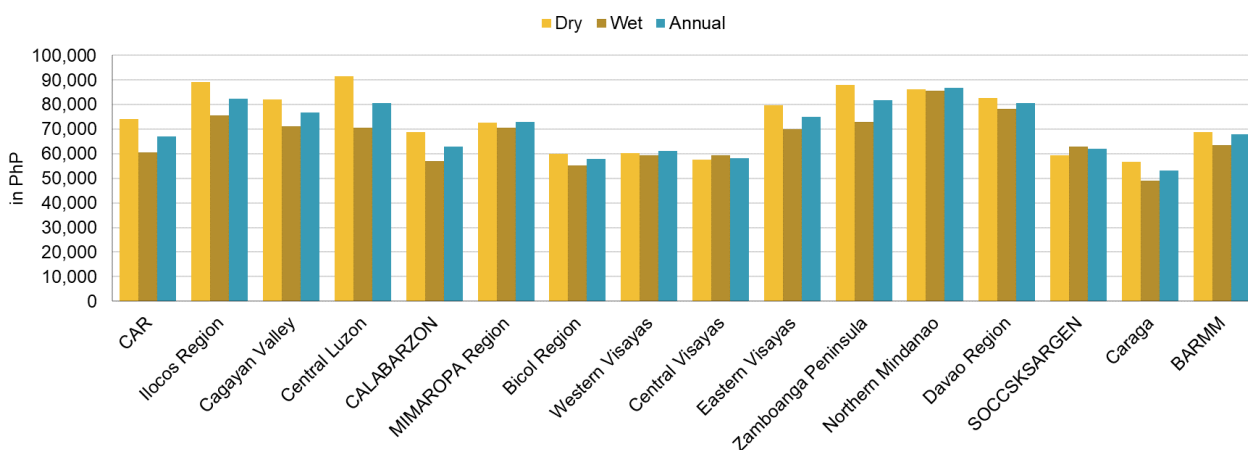
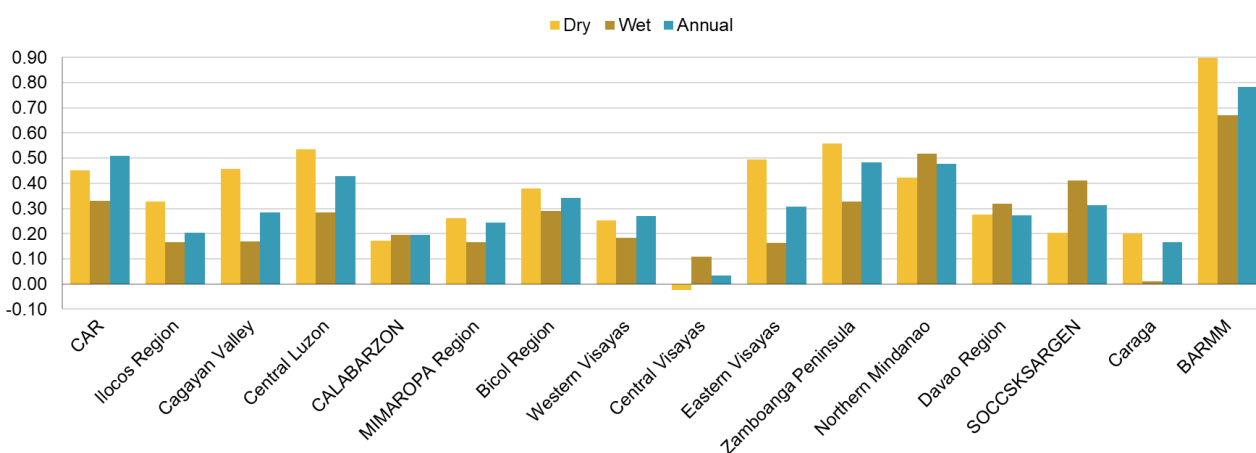


Figure 6. Irrigated Palay: Net Profit - Cost Ratio per Hectare, by Season and Region, 2019



Source: Philippine Statistics Authority

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Figure 7. Non-Irrigated Palay: Total Costs per Hectare, by Season and Region, 2019

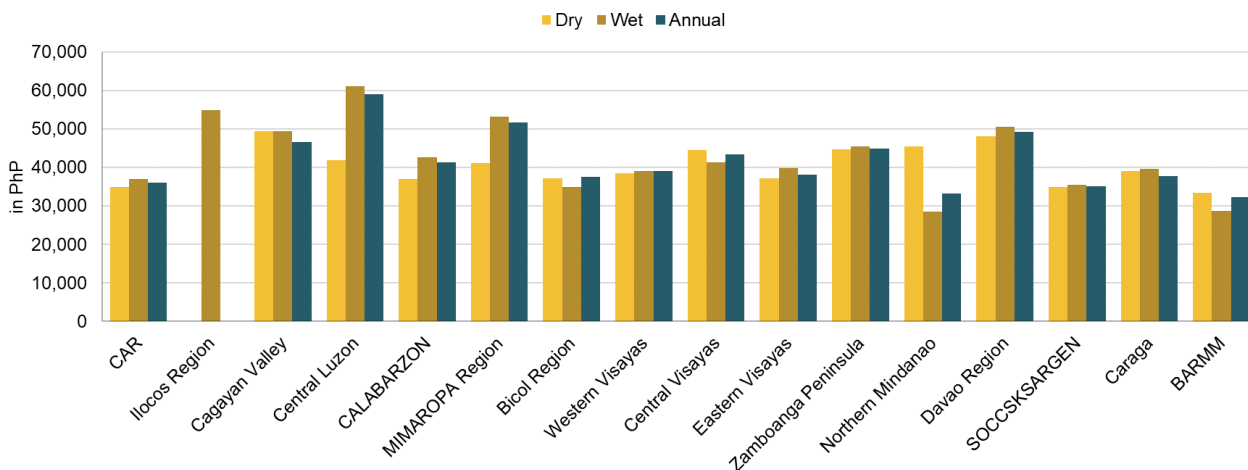


Figure 8. Non-Irrigated Palay: Gross Returns per Hectare, by Season and Region, 2019

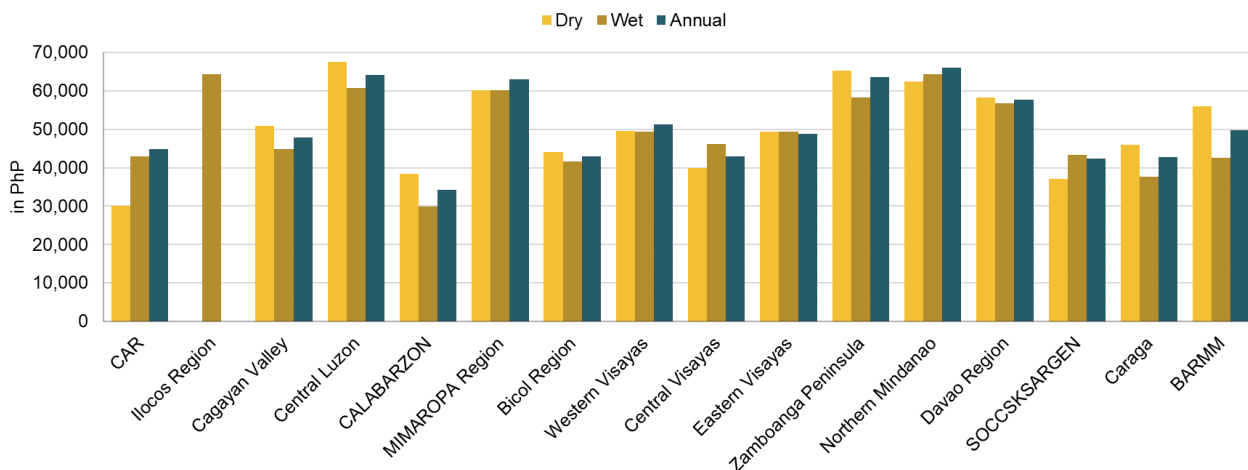
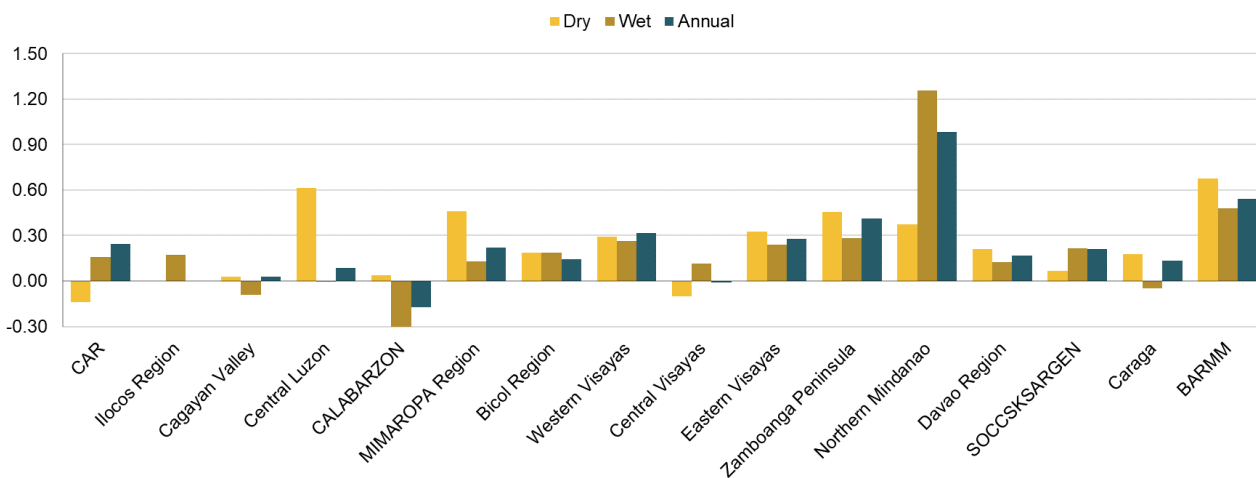


Figure 9. Non-Irrigated Palay: Net Profit - Cost Ratio per Hectare, by Season and Region, 2019



Source: Philippine Statistics Authority

STATISTICAL TABLES

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Table 1A. All Palay: Updated Average Costs of Production, by Season, Philippines, 2017 - 2019

| ITEM | DRY SEASON | | | WET SEASON | | | ANNUAL | | |
|--|-----------------------------|--------|--------|------------|--------|--------|--------|--------|--------|
| | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| | <i>(in PhP per hectare)</i> | | | | | | | | |
| CASH COSTS | 20,291 | 21,406 | 22,247 | 20,465 | 21,829 | 22,168 | 20,412 | 21,165 | 21,715 |
| Seeds | 1,142 | 1,262 | 1,105 | 1,230 | 1,396 | 1,036 | 1,188 | 1,330 | 1,074 |
| Fertilizer | 3,666 | 3,834 | 4,236 | 3,703 | 4,082 | 4,246 | 3,716 | 4,021 | 4,308 |
| Pesticides | 1,233 | 1,270 | 1,260 | 1,371 | 1,306 | 1,345 | 1,304 | 1,248 | 1,295 |
| Hired labor | 8,791 | 9,292 | 9,755 | 9,036 | 9,569 | 10,092 | 8,919 | 8,987 | 9,411 |
| Caretaker/overseer's wages | 154 | 163 | 171 | 112 | 118 | 125 | 131 | 132 | 139 |
| Other permanent employee's salary | 55 | 58 | 61 | 48 | 50 | 53 | 51 | 51 | 54 |
| Land tax | 187 | 189 | 190 | 197 | 199 | 201 | 193 | 195 | 197 |
| Rentals | 547 | 584 | 591 | 394 | 424 | 414 | 466 | 481 | 476 |
| Fuel & Oil | 759 | 799 | 830 | 772 | 839 | 819 | 766 | 819 | 826 |
| Transport cost of inputs | 161 | 170 | 175 | 178 | 191 | 190 | 171 | 182 | 184 |
| Interest payment on crop loan | 509 | 560 | 616 | 384 | 422 | 464 | 442 | 486 | 534 |
| Irrigation fee | 476 | 526 | 460 | 321 | 364 | 270 | 394 | 441 | 356 |
| Sacks and tying materials | 394 | 411 | 425 | 436 | 463 | 470 | 417 | 439 | 449 |
| Electricity cost | 24 | 25 | 26 | 35 | 38 | 37 | 30 | 32 | 33 |
| Food expense | 960 | 1,011 | 1,047 | 1,003 | 1,083 | 1,085 | 985 | 1,050 | 1,068 |
| Repairs | 1,229 | 1,249 | 1,294 | 1,237 | 1,274 | 1,310 | 1,235 | 1,263 | 1,303 |
| Others ^{a/} | 5 | 5 | 6 | 8 | 9 | 9 | 6 | 7 | 7 |
| NON-CASH COSTS | 12,259 | 13,468 | 12,062 | 13,370 | 14,887 | 12,122 | 12,840 | 14,112 | 12,059 |
| Seeds | 528 | 583 | 511 | 604 | 685 | 509 | 568 | 636 | 513 |
| Fertilizer | 31 | 32 | 36 | 21 | 23 | 24 | 25 | 27 | 29 |
| Pesticides | 7 | 7 | 7 | 2 | 2 | 2 | 4 | 4 | 4 |
| Hired labor in kind | 718 | 758 | 796 | 779 | 825 | 870 | 751 | 756 | 792 |
| Harvesters' share | 3,124 | 3,459 | 2,956 | 3,307 | 3,687 | 2,884 | 3,218 | 3,574 | 2,939 |
| Threshers' share | 2,763 | 3,059 | 2,614 | 3,329 | 3,712 | 2,903 | 3,062 | 3,401 | 2,797 |
| Landowner's share | 2,965 | 3,278 | 2,869 | 3,239 | 3,675 | 2,727 | 3,108 | 3,481 | 2,811 |
| Caretaker/overseers wages | 890 | 941 | 988 | 745 | 788 | 832 | 814 | 820 | 859 |
| Other permanent employee's salary | 36 | 38 | 40 | 36 | 38 | 40 | 36 | 36 | 38 |
| Rentals | 809 | 884 | 813 | 659 | 736 | 597 | 730 | 798 | 687 |
| Transport cost of inputs | 3 | 3 | 3 | | | | 1 | 1 | 1 |
| Interest payment on crop loan | 235 | 258 | 284 | 461 | 507 | 558 | 355 | 390 | 429 |
| Irrigation fee | 151 | 167 | 146 | 113 | 128 | 95 | 130 | 146 | 118 |
| Sacks and tying materials | | | | 75 | 80 | 81 | 41 | 43 | 44 |
| IMPUTED COSTS | 10,438 | 11,279 | 11,532 | 11,514 | 12,602 | 12,173 | 11,000 | 11,635 | 11,527 |
| Seeds | 159 | 176 | 154 | 169 | 192 | 142 | 164 | 184 | 148 |
| Fertilizer | 49 | 51 | 57 | 47 | 52 | 54 | 47 | 51 | 55 |
| Pesticides | 9 | 9 | 9 | 2 | 2 | 2 | 6 | 6 | 6 |
| Operator labor | 2,981 | 3,150 | 3,307 | 3,161 | 3,347 | 3,530 | 3,075 | 3,099 | 3,245 |
| Family labor | 2,778 | 2,937 | 3,083 | 2,504 | 2,652 | 2,797 | 2,630 | 2,650 | 2,775 |
| Exchange labor | 183 | 194 | 203 | 214 | 226 | 238 | 200 | 201 | 211 |
| Depreciation | 900 | 990 | 1,089 | 1,015 | 1,117 | 1,228 | 961 | 1,057 | 1,162 |
| Interest on operating capital | 847 | 975 | 1,176 | 873 | 1,014 | 1,197 | 862 | 968 | 1,154 |
| Rental value of owned land | 2,495 | 2,758 | 2,415 | 3,478 | 3,947 | 2,929 | 3,011 | 3,373 | 2,723 |
| Fuel & Oil | 3 | 3 | 3 | 1 | 1 | 1 | 2 | 2 | 2 |
| Transport cost of inputs | 4 | 4 | 4 | 9 | 10 | 10 | 7 | 8 | 8 |
| Sacks and tying materials | 30 | 31 | 32 | 40 | 42 | 43 | 34 | 36 | 37 |
| Others ^{a/} | | | | b/ | b/ | b/ | b/ | b/ | b/ |
| TOTAL COSTS | 42,987 | 46,153 | 45,842 | 45,349 | 49,317 | 46,463 | 44,251 | 46,913 | 45,302 |
| GROSS RETURNS | 73,988 | 81,918 | 70,001 | 72,254 | 80,556 | 63,009 | 72,950 | 81,024 | 66,626 |
| RETURNS ABOVE CASH COSTS | 53,697 | 60,512 | 47,754 | 51,789 | 58,727 | 40,841 | 52,538 | 59,859 | 44,911 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 41,439 | 47,043 | 35,692 | 38,419 | 43,841 | 28,719 | 39,698 | 45,747 | 32,852 |
| NET RETURNS | 31,001 | 35,765 | 24,159 | 26,905 | 31,239 | 16,546 | 28,699 | 34,111 | 21,324 |
| NET PROFIT - COST RATIO | 0.72 | 0.77 | 0.53 | 0.59 | 0.63 | 0.36 | 0.65 | 0.73 | 0.47 |
| <i>Cost per kilogram (PhP)</i> | 10.51 | 11.27 | 11.47 | 11.50 | 12.73 | 11.38 | 11.05 | 11.81 | 11.20 |
| <i>Yield per hectare (kg)</i> | 4,089 | 4,095 | 3,998 | 3,942 | 3,873 | 4,083 | 4,006 | 3,972 | 4,045 |
| <i>Farmgate price (PhP/kg)</i> | 18.09 | 20.00 | 17.51 | 18.33 | 20.80 | 15.43 | 18.21 | 20.40 | 16.47 |

^{a/} all other cost items not elsewhere classified

^{b/} Less than PhP 1

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Table 1B. Irrigated Palay: Updated Average Costs of Production, by Season, Philippines, 2017 - 2019

| ITEM | DRY SEASON | | | WET SEASON | | | ANNUAL | | |
|--|-----------------------------|--------|--------|------------|--------|--------|--------|--------|--------|
| | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| | <i>(in PhP per hectare)</i> | | | | | | | | |
| CASH COSTS | 23,928 | 25,306 | 26,210 | 23,658 | 25,312 | 25,600 | 23,817 | 24,741 | 25,274 |
| Seeds | 1,621 | 1,792 | 1,569 | 1,535 | 1,742 | 1,293 | 1,577 | 1,767 | 1,427 |
| Fertilizer | 4,865 | 5,118 | 5,635 | 4,770 | 5,278 | 5,487 | 4,848 | 5,199 | 5,563 |
| Pesticides | 1,350 | 1,390 | 1,379 | 1,475 | 1,406 | 1,447 | 1,412 | 1,352 | 1,403 |
| Hired labor | 9,495 | 10,035 | 10,535 | 10,010 | 10,600 | 11,180 | 9,750 | 9,826 | 10,289 |
| Caretaker/overseer's wages | 213 | 226 | 237 | 172 | 182 | 192 | 192 | 194 | 203 |
| Other permanent employee's salary | 51 | 54 | 57 | 61 | 64 | 68 | 56 | 56 | 59 |
| Land tax | 206 | 208 | 210 | 191 | 193 | 194 | 199 | 201 | 203 |
| Rentals | 601 | 644 | 641 | 412 | 444 | 432 | 506 | 525 | 512 |
| Fuel & Oil | 939 | 988 | 1,027 | 874 | 950 | 927 | 908 | 971 | 978 |
| Transport cost of inputs | 181 | 191 | 196 | 173 | 186 | 185 | 177 | 189 | 191 |
| Interest payment on crop loan | 693 | 763 | 839 | 478 | 526 | 578 | 586 | 644 | 709 |
| Irrigation fee | 850 | 940 | 823 | 597 | 677 | 502 | 719 | 805 | 650 |
| Sacks and tying materials | 453 | 472 | 488 | 472 | 501 | 509 | 463 | 487 | 499 |
| Electricity cost | 11 | 11 | 12 | 50 | 54 | 53 | 30 | 33 | 33 |
| Food expense | 961 | 1,012 | 1,047 | 1,016 | 1,097 | 1,098 | 989 | 1,054 | 1,073 |
| Repairs | 1,431 | 1,454 | 1,506 | 1,367 | 1,408 | 1,448 | 1,398 | 1,431 | 1,476 |
| Others ^{a/} | 6 | 7 | 7 | 5 | 6 | 6 | 6 | 7 | 7 |
| NON-CASH COSTS | 14,772 | 16,254 | 14,535 | 15,216 | 16,859 | 13,751 | 14,989 | 16,450 | 14,032 |
| Seeds | 541 | 598 | 523 | 563 | 639 | 474 | 553 | 619 | 500 |
| Fertilizer | 39 | 41 | 45 | 23 | 25 | 26 | 31 | 33 | 35 |
| Pesticides | 9 | 9 | 9 | 3 | 3 | 3 | 6 | 6 | 6 |
| Hired labor in kind | 847 | 895 | 939 | 926 | 980 | 1,034 | 887 | 893 | 936 |
| Caretaker/overseers wages | 1,165 | 1,231 | 1,293 | 938 | 994 | 1,048 | 1,051 | 1,059 | 1,109 |
| Other permanent employee's salary | 51 | 54 | 57 | 58 | 62 | 65 | 55 | 55 | 58 |
| Harvesters' share | 3,408 | 3,786 | 3,224 | 3,484 | 3,843 | 3,017 | 3,443 | 3,812 | 3,127 |
| Threshers' share | 3,146 | 3,495 | 2,976 | 3,705 | 4,087 | 3,208 | 3,425 | 3,792 | 3,110 |
| Landowner's share | 4,026 | 4,451 | 3,896 | 4,114 | 4,667 | 3,464 | 4,073 | 4,563 | 3,685 |
| Rentals | 1,015 | 1,115 | 1,003 | 590 | 662 | 522 | 796 | 878 | 738 |
| Transport cost of inputs | 4 | 4 | 4 | | | | 2 | 2 | 2 |
| Interest payment on crop loan | 252 | 277 | 304 | 490 | 539 | 593 | 371 | 408 | 449 |
| Irrigation fee | 270 | 298 | 261 | 209 | 238 | 176 | 238 | 267 | 215 |
| Sacks and tying materials | | | | 113 | 120 | 122 | 57 | 60 | 62 |
| IMPUTED COSTS | 11,265 | 12,220 | 12,356 | 12,328 | 13,566 | 12,815 | 11,820 | 12,600 | 12,277 |
| Seeds | 218 | 241 | 211 | 181 | 206 | 153 | 200 | 224 | 181 |
| Fertilizer | 55 | 58 | 63 | 53 | 58 | 60 | 54 | 57 | 61 |
| Pesticides | 14 | 14 | 14 | 4 | 4 | 4 | 9 | 9 | 9 |
| Operator labor | 2,945 | 3,113 | 3,268 | 3,119 | 3,303 | 3,483 | 3,030 | 3,053 | 3,197 |
| Family labor | 2,390 | 2,526 | 2,652 | 2,109 | 2,234 | 2,356 | 2,250 | 2,267 | 2,374 |
| Exchange labor | 209 | 221 | 232 | 214 | 226 | 238 | 213 | 214 | 224 |
| Depreciation | 965 | 1,061 | 1,168 | 1,000 | 1,100 | 1,209 | 982 | 1,081 | 1,189 |
| Interest on operating capital | 991 | 1,143 | 1,376 | 1,015 | 1,183 | 1,394 | 1,004 | 1,129 | 1,343 |
| Rental value of owned land | 3,432 | 3,794 | 3,321 | 4,572 | 5,187 | 3,850 | 4,023 | 4,507 | 3,639 |
| Fuel & Oil | 5 | 5 | 5 | 1 | 1 | 1 | 3 | 3 | 3 |
| Transport cost of inputs | 6 | 6 | 7 | 13 | 14 | 13 | 9 | 10 | 10 |
| Sacks and tying materials | 37 | 39 | 40 | 49 | 51 | 52 | 43 | 46 | 47 |
| TOTAL COSTS | 49,965 | 53,780 | 53,101 | 51,202 | 55,737 | 52,165 | 50,625 | 53,790 | 51,582 |
| GROSS RETURNS | 81,756 | 90,816 | 77,334 | 79,339 | 87,521 | 68,702 | 80,450 | 89,070 | 73,051 |
| RETURNS ABOVE CASH COSTS | 57,828 | 65,510 | 51,124 | 55,681 | 62,209 | 43,102 | 56,633 | 64,329 | 47,777 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 43,057 | 49,256 | 36,589 | 40,465 | 45,350 | 29,351 | 41,645 | 47,880 | 33,745 |
| NET RETURNS | 31,791 | 37,036 | 24,233 | 28,137 | 31,784 | 16,537 | 29,825 | 35,280 | 21,469 |
| NET PROFIT - COST RATIO | 0.64 | 0.69 | 0.46 | 0.55 | 0.57 | 0.32 | 0.59 | 0.66 | 0.42 |
| <i>Cost per kilogram (PhP)</i> | 11.06 | 11.85 | 12.02 | 11.83 | 13.24 | 11.72 | 11.46 | 12.32 | 11.63 |
| <i>Yield per hectare (kg)</i> | 4,519 | 4,540 | 4,417 | 4,328 | 4,208 | 4,452 | 4,418 | 4,366 | 4,435 |
| <i>Farmgate price (PhP/kg)</i> | 18.09 | 20.00 | 17.51 | 18.33 | 20.80 | 15.43 | 18.21 | 20.40 | 16.47 |

^{a/} all other cost items not elsewhere classified

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Table 1C. Non-Irrigated Palay: Updated Average Costs of Production, by Season, Philippines, 2017 - 2019

| ITEM | DRY SEASON | | | WET SEASON | | | ANNUAL | | |
|--|-----------------------------|--------|--------|------------|--------|--------|--------|--------|--------|
| | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| | <i>(in PhP per hectare)</i> | | | | | | | | |
| CASH COSTS | 14,902 | 15,692 | 16,297 | 17,229 | 18,358 | 18,633 | 16,280 | 16,782 | 17,217 |
| Seeds | 984 | 1,088 | 952 | 1,252 | 1,420 | 1,054 | 1,140 | 1,277 | 1,031 |
| Fertilizer | 2,201 | 2,287 | 2,515 | 3,083 | 3,379 | 3,515 | 2,745 | 2,902 | 3,102 |
| Pesticides | 905 | 931 | 924 | 1,100 | 1,048 | 1,080 | 1,011 | 968 | 1,005 |
| Hired labor | 7,250 | 7,662 | 8,044 | 7,503 | 7,945 | 8,380 | 7,391 | 7,448 | 7,799 |
| Caretaker/overseer's wages | 23 | 24 | 25 | 19 | 20 | 21 | 20 | 20 | 21 |
| Other permanent employee's salary | 69 | 73 | 76 | 30 | 31 | 33 | 46 | 46 | 49 |
| Land tax | 145 | 146 | 148 | 209 | 211 | 213 | 182 | 184 | 186 |
| Rentals | 547 | 580 | 600 | 420 | 454 | 438 | 473 | 486 | 486 |
| Fuel & Oil | 383 | 403 | 418 | 615 | 668 | 652 | 519 | 555 | 560 |
| Transport cost of inputs | 119 | 126 | 129 | 189 | 203 | 202 | 159 | 169 | 171 |
| Interest payment on crop loan | 114 | 126 | 138 | 258 | 283 | 312 | 199 | 219 | 241 |
| Sacks and tying materials | 274 | 286 | 296 | 396 | 421 | 427 | 346 | 363 | 372 |
| Electricity cost | 55 | 58 | 60 | 13 | 14 | 14 | 30 | 32 | 33 |
| Food expense | 1,018 | 1,073 | 1,110 | 1,060 | 1,145 | 1,146 | 1,045 | 1,114 | 1,134 |
| Repairs | 814 | 828 | 857 | 1,071 | 1,103 | 1,134 | 965 | 988 | 1,019 |
| Others ^{a/} | 2 | 2 | 2 | 12 | 13 | 13 | 9 | 9 | 9 |
| NON-CASH COSTS | 12,108 | 13,321 | 11,693 | 14,643 | 16,545 | 13,086 | 13,634 | 15,136 | 12,672 |
| Seeds | 939 | 1,038 | 909 | 932 | 1,057 | 785 | 931 | 1,043 | 842 |
| Fertilizer | 18 | 19 | 20 | 17 | 19 | 19 | 17 | 18 | 19 |
| Hired labor in kind | 466 | 492 | 517 | 581 | 616 | 649 | 535 | 539 | 564 |
| Harvesters' share | 3,596 | 3,972 | 3,342 | 4,201 | 4,792 | 3,652 | 3,972 | 4,456 | 3,613 |
| Threshers' share | 2,735 | 3,021 | 2,542 | 3,798 | 4,331 | 3,301 | 3,389 | 3,802 | 3,083 |
| Landowner's share | 2,976 | 3,290 | 2,880 | 3,176 | 3,603 | 2,674 | 3,082 | 3,452 | 2,788 |
| Caretaker/overseers wages | 307 | 324 | 340 | 464 | 492 | 518 | 400 | 403 | 422 |
| Other permanent employee's salary | 4 | 4 | 4 | b/ | b/ | b/ | 2 | 3 | 3 |
| Rentals | 852 | 924 | 878 | 1,002 | 1,117 | 918 | 941 | 1,019 | 898 |
| Interest payment on crop loan | 215 | 237 | 260 | 455 | 501 | 551 | 356 | 391 | 430 |
| Sacks and Tying materials | | | | 16 | 17 | 18 | 10 | 10 | 11 |
| IMPUTED COSTS | 10,919 | 11,761 | 12,012 | 11,888 | 12,968 | 12,638 | 11,479 | 12,081 | 12,003 |
| Seeds | 156 | 172 | 151 | 221 | 251 | 186 | 193 | 216 | 175 |
| Fertilizer | 50 | 52 | 57 | 45 | 50 | 51 | 48 | 51 | 54 |
| Pesticides | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Operator labor | 3,058 | 3,232 | 3,393 | 3,232 | 3,423 | 3,610 | 3,156 | 3,180 | 3,330 |
| Family labor | 3,630 | 3,836 | 4,027 | 3,119 | 3,303 | 3,483 | 3,330 | 3,355 | 3,514 |
| Exchange labor | 132 | 139 | 146 | 214 | 226 | 238 | 181 | 182 | 190 |
| Depreciation | 832 | 915 | 1,006 | 1,145 | 1,259 | 1,385 | 1,015 | 1,116 | 1,228 |
| Interest on operating capital | 644 | 741 | 889 | 731 | 850 | 998 | 695 | 777 | 922 |
| Rental value of owned land | 2,405 | 2,659 | 2,328 | 3,151 | 3,575 | 2,653 | 2,839 | 3,181 | 2,568 |
| Transport cost of inputs | 1 | 1 | 1 | 3 | 3 | 3 | 2 | 2 | 2 |
| Sacks and Tying materials | 12 | 13 | 13 | 26 | 27 | 27 | 20 | 20 | 20 |
| Others ^{a/} | | | | 1 | 1 | 1 | b/ | b/ | b/ |
| TOTAL COSTS | 37,929 | 40,774 | 40,002 | 43,760 | 47,871 | 44,357 | 41,393 | 44,000 | 41,893 |
| GROSS RETURNS | 51,850 | 57,266 | 48,191 | 59,551 | 67,923 | 51,771 | 56,657 | 63,562 | 51,536 |
| RETURNS ABOVE CASH COSTS | 36,948 | 41,574 | 31,894 | 42,322 | 49,565 | 33,138 | 40,377 | 46,780 | 34,319 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 24,840 | 28,253 | 20,201 | 27,679 | 33,020 | 20,052 | 26,743 | 31,643 | 21,646 |
| NET RETURNS | 13,921 | 16,492 | 8,189 | 15,791 | 20,052 | 7,414 | 15,264 | 19,562 | 9,643 |
| NET PROFIT - COST RATIO | 0.37 | 0.40 | 0.20 | 0.36 | 0.42 | 0.17 | 0.37 | 0.44 | 0.23 |
| <i>Cost per kilogram (PhP)</i> | 13.24 | 14.24 | 14.53 | 13.47 | 14.66 | 13.22 | 13.30 | 14.12 | 13.39 |
| <i>Yield per hectare (kg)</i> | 2,866 | 2,863 | 2,752 | 3,249 | 3,266 | 3,354 | 3,111 | 3,116 | 3,129 |
| <i>Farmgate price (PhP/kg)</i> | 18.09 | 20.00 | 17.51 | 18.33 | 20.80 | 15.43 | 18.21 | 20.40 | 16.47 |

^{a/} all other cost items not elsewhere classified

^{b/} Less than PhP 1

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Table 2A. All Palay: Updated Average Costs of Production, by Season, CAR, 2017 - 2019

| ITEM | DRY SEASON | | | WET SEASON | | | ANNUAL | | |
|--|-----------------------------|--------|--------|------------|--------|--------|--------|--------|--------|
| | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| | <i>(in PhP per hectare)</i> | | | | | | | | |
| CASH COSTS | 22,699 | 23,560 | 24,579 | 21,611 | 23,063 | 23,284 | 22,155 | 22,789 | 23,254 |
| Seeds | 2,244 | 2,434 | 2,149 | 1,492 | 1,738 | 1,288 | 1,845 | 2,076 | 1,681 |
| Fertilizer | 5,124 | 5,186 | 5,988 | 4,938 | 5,339 | 5,725 | 5,032 | 5,216 | 5,799 |
| Pesticides | 748 | 605 | 693 | 921 | 862 | 978 | 907 | 732 | 841 |
| Hired labor | 6,288 | 6,680 | 7,003 | 7,349 | 7,865 | 7,959 | 6,817 | 6,882 | 7,027 |
| Land tax | 128 | 129 | 130 | 333 | 336 | 339 | 232 | 234 | 236 |
| Caretaker/overseer's wages | 67 | 71 | 75 | 2 | 2 | 2 | 35 | 36 | 37 |
| Rentals | 1,363 | 1,459 | 1,439 | 873 | 946 | 919 | 1,104 | 1,149 | 1,103 |
| Fuel & Oil | 1,413 | 1,431 | 1,468 | 1,345 | 1,393 | 1,397 | 1,379 | 1,411 | 1,432 |
| Transport cost of inputs | 183 | 191 | 195 | 317 | 337 | 336 | 250 | 263 | 266 |
| Interest payment on crop loan | 639 | 703 | 773 | 317 | 349 | 384 | 477 | 524 | 577 |
| Irrigation fee | 1,049 | 1,138 | 1,004 | 32 | 38 | 28 | 504 | 567 | 459 |
| Sacks and tying materials | 327 | 337 | 345 | 1,027 | 1,072 | 1,092 | 681 | 707 | 722 |
| Food expense | 1,633 | 1,697 | 1,721 | 1,435 | 1,508 | 1,506 | 1,532 | 1,600 | 1,611 |
| Repairs | 1,482 | 1,487 | 1,582 | 1,229 | 1,279 | 1,330 | 1,354 | 1,384 | 1,456 |
| Others ^{a/} | 12 | 13 | 13 | | | | 6 | 6 | 7 |
| NON-CASH COSTS | 15,344 | 16,287 | 14,066 | 11,129 | 11,829 | 10,272 | 12,853 | 13,533 | 11,821 |
| Seeds | 532 | 578 | 510 | 558 | 650 | 481 | 548 | 616 | 499 |
| Fertilizer | 56 | 57 | 66 | 16 | 17 | 18 | 36 | 37 | 41 |
| Hired labor in kind | 560 | 595 | 623 | 409 | 438 | 443 | 484 | 489 | 499 |
| Harvesters' share | 4,761 | 5,008 | 4,078 | 2,743 | 2,718 | 2,499 | 3,552 | 3,643 | 3,173 |
| Threshers' share | 4,667 | 4,909 | 3,997 | 2,790 | 2,764 | 2,542 | 3,542 | 3,633 | 3,165 |
| Landowner's share | 1,318 | 1,430 | 1,262 | 2,502 | 2,915 | 2,160 | 1,959 | 2,204 | 1,785 |
| Caretaker/overseers wages | 1,427 | 1,516 | 1,589 | 1,388 | 1,485 | 1,503 | 1,406 | 1,419 | 1,449 |
| Rentals | 2,009 | 2,179 | 1,927 | 689 | 803 | 595 | 1,302 | 1,464 | 1,187 |
| Irrigation fee | 15 | 16 | 14 | 31 | 36 | 27 | 23 | 26 | 21 |
| Sacks and tying materials | | | | 3 | 3 | 3 | 2 | 2 | 2 |
| IMPUTED COSTS | 10,661 | 11,399 | 11,846 | 14,144 | 15,452 | 15,008 | 12,473 | 13,034 | 13,023 |
| Seeds | 93 | 101 | 89 | 83 | 97 | 72 | 88 | 99 | 81 |
| Pesticides | | | | 3 | 2 | 3 | 2 | 1 | 1 |
| Operator labor | 3,146 | 3,342 | 3,503 | 4,237 | 4,535 | 4,589 | 3,691 | 3,727 | 3,805 |
| Family labor | 3,370 | 3,580 | 3,753 | 3,379 | 3,617 | 3,660 | 3,374 | 3,406 | 3,478 |
| Exchange labor | 558 | 592 | 621 | 650 | 696 | 704 | 604 | 610 | 623 |
| Depreciation | 1,442 | 1,587 | 1,745 | 2,046 | 2,251 | 2,476 | 1,746 | 1,921 | 2,113 |
| Interest on operating capital | 856 | 908 | 973 | 865 | 918 | 983 | 859 | 912 | 977 |
| Rental value of owned land | 1,037 | 1,125 | 993 | 2,701 | 3,147 | 2,332 | 1,938 | 2,180 | 1,765 |
| Fuel & Oil | 7 | 7 | 7 | 10 | 10 | 10 | 8 | 9 | 9 |
| Transport cost of inputs | 33 | 34 | 35 | 144 | 153 | 153 | 90 | 95 | 95 |
| Sacks and tying materials | 119 | 123 | 126 | 26 | 27 | 28 | 71 | 74 | 76 |
| TOTAL COSTS | 48,704 | 51,246 | 50,491 | 46,883 | 50,344 | 48,564 | 47,481 | 49,356 | 48,098 |
| GROSS RETURNS | 85,230 | 89,652 | 73,002 | 60,803 | 60,241 | 55,395 | 70,512 | 72,328 | 63,002 |
| RETURNS ABOVE CASH COSTS | 62,531 | 66,092 | 48,423 | 39,192 | 37,177 | 32,111 | 48,357 | 49,540 | 39,748 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 47,187 | 49,806 | 34,357 | 28,063 | 25,348 | 21,839 | 35,504 | 36,006 | 27,927 |
| NET RETURNS | 36,526 | 38,406 | 22,511 | 13,920 | 9,896 | 6,830 | 23,031 | 22,972 | 14,904 |
| NET PROFIT - COST RATIO | 0.75 | 0.75 | 0.45 | 0.30 | 0.20 | 0.14 | 0.49 | 0.47 | 0.31 |
| <i>Cost per kilogram (PhP)</i> | 10.55 | 11.45 | 12.22 | 14.01 | 17.69 | 13.75 | 12.33 | 14.06 | 12.74 |
| <i>Yield per hectare (kg)</i> | 4,617 | 4,477 | 4,130 | 3,346 | 2,845 | 3,531 | 3,851 | 3,511 | 3,777 |
| <i>Farmgate price (PhP/kg)</i> | 18.46 | 20.03 | 17.68 | 18.17 | 21.17 | 15.69 | 18.31 | 20.60 | 16.68 |

^{a/} all other cost items not elsewhere classified

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Table 2B. Irrigated Palay: Updated Average Costs of Production, by Season, CAR, 2017 - 2019

| ITEM | DRY SEASON | | | WET SEASON | | | ANNUAL | | |
|--|-----------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| | <i>(in PhP per hectare)</i> | | | | | | | | |
| CASH COSTS | 22,906 | 23,762 | 24,792 | 18,896 | 20,118 | 20,020 | 18,856 | 19,389 | 19,391 |
| Seeds | 2,245 | 2,436 | 2,150 | 1,623 | 1,891 | 1,401 | 1,928 | 2,169 | 1,756 |
| Fertilizer | 5,222 | 5,269 | 6,086 | 1,346 | 1,450 | 1,554 | 1,238 | 1,291 | 1,435 |
| Pesticides | 740 | 598 | 686 | 935 | 875 | 993 | 900 | 727 | 836 |
| Hired labor | 6,326 | 6,720 | 7,045 | 7,608 | 8,142 | 8,240 | 6,934 | 7,001 | 7,148 |
| Land tax | 132 | 133 | 134 | 329 | 333 | 336 | 226 | 229 | 231 |
| Caretaker/overseer's wages | 69 | 74 | 77 | 2 | 2 | 2 | 38 | 38 | 39 |
| Rentals | 1,367 | 1,464 | 1,442 | 939 | 1,018 | 987 | 1,151 | 1,200 | 1,148 |
| Fuel & Oil | 1,435 | 1,453 | 1,490 | 1,489 | 1,542 | 1,547 | 1,462 | 1,497 | 1,519 |
| Transport cost of inputs | 180 | 188 | 192 | 325 | 345 | 344 | 249 | 262 | 264 |
| Interest payment on crop loan | 657 | 723 | 795 | 345 | 379 | 417 | 508 | 559 | 615 |
| Irrigation fee | 1,081 | 1,172 | 1,035 | 36 | 42 | 31 | 545 | 613 | 496 |
| Sacks and tying materials | 326 | 336 | 344 | 1,138 | 1,188 | 1,210 | 715 | 742 | 758 |
| Food expense | 1,656 | 1,721 | 1,746 | 1,558 | 1,637 | 1,634 | 1,608 | 1,680 | 1,691 |
| Repairs | 1,460 | 1,464 | 1,558 | 1,224 | 1,273 | 1,325 | 1,347 | 1,377 | 1,449 |
| Others ^{a/} | 12 | 13 | 13 | | | | 6 | 6 | 7 |
| NON-CASH COSTS | 15,517 | 16,473 | 14,317 | 12,132 | 12,769 | 10,951 | 13,732 | 14,445 | 12,418 |
| Seeds | 539 | 584 | 516 | 436 | 509 | 377 | 488 | 549 | 444 |
| Fertilizer | 58 | 58 | 67 | 18 | 20 | 21 | 39 | 40 | 45 |
| Hired labor in kind | 575 | 610 | 640 | 436 | 466 | 472 | 509 | 514 | 524 |
| Harvesters' share | 4,814 | 5,066 | 4,168 | 3,280 | 3,238 | 2,848 | 3,995 | 4,109 | 3,466 |
| Threshers' share | 4,688 | 4,933 | 4,059 | 3,315 | 3,273 | 2,878 | 3,956 | 4,070 | 3,433 |
| Landowner's share | 1,356 | 1,471 | 1,298 | 2,258 | 2,630 | 1,949 | 1,822 | 2,050 | 1,660 |
| Caretaker/overseers wages | 1,472 | 1,564 | 1,639 | 1,567 | 1,677 | 1,697 | 1,518 | 1,532 | 1,564 |
| Rentals | 2,000 | 2,170 | 1,915 | 782 | 911 | 675 | 1,378 | 1,550 | 1,255 |
| Irrigation fee | 15 | 16 | 14 | 35 | 41 | 30 | 26 | 30 | 24 |
| Sacks and tying materials | | | | 4 | 4 | 4 | 2 | 2 | 2 |
| IMPUTED COSTS | 10,705 | 11,448 | 11,893 | 13,797 | 15,093 | 14,613 | 12,109 | 12,659 | 12,627 |
| Seeds | 95 | 103 | 91 | 72 | 84 | 62 | 84 | 95 | 77 |
| Pesticides | | | | 4 | 3 | 4 | 1 | 1 | 1 |
| Operator labor | 3,148 | 3,344 | 3,506 | 4,191 | 4,485 | 4,539 | 3,643 | 3,678 | 3,755 |
| Family labor | 3,369 | 3,579 | 3,752 | 3,241 | 3,468 | 3,510 | 3,309 | 3,340 | 3,410 |
| Exchange labor | 558 | 592 | 621 | 523 | 560 | 566 | 541 | 546 | 558 |
| Depreciation | 1,451 | 1,596 | 1,755 | 2,116 | 2,328 | 2,561 | 1,769 | 1,946 | 2,141 |
| Interest on operating capital | 864 | 917 | 982 | 670 | 711 | 761 | 635 | 674 | 721 |
| Rental value of owned land | 1,059 | 1,149 | 1,014 | 2,796 | 3,257 | 2,414 | 1,954 | 2,198 | 1,780 |
| Fuel & Oil | 7 | 7 | 7 | 11 | 11 | 11 | 9 | 10 | 10 |
| Transport cost of inputs | 33 | 34 | 35 | 165 | 175 | 175 | 96 | 101 | 102 |
| Sacks and tying materials | 122 | 126 | 129 | 10 | 11 | 11 | 68 | 71 | 72 |
| TOTAL COSTS | 49,129 | 51,684 | 51,002 | 44,825 | 47,980 | 45,584 | 44,697 | 46,494 | 44,437 |
| GROSS RETURNS | 85,532 | 90,001 | 74,048 | 69,820 | 68,928 | 60,612 | 77,358 | 79,573 | 67,119 |
| RETURNS ABOVE CASH COSTS | 62,626 | 66,239 | 49,255 | 50,925 | 48,810 | 40,592 | 58,503 | 60,183 | 47,728 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 47,109 | 49,766 | 34,938 | 38,793 | 36,041 | 29,641 | 44,770 | 45,738 | 35,310 |
| NET RETURNS | 36,404 | 38,318 | 23,045 | 24,996 | 20,948 | 15,028 | 32,661 | 33,079 | 22,682 |
| NET PROFIT - COST RATIO | 0.74 | 0.74 | 0.45 | 0.56 | 0.44 | 0.33 | 0.73 | 0.71 | 0.51 |
| <i>Cost per kilogram (PhP)</i> | <i>10.60</i> | <i>11.50</i> | <i>12.17</i> | <i>11.67</i> | <i>14.74</i> | <i>11.80</i> | <i>10.58</i> | <i>12.04</i> | <i>11.04</i> |
| <i>Yield per hectare (kg)</i> | <i>4,634</i> | <i>4,494</i> | <i>4,189</i> | <i>3,842</i> | <i>3,256</i> | <i>3,864</i> | <i>4,225</i> | <i>3,863</i> | <i>4,024</i> |
| <i>Farmgate price (PhP/kg)</i> | <i>18.46</i> | <i>20.03</i> | <i>17.68</i> | <i>18.17</i> | <i>21.17</i> | <i>15.69</i> | <i>18.31</i> | <i>20.60</i> | <i>16.68</i> |

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Table 2C. Non-Irrigated Palay: Updated Average Costs of Production, by Season, CAR, 2017 - 2019

| ITEM | DRY SEASON | | | WET SEASON | | | ANNUAL | | |
|--|-----------------------------|--------|--------|------------|--------|--------|--------|--------|--------|
| | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| | <i>(in PhP per hectare)</i> | | | | | | | | |
| CASH COSTS | 15,846 | 16,289 | 16,872 | 12,549 | 13,340 | 13,639 | 13,649 | 13,844 | 14,299 |
| Seeds | 2,240 | 2,430 | 2,145 | 539 | 628 | 465 | 850 | 957 | 775 |
| Fertilizer | 1,947 | 1,920 | 2,163 | 2,113 | 2,321 | 2,526 | 2,089 | 2,197 | 2,472 |
| Pesticides | 970 | 783 | 898 | 848 | 794 | 901 | 976 | 789 | 906 |
| Hired labor | 5,115 | 5,434 | 5,697 | 5,442 | 5,824 | 5,893 | 5,745 | 5,800 | 5,922 |
| Land tax | 24 | 25 | 25 | 354 | 358 | 361 | 292 | 295 | 298 |
| Rentals | 1,158 | 1,230 | 1,290 | 415 | 444 | 449 | 557 | 562 | 574 |
| Fuel & Oil | 682 | 691 | 709 | 337 | 349 | 350 | 403 | 412 | 419 |
| Transport cost of inputs | 268 | 280 | 286 | 267 | 283 | 282 | 266 | 280 | 283 |
| Interest payment on crop loan | | | | 127 | 140 | 154 | 103 | 113 | 124 |
| Sacks and tying materials | 380 | 392 | 402 | 257 | 268 | 273 | 281 | 291 | 297 |
| Food expense | 883 | 918 | 931 | 590 | 620 | 619 | 645 | 674 | 678 |
| Repairs | 2,178 | 2,185 | 2,326 | 1,261 | 1,312 | 1,365 | 1,442 | 1,474 | 1,551 |
| NON-CASH COSTS | 11,890 | 12,373 | 7,765 | 8,377 | 9,327 | 7,676 | 8,753 | 9,321 | 8,347 |
| Seeds | 367 | 398 | 352 | 1,499 | 1,746 | 1,294 | 1,310 | 1,473 | 1,193 |
| Hired labor in kind | 69 | 74 | 77 | 221 | 236 | 239 | 190 | 192 | 196 |
| Harvesters' share | 2,897 | 2,932 | 1,164 | 943 | 915 | 982 | 1,156 | 1,092 | 1,192 |
| Threshers' share | 3,957 | 4,004 | 1,590 | 1,102 | 1,068 | 1,147 | 1,430 | 1,351 | 1,474 |
| Landowner's share | | | | 4,473 | 5,212 | 3,862 | 3,714 | 4,178 | 3,384 |
| Caretaker/overseers wages | | | | 140 | 150 | 152 | 112 | 113 | 115 |
| Rentals | 2,300 | 2,482 | 2,291 | | | | 421 | 460 | 397 |
| IMPUTED COSTS | 9,188 | 9,812 | 10,308 | 14,794 | 16,084 | 15,755 | 12,832 | 13,342 | 13,325 |
| Seeds | | | | 172 | 200 | 148 | 142 | 160 | 130 |
| Operator labor | 3,062 | 3,253 | 3,411 | 4,509 | 4,825 | 4,883 | 3,826 | 3,862 | 3,943 |
| Family labor | 3,404 | 3,616 | 3,791 | 4,294 | 4,595 | 4,650 | 3,730 | 3,766 | 3,845 |
| Exchange labor | 560 | 595 | 623 | 1,525 | 1,632 | 1,652 | 1,210 | 1,222 | 1,247 |
| Depreciation | 1,198 | 1,318 | 1,449 | 1,560 | 1,716 | 1,887 | 1,491 | 1,640 | 1,804 |
| Interest on operating capital | 601 | 637 | 683 | 534 | 567 | 607 | 545 | 579 | 620 |
| Rental value of owned land | 338 | 366 | 323 | 2,065 | 2,406 | 1,783 | 1,775 | 1,997 | 1,617 |
| Transport cost of inputs | 24 | 25 | 25 | 9 | 10 | 10 | 11 | 12 | 12 |
| Sacks and tying materials | 2 | 2 | 2 | 126 | 132 | 134 | 101 | 105 | 108 |
| TOTAL COSTS | 36,924 | 38,474 | 34,945 | 35,720 | 38,751 | 37,070 | 35,234 | 36,508 | 35,971 |
| GROSS RETURNS | 75,057 | 75,960 | 30,155 | 41,299 | 40,059 | 43,011 | 43,480 | 41,086 | 44,821 |
| RETURNS ABOVE CASH COSTS | 59,211 | 59,671 | 13,284 | 28,750 | 26,719 | 29,373 | 29,830 | 27,242 | 30,521 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 47,321 | 47,298 | 5,518 | 20,373 | 17,392 | 21,697 | 21,078 | 17,920 | 22,175 |
| NET RETURNS | 38,133 | 37,486 | -4,790 | 5,579 | 1,308 | 5,942 | 8,246 | 4,578 | 8,849 |
| NET PROFIT - COST RATIO | 1.03 | 0.97 | -0.14 | 0.16 | 0.03 | 0.16 | 0.23 | 0.13 | 0.25 |
| <i>Cost per kilogram (PhP)</i> | 9.08 | 10.14 | 20.48 | 15.72 | 20.48 | 13.52 | 14.84 | 18.30 | 13.39 |
| <i>Yield per hectare (kg)</i> | 4,066 | 3,793 | 1,706 | 2,273 | 1,892 | 2,742 | 2,375 | 1,995 | 2,687 |
| <i>Farmgate price (PhP/kg)</i> | 18.46 | 20.03 | 17.68 | 18.17 | 21.17 | 15.69 | 18.31 | 20.60 | 16.68 |

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Table 3A. All Palay: Updated Average Costs of Production, by Season, Ilocos Region, 2017 - 2019

| ITEM | DRY SEASON | | | WET SEASON | | | ANNUAL | | |
|--|-----------------------------|---------|--------|------------|--------|--------|--------|--------|--------|
| | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| | <i>(in PhP per hectare)</i> | | | | | | | | |
| CASH COSTS | 29,102 | 30,420 | 30,972 | 26,022 | 28,203 | 28,224 | 27,552 | 29,471 | 30,054 |
| Seeds | 1,928 | 2,151 | 1,887 | 1,625 | 1,881 | 1,356 | 1,689 | 1,921 | 1,532 |
| Fertilizer | 7,113 | 7,275 | 7,942 | 4,954 | 5,604 | 5,599 | 5,440 | 5,858 | 6,115 |
| Pesticides | 1,022 | 1,015 | 1,001 | 851 | 950 | 877 | 895 | 945 | 904 |
| Hired labor | 8,455 | 8,871 | 8,893 | 12,205 | 12,916 | 13,575 | 12,174 | 12,954 | 13,652 |
| Land tax | 132 | 133 | 134 | 210 | 212 | 214 | 193 | 195 | 197 |
| Caretaker/overseer's wages | 8 | 9 | 9 | 2 | 2 | 2 | 5 | 5 | 5 |
| Rentals | 403 | 423 | 424 | 627 | 685 | 638 | 609 | 661 | 647 |
| Fuel & Oil | 1,763 | 1,935 | 1,994 | 840 | 901 | 925 | 1,045 | 1,133 | 1,166 |
| Transport cost of inputs | 193 | 205 | 206 | 270 | 290 | 287 | 253 | 270 | 269 |
| Interest payment on crop loan | 357 | 393 | 432 | 161 | 177 | 195 | 204 | 225 | 247 |
| Irrigation fee | 1,211 | 1,352 | 1,186 | 197 | 228 | 164 | 409 | 464 | 370 |
| Sacks and tying materials | 804 | 839 | 872 | 620 | 667 | 674 | 662 | 702 | 719 |
| Electricity cost | | | | 92 | 99 | 102 | 71 | 77 | 79 |
| Food expense | 1,500 | 1,558 | 1,657 | 1,757 | 1,954 | 1,953 | 1,707 | 1,835 | 1,890 |
| Repairs | 4,213 | 4,262 | 4,337 | 1,611 | 1,639 | 1,662 | 2,196 | 2,227 | 2,262 |
| NON-CASH COSTS | 22,303 | 25,057 | 21,933 | 20,071 | 21,999 | 17,138 | 20,587 | 22,559 | 18,942 |
| Seeds | 479 | 535 | 469 | 433 | 502 | 362 | 443 | 503 | 401 |
| Fertilizer | 20 | 20 | 22 | 23 | 26 | 26 | 23 | 24 | 25 |
| Pesticides | 7 | 7 | 6 | | | | 2 | 2 | 2 |
| Hired labor in kind | 85 | 89 | 89 | 361 | 382 | 401 | 317 | 337 | 355 |
| Harvesters' share | 4,263 | 4,834 | 4,185 | 5,101 | 5,328 | 4,254 | 4,935 | 5,228 | 4,476 |
| Threshers' share | 5,993 | 6,796 | 5,883 | 4,952 | 5,172 | 4,129 | 5,186 | 5,495 | 4,704 |
| Landowner's share | 10,435 | 11,644 | 10,214 | 7,986 | 9,243 | 6,664 | 8,507 | 9,671 | 7,715 |
| Caretaker/overseers wages | | | | 113 | 120 | 126 | 91 | 97 | 102 |
| Other permanent employee's salary | 2 | 2 | 2 | | | | 1 | 1 | 1 |
| Rentals | 508 | 564 | 500 | 230 | 262 | 204 | 292 | 329 | 274 |
| Transport cost of inputs | 2 | 2 | 2 | | | | | | |
| Interest payment on crop loan | 269 | 295 | 325 | 532 | 586 | 644 | 473 | 520 | 572 |
| Irrigation fee | 240 | 268 | 235 | 164 | 190 | 137 | 180 | 205 | 163 |
| Sacks and tying materials | | | | 175 | 188 | 190 | 138 | 146 | 150 |
| IMPUTED COSTS | 13,175 | 14,149 | 14,286 | 12,316 | 13,561 | 12,659 | 12,778 | 13,960 | 13,663 |
| Seeds | 114 | 128 | 112 | 70 | 80 | 58 | 79 | 90 | 72 |
| Fertilizer | 44 | 45 | 49 | 95 | 108 | 108 | 87 | 94 | 98 |
| Pesticides | 2 | 2 | 2 | 6 | 7 | 6 | 3 | 3 | 3 |
| Operator labor | 3,063 | 3,214 | 3,222 | 2,579 | 2,729 | 2,869 | 2,892 | 3,077 | 3,243 |
| Family labor | 3,111 | 3,264 | 3,272 | 1,949 | 2,062 | 2,167 | 2,177 | 2,317 | 2,442 |
| Exchange labor | 262 | 275 | 276 | 156 | 165 | 173 | 193 | 206 | 217 |
| Depreciation | 3,135 | 3,449 | 3,793 | 1,758 | 1,934 | 2,127 | 2,065 | 2,272 | 2,499 |
| Interest on operating capital | 1,127 | 1,196 | 1,280 | 1,133 | 1,203 | 1,288 | 1,174 | 1,246 | 1,334 |
| Rental value of owned land | 2,196 | 2,450 | 2,149 | 4,375 | 5,063 | 3,651 | 3,928 | 4,466 | 3,562 |
| Transport cost of inputs | 31 | 33 | 33 | 25 | 26 | 26 | 26 | 28 | 28 |
| Sacks and tying materials | 90 | 94 | 98 | 170 | 183 | 185 | 152 | 161 | 165 |
| TOTAL COSTS | 64,580 | 69,625 | 67,191 | 58,409 | 63,763 | 58,021 | 60,917 | 65,990 | 62,659 |
| GROSS RETURNS | 90,934 | 103,115 | 89,266 | 85,219 | 89,006 | 71,068 | 86,643 | 91,803 | 78,591 |
| RETURNS ABOVE CASH COSTS | 61,832 | 72,695 | 58,294 | 59,197 | 60,803 | 42,844 | 59,091 | 62,332 | 48,537 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 39,529 | 47,638 | 36,361 | 39,126 | 38,805 | 25,706 | 38,504 | 39,773 | 29,595 |
| NET RETURNS | 26,354 | 33,489 | 22,075 | 26,810 | 25,243 | 13,047 | 25,727 | 25,813 | 15,933 |
| NET PROFIT - COST RATIO | 0.41 | 0.48 | 0.33 | 0.46 | 0.40 | 0.22 | 0.42 | 0.39 | 0.25 |
| <i>Cost per kilogram (PhP)</i> | 13.54 | 14.37 | 14.05 | 13.06 | 15.80 | 12.99 | 13.40 | 15.58 | 13.78 |
| <i>Yield per hectare (kg)</i> | 4,769 | 4,847 | 4,783 | 4,471 | 4,034 | 4,468 | 4,546 | 4,237 | 4,547 |
| <i>Farmgate price (PhP/kg)</i> | 19.07 | 21.28 | 18.66 | 19.06 | 22.06 | 15.91 | 19.06 | 21.67 | 17.28 |

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Table 3B. Irrigated Palay: Updated Average Costs of Production, by Season, Ilocos Region, 2017 - 2019

| ITEM | DRY SEASON | | | WET SEASON | | | ANNUAL | | |
|--|-----------------------------|---------|--------|------------|--------|--------|--------|--------|--------|
| | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| | <i>(in PhP per hectare)</i> | | | | | | | | |
| CASH COSTS | 29,134 | 30,580 | 31,063 | 28,719 | 31,278 | 31,085 | 29,724 | 31,871 | 32,333 |
| Seeds | 1,928 | 2,151 | 1,887 | 1,703 | 1,971 | 1,421 | 1,775 | 2,018 | 1,609 |
| Fertilizer | 7,113 | 7,372 | 8,031 | 6,936 | 7,863 | 7,859 | 7,026 | 7,601 | 7,937 |
| Pesticides | 1,022 | 1,015 | 1,001 | 873 | 974 | 900 | 920 | 971 | 928 |
| Hired labor | 8,455 | 8,871 | 8,893 | 11,799 | 12,486 | 13,123 | 11,465 | 12,200 | 12,857 |
| Land tax | 132 | 133 | 134 | 117 | 118 | 120 | 122 | 124 | 125 |
| Caretaker/overseer's wages | 8 | 9 | 9 | 4 | 5 | 5 | 6 | 6 | 6 |
| Rentals | 435 | 485 | 426 | 586 | 678 | 489 | 572 | 650 | 518 |
| Fuel & Oil | 1,763 | 1,935 | 1,994 | 1,025 | 1,099 | 1,128 | 1,281 | 1,389 | 1,428 |
| Transport cost of inputs | 193 | 205 | 206 | 237 | 255 | 252 | 221 | 236 | 235 |
| Interest payment on crop loan | 357 | 393 | 432 | 280 | 307 | 338 | 306 | 337 | 370 |
| Irrigation fee | 1,211 | 1,352 | 1,186 | 357 | 414 | 298 | 632 | 719 | 574 |
| Sacks and tying materials | 804 | 839 | 872 | 784 | 843 | 853 | 791 | 838 | 858 |
| Electricity cost | | | | 170 | 182 | 187 | 110 | 119 | 123 |
| Food expense | 1,500 | 1,558 | 1,657 | 1,778 | 1,978 | 1,977 | 1,686 | 1,812 | 1,867 |
| Repairs | 4,213 | 4,262 | 4,337 | 2,070 | 2,105 | 2,136 | 2,810 | 2,851 | 2,896 |
| NON-CASH COSTS | 22,307 | 25,059 | 21,939 | 24,855 | 27,120 | 21,357 | 24,027 | 26,406 | 22,161 |
| Seeds | 479 | 535 | 469 | 519 | 601 | 433 | 507 | 576 | 459 |
| Fertilizer | 20 | 20 | 22 | 51 | 57 | 57 | 40 | 43 | 45 |
| Pesticides | 7 | 7 | 6 | | | | 2 | 2 | 2 |
| Hired labor in kind | 85 | 89 | 89 | 300 | 317 | 334 | 242 | 257 | 271 |
| Harvesters' share | 4,266 | 4,836 | 4,188 | 6,701 | 6,914 | 5,596 | 5,920 | 6,300 | 5,376 |
| Threshers' share | 5,995 | 6,797 | 5,886 | 5,311 | 5,480 | 4,435 | 5,531 | 5,887 | 5,023 |
| Landowner's share | 10,435 | 11,644 | 10,214 | 9,837 | 11,387 | 8,210 | 10,028 | 11,400 | 9,094 |
| Caretaker/overseers wages | | | | 206 | 219 | 230 | 141 | 150 | 158 |
| Other permanent employee's salary | 2 | 2 | 2 | | | | 1 | 1 | 1 |
| Rentals | 508 | 564 | 500 | 377 | 429 | 336 | 421 | 474 | 397 |
| Transport cost of inputs | 2 | 2 | 2 | | | | 1 | 1 | 1 |
| Interest payment on crop loan | 269 | 295 | 325 | 930 | 1,024 | 1,126 | 702 | 772 | 849 |
| Irrigation fee | 240 | 268 | 235 | 299 | 346 | 249 | 278 | 316 | 252 |
| Sacks and tying materials | | | | 323 | 347 | 351 | 213 | 226 | 231 |
| IMPUTED COSTS | 13,175 | 14,149 | 14,287 | 11,673 | 12,694 | 12,478 | 12,737 | 13,811 | 13,966 |
| Seeds | 114 | 128 | 112 | 64 | 74 | 53 | 81 | 92 | 74 |
| Fertilizer | 44 | 45 | 49 | 77 | 87 | 87 | 65 | 70 | 73 |
| Pesticides | 2 | 2 | 2 | 6 | 7 | 6 | 4 | 4 | 4 |
| Operator labor | 3,063 | 3,214 | 3,222 | 3,017 | 3,193 | 3,356 | 3,287 | 3,498 | 3,686 |
| Family labor | 3,111 | 3,264 | 3,272 | 2,557 | 2,705 | 2,844 | 2,971 | 3,161 | 3,332 |
| Exchange labor | 262 | 275 | 276 | 213 | 225 | 237 | 248 | 263 | 278 |
| Depreciation | 3,135 | 3,449 | 3,793 | 1,799 | 1,979 | 2,177 | 2,263 | 2,489 | 2,738 |
| Interest on operating capital | 1,127 | 1,196 | 1,280 | 1,219 | 1,294 | 1,386 | 1,233 | 1,309 | 1,402 |
| Rental value of owned land | 2,196 | 2,450 | 2,149 | 2,476 | 2,866 | 2,067 | 2,385 | 2,711 | 2,163 |
| Transport cost of inputs | 31 | 33 | 33 | 26 | 27 | 27 | 27 | 29 | 29 |
| Sacks and tying materials | 90 | 94 | 98 | 220 | 236 | 239 | 174 | 184 | 189 |
| TOTAL COSTS | 64,616 | 69,788 | 67,288 | 65,248 | 71,092 | 64,920 | 66,488 | 72,088 | 68,460 |
| GROSS RETURNS | 90,979 | 103,143 | 89,320 | 90,697 | 93,578 | 75,736 | 90,787 | 96,617 | 82,450 |
| RETURNS ABOVE CASH COSTS | 61,845 | 72,564 | 58,257 | 61,978 | 62,300 | 44,651 | 61,064 | 64,746 | 50,116 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 39,537 | 47,504 | 36,318 | 37,123 | 35,180 | 23,294 | 37,036 | 38,340 | 27,955 |
| NET RETURNS | 26,363 | 33,355 | 22,031 | 25,450 | 22,486 | 10,816 | 24,299 | 24,529 | 13,989 |
| NET PROFIT - COST RATIO | 0.41 | 0.48 | 0.33 | 0.39 | 0.32 | 0.17 | 0.37 | 0.34 | 0.20 |
| <i>Cost per kilogram (PhP)</i> | 13.54 | 14.39 | 14.06 | 13.71 | 16.76 | 13.64 | 13.96 | 16.17 | 14.35 |
| <i>Yield per hectare (kg)</i> | 4,772 | 4,848 | 4,786 | 4,759 | 4,242 | 4,761 | 4,763 | 4,459 | 4,770 |
| <i>Farmgate price (PhP/kg)</i> | 19.07 | 21.28 | 18.66 | 19.06 | 22.06 | 15.91 | 19.06 | 21.67 | 17.28 |

**UPDATED PRODUCTION COSTS AND RETURNS
OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN**

Table 3C. Non-Irrigated: Updated Average Costs of Production, by Season, Ilocos Region, 2017 - 2019

| ITEM | WET SEASON | | |
|--|-----------------------------|--------|--------|
| | 2017 | 2018 | 2019 |
| | <i>(in PhP per hectare)</i> | | |
| CASH COSTS | 25,040 | 27,096 | 27,133 |
| Seeds | 1,538 | 1,780 | 1,283 |
| Fertilizer | 4,380 | 4,932 | 4,925 |
| Pesticides | 774 | 864 | 798 |
| Hired labor | 13,190 | 13,958 | 14,670 |
| Land tax | 320 | 324 | 327 |
| Rentals | 664 | 750 | 605 |
| Fuel & Oil | 619 | 664 | 681 |
| Transport cost of inputs | 312 | 335 | 331 |
| Interest payment on crop loan | 21 | 23 | 25 |
| Sacks and tying materials | 426 | 457 | 463 |
| Food expense | 1,733 | 1,927 | 1,927 |
| Repairs | 1,064 | 1,083 | 1,098 |
| NON-CASH COSTS | 13,971 | 15,451 | 11,778 |
| Seeds | 329 | 381 | 275 |
| Hired labor in kind | 430 | 455 | 479 |
| Harvesters' share | 2,922 | 3,115 | 2,430 |
| Threshers' share | 4,435 | 4,727 | 3,687 |
| Landowner's share | 5,743 | 6,647 | 4,793 |
| Rentals | 53 | 62 | 44 |
| Interest payment on crop loan | 58 | 64 | 70 |
| IMPUTED COSTS | 15,851 | 17,539 | 15,929 |
| Seeds | 76 | 88 | 63 |
| Fertilizer | 145 | 163 | 163 |
| Pesticides | 3 | 3 | 3 |
| Operator labor | 2,057 | 2,177 | 2,288 |
| Family labor | 3,753 | 3,972 | 4,174 |
| Exchange labor | 91 | 96 | 101 |
| Depreciation | 1,711 | 1,882 | 2,070 |
| Interest on operating capital | 1,133 | 1,203 | 1,288 |
| Rental value of owned land | 6,743 | 7,805 | 5,628 |
| Transport cost of inputs | 25 | 26 | 26 |
| Sacks and tying materials | 113 | 122 | 123 |
| TOTAL COSTS | 54,863 | 60,085 | 54,840 |
| GROSS RETURNS | 77,269 | 82,355 | 64,240 |
| RETURNS ABOVE CASH COSTS | 52,228 | 55,259 | 37,106 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 38,257 | 39,809 | 25,329 |
| NET RETURNS | 22,406 | 22,270 | 9,399 |
| NET PROFIT - COST RATIO | 0.41 | 0.37 | 0.17 |
| <i>Cost per kilogram (PhP)</i> | 13.53 | 16.10 | 13.58 |
| <i>Yield per hectare (kg)</i> | 4,054 | 3,733 | 4,039 |
| <i>Farmgate price (PhP/kg)</i> | 19.06 | 22.06 | 15.91 |

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Table 4A. All Palay: Updated Average Costs of Production, by Season, Cagayan Valley, 2017 - 2019

| ITEM | DRY SEASON | | | WET SEASON | | | ANNUAL | | |
|--|-----------------------------|--------|--------|------------|--------|--------|--------|--------|--------|
| | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| | <i>(in PhP per hectare)</i> | | | | | | | | |
| CASH COSTS | 26,542 | 28,571 | 30,100 | 28,678 | 31,470 | 31,867 | 27,709 | 30,129 | 31,104 |
| Seeds | 2,107 | 2,283 | 1,985 | 1,635 | 1,941 | 1,377 | 1,857 | 2,107 | 1,657 |
| Fertilizer | 5,088 | 5,340 | 6,053 | 5,375 | 6,081 | 6,310 | 5,226 | 5,698 | 6,177 |
| Pesticides | 1,371 | 1,482 | 1,354 | 1,176 | 1,307 | 1,223 | 1,267 | 1,388 | 1,270 |
| Hired labor | 11,852 | 12,918 | 13,955 | 12,696 | 13,686 | 14,644 | 12,396 | 13,438 | 14,449 |
| Land tax | 137 | 138 | 139 | 166 | 168 | 170 | 150 | 151 | 153 |
| Caretaker/overseer's wages | 282 | 307 | 331 | 613 | 661 | 708 | 461 | 499 | 537 |
| Other permanent employee's salary | | | | 213 | 230 | 246 | 112 | 122 | 131 |
| Rentals | 247 | 269 | 263 | 417 | 469 | 427 | 338 | 374 | 353 |
| Fuel & Oil | 993 | 1,047 | 1,089 | 1,344 | 1,436 | 1,417 | 1,162 | 1,233 | 1,249 |
| Transport cost of inputs | 220 | 238 | 237 | 167 | 179 | 177 | 194 | 209 | 208 |
| Interest payment on crop loan | 1,722 | 1,894 | 2,083 | 906 | 997 | 1,097 | 1,329 | 1,461 | 1,608 |
| Irrigation fee | 816 | 885 | 769 | 771 | 915 | 649 | 792 | 899 | 707 |
| Sacks and tying materials | 546 | 568 | 589 | 414 | 443 | 446 | 482 | 509 | 520 |
| Electricity cost | | | | 273 | 292 | 288 | 133 | 141 | 143 |
| Food expense | 973 | 1,011 | 1,051 | 1,063 | 1,162 | 1,139 | 1,015 | 1,083 | 1,093 |
| Repairs | 187 | 191 | 201 | 1,447 | 1,503 | 1,550 | 795 | 819 | 852 |
| NON-CASH COSTS | 16,055 | 17,432 | 15,497 | 17,300 | 18,563 | 16,056 | 16,789 | 18,295 | 15,867 |
| Seeds | 300 | 325 | 283 | 135 | 161 | 114 | 213 | 242 | 191 |
| Fertilizer | 52 | 55 | 62 | 36 | 40 | 42 | 45 | 49 | 54 |
| Pesticides | 2 | 2 | 2 | | | | 1 | 1 | 1 |
| Hired labor in kind | 1,260 | 1,374 | 1,484 | 1,117 | 1,204 | 1,288 | 1,196 | 1,297 | 1,394 |
| Harvesters' share | 3,900 | 4,236 | 3,531 | 3,164 | 3,153 | 2,811 | 3,522 | 3,741 | 3,152 |
| Threshers' share | 3,850 | 4,181 | 3,485 | 5,200 | 5,182 | 4,620 | 4,639 | 4,926 | 4,152 |
| Landowner's share | 4,642 | 5,030 | 4,373 | 4,814 | 5,714 | 4,054 | 4,729 | 5,368 | 4,222 |
| Caretaker/overseers wages | 1,125 | 1,226 | 1,325 | 1,483 | 1,598 | 1,710 | 1,325 | 1,436 | 1,544 |
| Other permanent employee's salary | 247 | 270 | 291 | 14 | 15 | 16 | 126 | 136 | 146 |
| Rentals | 467 | 507 | 452 | 326 | 387 | 276 | 395 | 447 | 360 |
| Interest payment on crop loan | 45 | 49 | 54 | 463 | 510 | 561 | 248 | 273 | 300 |
| Irrigation fee | 164 | 177 | 154 | 109 | 130 | 92 | 136 | 154 | 121 |
| Sacks and tying materials | | | | 438 | 469 | 472 | 213 | 224 | 229 |
| IMPUTED COSTS | 10,586 | 11,484 | 11,448 | 14,279 | 16,094 | 14,493 | 12,749 | 14,072 | 13,381 |
| Seeds | 8 | 8 | 7 | 178 | 211 | 150 | 97 | 110 | 87 |
| Fertilizer | | | | 2 | 2 | 2 | 1 | 1 | 1 |
| Pesticides | 1 | 1 | 1 | | | | b/ | b/ | b/ |
| Operator labor | 3,125 | 3,406 | 3,680 | 3,535 | 3,811 | 4,078 | 3,373 | 3,657 | 3,932 |
| Family labor | 1,282 | 1,398 | 1,510 | 1,345 | 1,449 | 1,551 | 1,326 | 1,438 | 1,546 |
| Exchange labor | 132 | 144 | 155 | 191 | 206 | 220 | 164 | 177 | 191 |
| Depreciation | 661 | 727 | 799 | 1,113 | 1,225 | 1,347 | 878 | 966 | 1,063 |
| Interest on operating capital | 1,173 | 1,245 | 1,333 | 1,573 | 1,669 | 1,787 | 1,585 | 1,683 | 1,802 |
| Rental value of owned land | 4,196 | 4,546 | 3,952 | 6,269 | 7,442 | 5,279 | 5,284 | 5,998 | 4,718 |
| Transport cost of inputs | | | | 3 | 3 | 3 | 1 | 1 | 1 |
| Sacks and tying materials | 8 | 9 | 9 | 70 | 75 | 75 | 39 | 41 | 42 |
| TOTAL COSTS | 53,183 | 57,486 | 57,045 | 60,256 | 66,127 | 62,416 | 57,247 | 62,496 | 60,353 |
| GROSS RETURNS | 86,697 | 94,163 | 78,492 | 77,509 | 77,239 | 68,862 | 82,321 | 87,421 | 73,678 |
| RETURNS ABOVE CASH COSTS | 60,155 | 65,592 | 48,392 | 48,831 | 45,769 | 36,995 | 54,613 | 57,292 | 42,574 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 44,101 | 48,160 | 32,895 | 31,531 | 27,206 | 20,939 | 37,824 | 38,997 | 26,706 |
| NET RETURNS | 33,514 | 36,676 | 21,448 | 17,253 | 11,112 | 6,446 | 25,075 | 24,925 | 13,325 |
| NET PROFIT - COST RATIO | 0.63 | 0.64 | 0.38 | 0.29 | 0.17 | 0.10 | 0.44 | 0.40 | 0.22 |
| <i>Cost per kilogram (PhP)</i> | 11.27 | 12.15 | 12.58 | 14.01 | 18.31 | 13.75 | 12.65 | 14.76 | 13.30 |
| <i>Yield per hectare (kg)</i> | 4,720 | 4,731 | 4,536 | 4,302 | 3,611 | 4,538 | 4,526 | 4,234 | 4,537 |
| <i>Farmgate price (PhP/kg)</i> | 18.37 | 19.90 | 17.30 | 18.02 | 21.39 | 15.17 | 18.19 | 20.65 | 16.24 |

b/ Less than PhP 1

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Table 4B. Irrigated Palay: Updated Average Costs of Production, by Season, CAGAYAN VALLEY, 2017 - 2019

| ITEM | DRY SEASON | | | WET SEASON | | | ANNUAL | | |
|--|-----------------------------|--------|--------|------------|--------|--------|--------|--------|--------|
| | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| | <i>(in PhP per hectare)</i> | | | | | | | | |
| CASH COSTS | 24,843 | 26,758 | 28,108 | 27,126 | 29,811 | 30,064 | 26,146 | 28,463 | 29,278 |
| Seeds | 2,173 | 2,354 | 2,047 | 1,659 | 1,969 | 1,397 | 1,896 | 2,152 | 1,693 |
| Fertilizer | 5,189 | 5,488 | 6,208 | 5,426 | 6,145 | 6,375 | 5,306 | 5,810 | 6,293 |
| Pesticides | 1,351 | 1,460 | 1,333 | 1,168 | 1,299 | 1,215 | 1,251 | 1,370 | 1,253 |
| Hired labor | 9,815 | 10,698 | 11,556 | 10,925 | 11,777 | 12,602 | 10,534 | 11,420 | 12,279 |
| Land tax | 140 | 141 | 143 | 170 | 172 | 174 | 155 | 157 | 158 |
| Caretaker/overseer's wages | 308 | 336 | 363 | 635 | 685 | 733 | 490 | 531 | 571 |
| Other permanent employee's salary | | | | 220 | 237 | 254 | 120 | 130 | 140 |
| Rentals | 216 | 234 | 225 | 427 | 480 | 437 | 330 | 365 | 343 |
| Fuel & Oil | 1,024 | 1,080 | 1,124 | 1,355 | 1,448 | 1,429 | 1,188 | 1,261 | 1,277 |
| Transport cost of inputs | 222 | 240 | 239 | 161 | 172 | 170 | 191 | 206 | 204 |
| Interest payment on crop loan | 1,828 | 2,011 | 2,212 | 939 | 1,033 | 1,136 | 1,387 | 1,525 | 1,678 |
| Irrigation fee | 894 | 968 | 842 | 797 | 946 | 671 | 843 | 956 | 752 |
| Sacks and tying materials | 554 | 577 | 598 | 405 | 433 | 436 | 479 | 506 | 516 |
| Electricity cost | | | | 284 | 303 | 299 | 140 | 148 | 150 |
| Food expense | 949 | 986 | 1,025 | 1,064 | 1,163 | 1,140 | 1,006 | 1,073 | 1,082 |
| Repairs | 180 | 184 | 193 | 1,491 | 1,548 | 1,597 | 830 | 854 | 889 |
| NON-CASH COSTS | 16,708 | 18,114 | 16,122 | 17,886 | 19,134 | 16,580 | 17,442 | 18,950 | 16,478 |
| Seeds | 272 | 295 | 256 | 107 | 127 | 90 | 184 | 208 | 164 |
| Fertilizer | 58 | 61 | 69 | 37 | 42 | 44 | 47 | 52 | 56 |
| Pesticides | 2 | 2 | 2 | | | | 1 | 1 | 1 |
| Hired labor in kind | 1,370 | 1,493 | 1,613 | 1,156 | 1,246 | 1,333 | 1,269 | 1,376 | 1,479 |
| Harvesters' share | 4,105 | 4,445 | 3,698 | 3,324 | 3,297 | 2,944 | 3,700 | 3,907 | 3,301 |
| Threshers' share | 3,918 | 4,241 | 3,529 | 5,404 | 5,359 | 4,786 | 4,801 | 5,069 | 4,283 |
| Landowner's share | 4,758 | 5,155 | 4,482 | 4,925 | 5,847 | 4,147 | 4,851 | 5,506 | 4,331 |
| Caretaker/overseers wages | 1,215 | 1,324 | 1,431 | 1,533 | 1,653 | 1,768 | 1,404 | 1,521 | 1,636 |
| Other permanent employee's salary | 272 | 296 | 320 | 15 | 16 | 17 | 135 | 146 | 157 |
| Rentals | 510 | 553 | 493 | 338 | 401 | 286 | 418 | 473 | 381 |
| Interest payment on crop loan | 50 | 55 | 60 | 479 | 527 | 580 | 264 | 290 | 319 |
| Irrigation fee | 179 | 194 | 169 | 114 | 135 | 96 | 144 | 163 | 128 |
| Sacks and tying materials | | | | 453 | 485 | 488 | 225 | 237 | 242 |
| IMPUTED COSTS | 11,193 | 12,137 | 12,173 | 14,118 | 15,923 | 14,308 | 13,307 | 14,678 | 14,036 |
| Seeds | 6 | 6 | 5 | 183 | 218 | 154 | 101 | 114 | 90 |
| Fertilizer | | | | 2 | 2 | 2 | 1 | 1 | 1 |
| Pesticides | 1 | 1 | 1 | | | | b/ | b/ | b/ |
| Operator labor | 3,091 | 3,369 | 3,640 | 3,460 | 3,730 | 3,991 | 3,328 | 3,608 | 3,879 |
| Family labor | 1,680 | 1,831 | 1,978 | 1,343 | 1,448 | 1,550 | 1,943 | 2,106 | 2,265 |
| Exchange labor | 180 | 196 | 212 | 191 | 206 | 220 | 247 | 268 | 288 |
| Depreciation | 644 | 708 | 779 | 1,114 | 1,226 | 1,348 | 878 | 966 | 1,063 |
| Interest on operating capital | 1,490 | 1,581 | 1,693 | 1,481 | 1,572 | 1,683 | 1,495 | 1,587 | 1,699 |
| Rental value of owned land | 4,095 | 4,437 | 3,857 | 6,268 | 7,441 | 5,278 | 5,272 | 5,984 | 4,707 |
| Transport cost of inputs | | | | 3 | 3 | 3 | 1 | 1 | 1 |
| Sacks and tying materials | 6 | 6 | 7 | 72 | 77 | 78 | 40 | 42 | 43 |
| TOTAL COSTS | 52,744 | 57,009 | 56,404 | 59,130 | 64,868 | 60,953 | 56,894 | 62,091 | 59,792 |
| GROSS RETURNS | 91,299 | 98,844 | 82,240 | 80,483 | 79,816 | 71,289 | 86,028 | 90,834 | 76,743 |
| RETURNS ABOVE CASH COSTS | 66,456 | 72,086 | 54,132 | 53,357 | 50,005 | 41,225 | 59,882 | 62,371 | 47,465 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 49,748 | 53,972 | 38,009 | 35,471 | 30,871 | 24,644 | 42,440 | 43,421 | 30,986 |
| NET RETURNS | 38,555 | 41,835 | 25,836 | 21,353 | 14,948 | 10,336 | 29,134 | 28,743 | 16,950 |
| NET PROFIT - COST RATIO | 0.73 | 0.73 | 0.46 | 0.36 | 0.23 | 0.17 | 0.51 | 0.46 | 0.28 |
| <i>Cost per kilogram (PhP)</i> | 10.61 | 11.48 | 11.87 | 13.24 | 17.38 | 12.97 | 12.03 | 14.11 | 12.65 |
| <i>Yield per hectare (kg)</i> | 4,970 | 4,967 | 4,753 | 4,467 | 3,731 | 4,698 | 4,729 | 4,400 | 4,726 |
| <i>Farmgate price (PhP/kg)</i> | 18.37 | 19.90 | 17.30 | 18.02 | 21.39 | 15.17 | 18.19 | 20.65 | 16.24 |

b/ Less than PhP 1

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Table 4C. Non-Irrigated: Updated Average Costs of Production, by Season, CAGAYAN VALLEY, 2017 - 2019

| ITEM | DRY SEASON | | | WET SEASON | | | ANNUAL | | |
|--|-----------------------------|--------|--------|------------|--------|--------|--------|--------|--------|
| | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| | <i>(in PhP per hectare)</i> | | | | | | | | |
| CASH COSTS | 21,449 | 23,051 | 24,380 | 19,749 | 21,618 | 22,066 | 19,901 | 21,624 | 22,438 |
| Seeds | 1,591 | 1,724 | 1,499 | 1,130 | 1,342 | 952 | 1,244 | 1,412 | 1,111 |
| Fertilizer | 4,006 | 4,198 | 4,799 | 2,295 | 2,641 | 2,752 | 3,691 | 4,037 | 4,408 |
| Pesticides | 1,540 | 1,664 | 1,520 | 1,459 | 1,623 | 1,518 | 1,533 | 1,678 | 1,535 |
| Hired labor | 10,136 | 11,047 | 11,934 | 11,313 | 12,196 | 13,049 | 9,569 | 10,373 | 11,154 |
| Land tax | 102 | 103 | 104 | 42 | 42 | 43 | 87 | 88 | 88 |
| Rentals | 612 | 666 | 700 | 120 | 129 | 138 | 425 | 464 | 482 |
| Fuel & Oil | 681 | 718 | 747 | 1,025 | 1,096 | 1,081 | 747 | 792 | 803 |
| Transport cost of inputs | 198 | 214 | 213 | 354 | 379 | 375 | 234 | 252 | 250 |
| Interest payment on crop loan | 584 | 643 | 707 | | | | 427 | 470 | 517 |
| Sacks and tying materials | 456 | 475 | 492 | 727 | 778 | 783 | 519 | 547 | 559 |
| Food expense | 1,271 | 1,321 | 1,374 | 1,113 | 1,216 | 1,192 | 1,178 | 1,256 | 1,268 |
| Repairs | 272 | 278 | 291 | 170 | 177 | 182 | 247 | 254 | 264 |
| NON-CASH COSTS | 8,844 | 9,755 | 8,009 | 10,072 | 11,015 | 8,822 | 9,766 | 11,057 | 8,501 |
| Seeds | 698 | 756 | 657 | 1,152 | 1,367 | 970 | 714 | 811 | 638 |
| Hired labor in kind | 97 | 105 | 114 | | | | 63 | 68 | 73 |
| Harvesters' share | 1,546 | 1,741 | 1,308 | 1,854 | 1,951 | 1,650 | 2,106 | 2,384 | 1,787 |
| Threshers' share | 2,461 | 2,771 | 2,082 | 5,075 | 5,339 | 4,515 | 3,938 | 4,458 | 3,342 |
| Landowner's share | 3,879 | 4,203 | 3,654 | 1,943 | 2,306 | 1,636 | 2,827 | 3,209 | 2,524 |
| Caretaker/overseers wages | 164 | 178 | 193 | | | | 106 | 115 | 124 |
| Sacks and tying materials | | | | 48 | 51 | 52 | 11 | 12 | 12 |
| IMPUTED COSTS | 15,703 | 17,043 | 17,022 | 17,970 | 20,188 | 18,447 | 14,686 | 16,190 | 15,600 |
| Seeds | 37 | 40 | 35 | | | | 22 | 25 | 20 |
| Operator labor | 3,638 | 3,965 | 4,283 | 6,443 | 6,945 | 7,431 | 4,055 | 4,396 | 4,726 |
| Family labor | 3,406 | 3,712 | 4,010 | 1,545 | 1,666 | 1,782 | 2,628 | 2,849 | 3,063 |
| Exchange labor | 342 | 372 | 402 | 203 | 218 | 234 | 277 | 300 | 323 |
| Depreciation | 825 | 908 | 999 | 1,088 | 1,197 | 1,316 | 895 | 985 | 1,083 |
| Interest on operating capital | 1,364 | 1,448 | 1,551 | 1,238 | 1,314 | 1,407 | 1,235 | 1,311 | 1,404 |
| Rental value of owned land | 6,056 | 6,562 | 5,705 | 7,453 | 8,848 | 6,277 | 5,549 | 6,298 | 4,953 |
| Sacks and tying materials | 34 | 36 | 37 | | | | 25 | 26 | 27 |
| TOTAL COSTS | 45,995 | 49,849 | 49,411 | 47,790 | 52,821 | 49,335 | 44,353 | 48,871 | 46,539 |
| GROSS RETURNS | 60,204 | 67,792 | 50,944 | 50,409 | 53,032 | 44,843 | 56,416 | 63,870 | 47,885 |
| RETURNS ABOVE CASH COSTS | 38,756 | 44,741 | 26,564 | 30,660 | 31,415 | 22,777 | 36,515 | 42,247 | 25,446 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 29,911 | 34,986 | 18,555 | 20,588 | 20,400 | 13,955 | 26,749 | 31,190 | 16,945 |
| NET RETURNS | 14,209 | 17,943 | 1,533 | 2,618 | 212 | -4,492 | 12,063 | 15,000 | 1,346 |
| NET PROFIT - COST RATIO | 0.31 | 0.36 | 0.03 | 0.05 | 0.004 | -0.09 | 0.27 | 0.31 | 0.03 |
| <i>Cost per kilogram (PhP)</i> | 14.03 | 14.63 | 16.78 | 17.08 | 21.30 | 16.69 | 14.30 | 15.80 | 15.78 |
| <i>Yield per hectare (kg)</i> | 3,278 | 3,406 | 2,944 | 2,798 | 2,479 | 2,955 | 3,101 | 3,094 | 2,949 |
| <i>Farmgate price (PhP/kg)</i> | 18.37 | 19.90 | 17.30 | 18.02 | 21.39 | 15.17 | 18.19 | 20.65 | 16.24 |

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Table 5A. All Palay: Updated Average Costs of Production, by Season, Central Luzon, 2017 - 2019

| ITEM | DRY SEASON | | | WET SEASON | | | ANNUAL | | |
|--|-----------------------------|---------|--------|------------|--------|--------|--------|---------|--------|
| | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| | <i>(in PhP per hectare)</i> | | | | | | | | |
| CASH COSTS | 25,950 | 26,776 | 27,130 | 23,867 | 25,573 | 25,493 | 24,851 | 26,155 | 26,237 |
| Seeds | 2,364 | 2,514 | 2,011 | 2,080 | 2,378 | 1,631 | 2,211 | 2,438 | 1,807 |
| Fertilizer | 5,312 | 5,386 | 5,934 | 4,178 | 4,529 | 4,696 | 4,676 | 4,907 | 5,232 |
| Pesticides | 1,329 | 1,296 | 1,200 | 1,107 | 1,146 | 1,036 | 1,232 | 1,241 | 1,140 |
| Hired labor | 8,373 | 8,753 | 9,138 | 9,802 | 10,486 | 11,152 | 9,195 | 9,724 | 10,247 |
| Land tax | 327 | 331 | 334 | 357 | 361 | 364 | 344 | 347 | 351 |
| Caretaker/overseer's wages | 548 | 573 | 598 | 239 | 255 | 272 | 380 | 402 | 424 |
| Other permanent employee's salary | 49 | 51 | 53 | 5 | 6 | 6 | 26 | 27 | 29 |
| Rentals | 592 | 624 | 572 | 339 | 370 | 352 | 451 | 485 | 447 |
| Fuel & Oil | 1,417 | 1,377 | 1,428 | 1,096 | 1,123 | 1,125 | 1,239 | 1,236 | 1,260 |
| Transport cost of inputs | 217 | 226 | 232 | 191 | 203 | 204 | 202 | 212 | 215 |
| Interest payment on crop loan | 910 | 1,001 | 1,101 | 428 | 471 | 518 | 646 | 711 | 782 |
| Irrigation fee | 1,128 | 1,200 | 959 | 524 | 599 | 411 | 788 | 869 | 645 |
| Sacks and tying materials | 563 | 577 | 596 | 458 | 476 | 489 | 506 | 522 | 537 |
| Electricity cost | 34 | 33 | 35 | 35 | 36 | 36 | 36 | 36 | 37 |
| Food expense | 1,000 | 1,036 | 1,079 | 1,146 | 1,225 | 1,237 | 1,081 | 1,138 | 1,167 |
| Repairs | 1,787 | 1,799 | 1,859 | 1,881 | 1,909 | 1,965 | 1,839 | 1,859 | 1,918 |
| NON-CASH COSTS | 22,207 | 23,486 | 19,917 | 19,934 | 22,212 | 16,905 | 21,002 | 22,805 | 18,376 |
| Seeds | 298 | 317 | 254 | 285 | 326 | 224 | 292 | 322 | 239 |
| Fertilizer | 8 | 8 | 9 | 3 | 4 | 4 | 5 | 5 | 6 |
| Pesticides | 2 | 2 | 2 | | | | 1 | 1 | 1 |
| Hired labor in kind | 1,321 | 1,381 | 1,442 | 998 | 1,068 | 1,136 | 1,150 | 1,216 | 1,282 |
| Harvesters' share | 7,698 | 8,151 | 6,579 | 6,918 | 7,709 | 5,518 | 7,277 | 7,906 | 6,023 |
| Threshers' share | 6,416 | 6,793 | 5,483 | 6,590 | 7,343 | 5,256 | 6,527 | 7,091 | 5,403 |
| Landowner's share | 3,179 | 3,381 | 2,704 | 2,588 | 2,959 | 2,029 | 2,855 | 3,148 | 2,334 |
| Caretaker/overseers wages | 2,248 | 2,350 | 2,453 | 842 | 901 | 958 | 1,484 | 1,569 | 1,654 |
| Other permanent employee's salary | 70 | 73 | 76 | 1 | 1 | 1 | 32 | 34 | 36 |
| Rentals | 767 | 812 | 698 | 590 | 675 | 463 | 672 | 738 | 575 |
| Transport cost of inputs | 20 | 20 | 21 | | | | 8 | 9 | 9 |
| Interest payment on crop loan | 121 | 133 | 146 | 983 | 1,081 | 1,189 | 597 | 656 | 722 |
| Irrigation fee | 60 | 63 | 51 | 59 | 68 | 47 | 60 | 67 | 49 |
| Sacks and tying materials | | | | 76 | 79 | 81 | 42 | 43 | 45 |
| IMPUTED COSTS | 11,397 | 12,061 | 11,794 | 12,576 | 13,850 | 12,619 | 12,090 | 13,040 | 12,314 |
| Seeds | 291 | 309 | 247 | 347 | 396 | 272 | 324 | 357 | 265 |
| Fertilizer | 153 | 155 | 171 | 42 | 45 | 47 | 89 | 94 | 100 |
| Operator labor | 2,261 | 2,364 | 2,468 | 2,571 | 2,750 | 2,925 | 2,434 | 2,574 | 2,713 |
| Family labor | 2,501 | 2,615 | 2,730 | 2,214 | 2,369 | 2,519 | 2,352 | 2,487 | 2,621 |
| Exchange labor | 240 | 251 | 262 | 164 | 175 | 186 | 198 | 209 | 220 |
| Depreciation | 1,211 | 1,332 | 1,466 | 1,254 | 1,379 | 1,517 | 1,234 | 1,358 | 1,493 |
| Interest on operating capital | 1,436 | 1,525 | 1,633 | 1,291 | 1,371 | 1,468 | 1,353 | 1,436 | 1,537 |
| Rental value of owned land | 3,255 | 3,462 | 2,769 | 4,677 | 5,347 | 3,668 | 4,076 | 4,494 | 3,332 |
| Fuel & Oil | 16 | 15 | 16 | | | | 7 | 7 | 7 |
| Transport cost of inputs | 11 | 12 | 12 | | | | 5 | 5 | 6 |
| Sacks and tying materials | 20 | 20 | 21 | 17 | 17 | 18 | 19 | 19 | 20 |
| TOTAL COSTS | 59,554 | 62,324 | 58,841 | 56,377 | 61,635 | 55,017 | 57,944 | 62,001 | 56,928 |
| GROSS RETURNS | 107,089 | 113,391 | 91,519 | 86,856 | 96,780 | 69,275 | 95,946 | 104,242 | 79,419 |
| RETURNS ABOVE CASH COSTS | 81,138 | 86,615 | 64,390 | 62,989 | 71,207 | 43,782 | 71,095 | 78,087 | 53,182 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 58,931 | 63,129 | 44,472 | 43,055 | 48,995 | 26,877 | 50,093 | 55,282 | 34,806 |
| NET RETURNS | 47,534 | 51,067 | 32,678 | 30,479 | 35,145 | 14,258 | 38,002 | 42,241 | 22,492 |
| NET PROFIT - COST RATIO | 0.80 | 0.82 | 0.56 | 0.54 | 0.57 | 0.26 | 0.66 | 0.68 | 0.40 |
| <i>Cost per kilogram (PhP)</i> | 10.72 | 11.26 | 10.54 | 12.19 | 13.68 | 11.70 | 11.49 | 12.48 | 11.15 |
| <i>Yield per hectare (kg)</i> | 5,558 | 5,534 | 5,584 | 4,624 | 4,507 | 4,703 | 5,042 | 4,968 | 5,104 |
| <i>Farmgate price (PhP/kg)</i> | 19.27 | 20.49 | 16.39 | 18.79 | 21.48 | 14.73 | 19.03 | 20.98 | 15.56 |

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Table 5B. Irrigated Palay: Updated Average Costs of Production, by Season, Central Luzon, 2017 - 2019

| ITEM | DRY SEASON | | | WET SEASON | | | ANNUAL | | |
|--|-----------------------------|---------|--------|------------|--------|--------|--------|---------|--------|
| | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| | <i>(in PhP per hectare)</i> | | | | | | | | |
| CASH COSTS | 26,347 | 27,241 | 27,591 | 24,033 | 25,906 | 25,555 | 24,925 | 26,315 | 26,360 |
| Seeds | 2,387 | 2,539 | 2,031 | 2,525 | 2,886 | 1,980 | 2,225 | 2,453 | 1,819 |
| Fertilizer | 5,418 | 5,544 | 6,095 | 4,184 | 4,607 | 4,772 | 4,789 | 5,088 | 5,420 |
| Pesticides | 1,320 | 1,287 | 1,192 | 1,132 | 1,172 | 1,059 | 1,249 | 1,258 | 1,155 |
| Hired labor | 8,455 | 8,840 | 9,228 | 9,803 | 10,488 | 11,153 | 9,164 | 9,691 | 10,212 |
| Land tax | 337 | 340 | 343 | 301 | 304 | 307 | 319 | 322 | 326 |
| Caretaker/overseer's wages | 555 | 581 | 606 | 313 | 334 | 356 | 439 | 464 | 489 |
| Other permanent employee's salary | 51 | 53 | 55 | 8 | 8 | 9 | 29 | 31 | 32 |
| Rentals | 619 | 653 | 598 | 326 | 353 | 349 | 466 | 501 | 465 |
| Fuel & Oil | 1,418 | 1,378 | 1,429 | 1,094 | 1,120 | 1,123 | 1,255 | 1,252 | 1,277 |
| Transport cost of inputs | 223 | 232 | 239 | 140 | 149 | 149 | 182 | 192 | 194 |
| Interest payment on crop loan | 950 | 1,045 | 1,149 | 479 | 527 | 580 | 718 | 789 | 868 |
| Irrigation fee | 1,176 | 1,251 | 1,000 | 846 | 967 | 663 | 929 | 1,024 | 760 |
| Sacks and tying materials | 582 | 596 | 616 | 434 | 451 | 463 | 509 | 525 | 541 |
| Electricity cost | 36 | 35 | 37 | 33 | 34 | 34 | 35 | 35 | 35 |
| Food expense | 1,029 | 1,066 | 1,110 | 986 | 1,054 | 1,065 | 1,007 | 1,060 | 1,087 |
| Repairs | 1,790 | 1,802 | 1,863 | 1,430 | 1,451 | 1,494 | 1,611 | 1,628 | 1,680 |
| NON-CASH COSTS | 22,318 | 23,603 | 19,999 | 19,754 | 21,952 | 16,872 | 20,697 | 22,440 | 18,154 |
| Seeds | 308 | 328 | 262 | 404 | 462 | 317 | 320 | 353 | 262 |
| Fertilizer | 7 | 7 | 8 | | | | 3 | 3 | 4 |
| Pesticides | 2 | 2 | 2 | | | | 1 | 1 | 1 |
| Hired labor in kind | 1,307 | 1,367 | 1,427 | 1,226 | 1,312 | 1,395 | 1,274 | 1,347 | 1,419 |
| Harvesters' share | 7,837 | 8,298 | 6,695 | 6,249 | 6,941 | 4,992 | 7,028 | 7,626 | 5,808 |
| Threshers' share | 6,511 | 6,894 | 5,562 | 6,698 | 7,440 | 5,351 | 6,592 | 7,153 | 5,448 |
| Landowner's share | 3,053 | 3,247 | 2,596 | 2,626 | 3,002 | 2,059 | 2,592 | 2,858 | 2,119 |
| Caretaker/overseers wages | 2,211 | 2,311 | 2,413 | 1,088 | 1,164 | 1,238 | 1,671 | 1,767 | 1,862 |
| Other permanent employee's salary | 72 | 75 | 78 | 2 | 2 | 2 | 37 | 39 | 41 |
| Rentals | 800 | 848 | 728 | 477 | 545 | 374 | 595 | 652 | 516 |
| Transport cost of inputs | 20 | 20 | 21 | | | | 10 | 11 | 11 |
| Interest payment on crop loan | 127 | 140 | 154 | 834 | 917 | 1,009 | 477 | 524 | 577 |
| Irrigation fee | 63 | 67 | 53 | 95 | 109 | 75 | 71 | 78 | 58 |
| Sacks and tying materials | | | | 56 | 58 | 59 | 27 | 28 | 29 |
| IMPUTED COSTS | 11,630 | 12,311 | 12,036 | 12,790 | 14,122 | 12,592 | 11,712 | 12,625 | 11,951 |
| Seeds | 298 | 317 | 254 | 363 | 415 | 285 | 298 | 329 | 244 |
| Fertilizer | 97 | 99 | 109 | 24 | 26 | 27 | 59 | 63 | 67 |
| Operator labor | 2,317 | 2,423 | 2,529 | 2,336 | 2,499 | 2,658 | 2,339 | 2,474 | 2,607 |
| Family labor | 2,605 | 2,724 | 2,843 | 2,219 | 2,373 | 2,524 | 2,430 | 2,570 | 2,708 |
| Exchange labor | 252 | 264 | 275 | 180 | 193 | 205 | 218 | 231 | 243 |
| Depreciation | 1,240 | 1,364 | 1,501 | 961 | 1,057 | 1,162 | 1,102 | 1,213 | 1,334 |
| Interest on operating capital | 1,454 | 1,544 | 1,653 | 1,319 | 1,400 | 1,500 | 1,366 | 1,450 | 1,553 |
| Rental value of owned land | 3,317 | 3,528 | 2,821 | 5,369 | 6,137 | 4,210 | 3,863 | 4,260 | 3,159 |
| Fuel & Oil | 17 | 16 | 17 | | | | 8 | 8 | 8 |
| Transport cost of inputs | 11 | 12 | 12 | | | | 6 | 7 | 7 |
| Sacks and tying materials | 21 | 21 | 22 | 20 | 21 | 21 | 21 | 22 | 22 |
| TOTAL COSTS | 60,295 | 63,156 | 59,626 | 56,578 | 61,981 | 55,019 | 57,334 | 61,379 | 56,466 |
| GROSS RETURNS | 107,228 | 113,535 | 91,601 | 88,372 | 98,169 | 70,606 | 97,592 | 105,900 | 80,656 |
| RETURNS ABOVE CASH COSTS | 80,881 | 86,294 | 64,010 | 64,339 | 72,263 | 45,051 | 72,667 | 79,585 | 54,296 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 58,564 | 62,691 | 44,011 | 44,585 | 50,311 | 28,179 | 51,970 | 57,145 | 36,141 |
| NET RETURNS | 46,934 | 50,380 | 31,975 | 31,795 | 36,189 | 15,587 | 40,258 | 44,520 | 24,190 |
| NET PROFIT - COST RATIO | 0.78 | 0.80 | 0.54 | 0.56 | 0.58 | 0.28 | 0.70 | 0.73 | 0.43 |
| <i>Cost per kilogram (PhP)</i> | 10.83 | 11.40 | 10.67 | 12.03 | 13.56 | 11.48 | 11.18 | 12.16 | 10.89 |
| <i>Yield per hectare (kg)</i> | 5,565 | 5,541 | 5,589 | 4,704 | 4,571 | 4,793 | 5,128 | 5,047 | 5,184 |
| <i>Farmgate price (PhP/kg)</i> | 19.27 | 20.49 | 16.39 | 18.79 | 21.48 | 14.73 | 19.03 | 20.98 | 15.56 |

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Table 5C. Non-Irrigated Palay: Updated Average Costs of Production, by Season, Central Luzon, 2017 - 2019

| ITEM | DRY SEASON | | | WET SEASON | | | ANNUAL | | |
|--|-----------------------------|--------|--------|------------|--------|--------|--------|--------|--------|
| | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| | <i>(in PhP per hectare)</i> | | | | | | | | |
| CASH COSTS | 16,644 | 16,831 | 16,855 | 25,907 | 27,618 | 27,679 | 24,975 | 26,150 | 26,427 |
| Seeds | 1,776 | 1,888 | 1,510 | 2,160 | 2,469 | 1,694 | 2,137 | 2,356 | 1,747 |
| Fertilizer | 2,831 | 2,874 | 3,177 | 4,488 | 4,842 | 5,007 | 4,180 | 4,361 | 4,623 |
| Pesticides | 1,579 | 1,540 | 1,426 | 1,032 | 1,068 | 966 | 1,147 | 1,155 | 1,061 |
| Hired labor | 6,283 | 6,345 | 6,409 | 9,981 | 10,678 | 11,356 | 9,749 | 10,309 | 10,864 |
| Land tax | 120 | 122 | 123 | 541 | 546 | 552 | 490 | 495 | 499 |
| Caretaker/overseer's wages | 354 | 370 | 387 | | | | 45 | 48 | 50 |
| Rentals | | | | 423 | 470 | 395 | 372 | 403 | 351 |
| Fuel & Oil | 1,413 | 1,373 | 1,425 | 1,101 | 1,128 | 1,130 | 1,148 | 1,146 | 1,168 |
| Transport cost of inputs | 77 | 80 | 82 | 349 | 371 | 372 | 315 | 331 | 336 |
| Interest payment on crop loan | | | | 275 | 302 | 332 | 240 | 264 | 290 |
| Sacks and tying materials | 178 | 182 | 188 | 531 | 552 | 566 | 489 | 504 | 519 |
| Electricity cost | | | | 43 | 44 | 45 | 39 | 39 | 40 |
| Food expense | 327 | 339 | 353 | 1,659 | 1,774 | 1,792 | 1,498 | 1,578 | 1,618 |
| Repairs | 1,706 | 1,717 | 1,775 | 3,325 | 3,374 | 3,473 | 3,127 | 3,161 | 3,261 |
| NON-CASH COSTS | 19,940 | 20,878 | 18,732 | 22,084 | 24,879 | 17,805 | 21,666 | 23,592 | 18,232 |
| Seeds | 59 | 62 | 50 | 145 | 166 | 114 | 136 | 150 | 111 |
| Fertilizer | | | | 4 | 4 | 4 | 11 | 11 | 12 |
| Hired labor in kind | 4,492 | 4,696 | 4,902 | 273 | 293 | 311 | 443 | 469 | 494 |
| Harvesters' share | 3,103 | 3,203 | 2,609 | 8,697 | 9,785 | 6,650 | 8,082 | 8,768 | 6,446 |
| Threshers' share | 3,010 | 3,107 | 2,531 | 6,048 | 6,805 | 4,625 | 5,731 | 6,217 | 4,570 |
| Landowner's share | 6,161 | 6,552 | 5,240 | 4,035 | 4,613 | 3,164 | 4,326 | 4,770 | 3,537 |
| Caretaker/overseers wages | 3,115 | 3,257 | 3,399 | 51 | 55 | 58 | 435 | 460 | 485 |
| Rentals | | | | 1,234 | 1,411 | 968 | 1,103 | 1,216 | 902 |
| Interest payment on crop loan | | | | 1,459 | 1,605 | 1,766 | 1,278 | 1,406 | 1,546 |
| Sacks and tying materials | | | | 137 | 142 | 146 | 121 | 124 | 128 |
| IMPUTED COSTS | 5,982 | 6,290 | 6,216 | 15,434 | 17,020 | 15,529 | 14,270 | 15,436 | 14,413 |
| Seeds | 133 | 141 | 113 | 508 | 581 | 399 | 470 | 518 | 384 |
| Fertilizer | 1,444 | 1,466 | 1,621 | 107 | 116 | 120 | 269 | 280 | 297 |
| Operator labor | 888 | 929 | 970 | 3,317 | 3,549 | 3,774 | 2,969 | 3,140 | 3,309 |
| Family labor | 140 | 146 | 153 | 2,202 | 2,356 | 2,505 | 1,911 | 2,021 | 2,130 |
| Exchange labor | 24 | 25 | 26 | 105 | 112 | 119 | 95 | 100 | 106 |
| Depreciation | 532 | 586 | 644 | 2,190 | 2,409 | 2,650 | 1,984 | 2,183 | 2,401 |
| Interest on operating capital | 1,016 | 1,078 | 1,154 | 1,329 | 1,410 | 1,510 | 1,291 | 1,370 | 1,467 |
| Rental value of owned land | 1,804 | 1,919 | 1,535 | 5,669 | 6,481 | 4,445 | 5,276 | 5,818 | 4,314 |
| Sacks and tying materials | | | | 6 | 7 | 7 | 5 | 5 | 6 |
| TOTAL COSTS | 42,566 | 43,999 | 41,802 | 63,425 | 69,517 | 61,013 | 60,911 | 65,177 | 59,072 |
| GROSS RETURNS | 80,214 | 82,797 | 67,442 | 79,416 | 89,352 | 60,724 | 80,422 | 87,247 | 64,139 |
| RETURNS ABOVE CASH COSTS | 63,570 | 65,966 | 50,587 | 53,509 | 61,734 | 33,045 | 55,447 | 61,097 | 37,712 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 43,630 | 45,088 | 31,855 | 31,425 | 36,856 | 15,240 | 33,781 | 37,505 | 19,481 |
| NET RETURNS | 37,648 | 38,798 | 25,639 | 15,991 | 19,835 | -289 | 19,511 | 22,070 | 5,067 |
| NET PROFIT - COST RATIO | 0.88 | 0.88 | 0.61 | 0.25 | 0.29 | -0.005 | 0.32 | 0.34 | 0.09 |
| <i>Cost per kilogram (PhP)</i> | 10.22 | 10.89 | 10.16 | 15.00 | 16.71 | 14.80 | 14.41 | 15.68 | 14.33 |
| <i>Yield per hectare (kg)</i> | 4,163 | 4,040 | 4,115 | 4,228 | 4,161 | 4,122 | 4,226 | 4,158 | 4,122 |
| <i>Farmgate price (PhP/kg)</i> | 19.27 | 20.49 | 16.39 | 18.79 | 21.48 | 14.73 | 19.03 | 20.98 | 15.56 |

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Table 6A. All Palay: Updated Average Costs of Production, by Season, CALABARZON, 2017 - 2019

| ITEM | DRY SEASON | | | WET SEASON | | | ANNUAL | | |
|--|-----------------------------|--------|--------|------------|--------|--------|--------|--------|--------|
| | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| | <i>(in PhP per hectare)</i> | | | | | | | | |
| CASH COSTS | 23,264 | 24,327 | 25,301 | 19,307 | 20,680 | 20,457 | 21,132 | 21,996 | 22,703 |
| Seeds | 985 | 1,102 | 987 | 915 | 1,083 | 747 | 950 | 1,094 | 864 |
| Fertilizer | 3,747 | 3,878 | 4,298 | 3,163 | 3,415 | 3,651 | 3,430 | 3,627 | 3,948 |
| Pesticides | 1,558 | 1,601 | 1,462 | 1,369 | 1,442 | 1,319 | 1,446 | 1,500 | 1,373 |
| Hired labor | 11,292 | 11,831 | 12,458 | 10,556 | 11,170 | 11,303 | 10,894 | 11,116 | 11,839 |
| Land tax | 258 | 261 | 263 | 117 | 118 | 120 | 184 | 185 | 187 |
| Caretaker/overseer's wages | 164 | 172 | 181 | 3 | 4 | 4 | 78 | 79 | 85 |
| Rentals | 390 | 408 | 430 | 216 | 233 | 222 | 296 | 305 | 319 |
| Fuel & Oil | 725 | 783 | 813 | 466 | 515 | 488 | 587 | 641 | 637 |
| Transport cost of inputs | 60 | 63 | 65 | 97 | 105 | 103 | 80 | 85 | 85 |
| Interest payment on crop loan | 231 | 254 | 280 | 264 | 290 | 319 | 249 | 274 | 302 |
| Irrigation fee | 497 | 556 | 498 | 468 | 554 | 382 | 483 | 556 | 439 |
| Sacks and tying materials | 341 | 354 | 366 | 300 | 317 | 323 | 320 | 335 | 344 |
| Electricity cost | 9 | 9 | 10 | 11 | 12 | 11 | 9 | 10 | 10 |
| Food expense | 386 | 402 | 416 | 319 | 342 | 344 | 350 | 370 | 378 |
| Repairs | 2,616 | 2,646 | 2,768 | 1,042 | 1,079 | 1,120 | 1,774 | 1,816 | 1,891 |
| Others ^{a/} | 6 | 6 | 7 | | | | 3 | 3 | 3 |
| NON-CASH COSTS | 20,264 | 23,135 | 20,337 | 17,993 | 22,329 | 16,263 | 19,068 | 22,651 | 18,168 |
| Seeds | 586 | 656 | 587 | 799 | 945 | 652 | 701 | 807 | 638 |
| Fertilizer | 8 | 8 | 9 | 9 | 10 | 10 | 9 | 9 | 10 |
| Hired labor in kind | 1,071 | 1,123 | 1,182 | 1,256 | 1,330 | 1,345 | 1,170 | 1,194 | 1,272 |
| Harvesters' share | 4,666 | 5,515 | 4,565 | 4,360 | 5,843 | 3,996 | 4,510 | 5,685 | 4,284 |
| Threshers' share | 4,694 | 5,548 | 4,592 | 4,236 | 5,676 | 3,882 | 4,458 | 5,620 | 4,235 |
| Landowner's share | 6,069 | 6,789 | 6,081 | 5,217 | 6,174 | 4,257 | 5,620 | 6,467 | 5,109 |
| Caretaker/overseers wages | 541 | 567 | 597 | 850 | 899 | 910 | 707 | 721 | 768 |
| Rentals | 1,848 | 2,064 | 1,856 | 646 | 749 | 559 | 1,198 | 1,368 | 1,104 |
| Interest payment on crop loan | 415 | 457 | 502 | 367 | 403 | 444 | 390 | 429 | 471 |
| Irrigation fee | 366 | 409 | 366 | 254 | 300 | 207 | 306 | 352 | 278 |
| IMPUTED COSTS | 8,504 | 9,068 | 9,389 | 8,471 | 9,099 | 9,212 | 8,205 | 8,641 | 8,966 |
| Seeds | 382 | 427 | 383 | 292 | 345 | 238 | 335 | 385 | 304 |
| Fertilizer | 122 | 126 | 140 | 17 | 18 | 20 | 64 | 68 | 74 |
| Pesticides | 27 | 28 | 25 | 5 | 5 | 5 | 17 | 17 | 16 |
| Operator labor | 2,362 | 2,474 | 2,605 | 3,048 | 3,225 | 3,264 | 2,729 | 2,784 | 2,966 |
| Family labor | 2,147 | 2,250 | 2,369 | 1,878 | 1,987 | 2,011 | 1,733 | 1,768 | 1,883 |
| Exchange labor | 282 | 296 | 311 | 341 | 361 | 365 | 311 | 317 | 338 |
| Depreciation | 917 | 1,009 | 1,110 | 1,475 | 1,622 | 1,785 | 1,214 | 1,335 | 1,468 |
| Interest on operating capital | 1,302 | 1,382 | 1,480 | 1,150 | 1,221 | 1,307 | 1,216 | 1,291 | 1,382 |
| Rental value of owned land | 954 | 1,067 | 956 | 260 | 308 | 212 | 580 | 667 | 527 |
| Fuel & Oil | 6 | 6 | 6 | 4 | 5 | 4 | 5 | 5 | 5 |
| Transport cost of inputs | 2 | 2 | 2 | | | | 1 | 1 | 1 |
| Sacks and tying materials | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| TOTAL COSTS | 52,032 | 56,531 | 55,027 | 45,771 | 52,107 | 45,931 | 48,406 | 53,287 | 49,837 |
| GROSS RETURNS | 62,361 | 73,702 | 61,005 | 56,433 | 75,630 | 51,727 | 59,322 | 74,777 | 56,348 |
| RETURNS ABOVE CASH COSTS | 39,097 | 49,375 | 35,704 | 37,126 | 54,950 | 31,271 | 38,190 | 52,782 | 33,645 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 18,833 | 26,240 | 15,367 | 19,133 | 32,621 | 15,008 | 19,121 | 30,130 | 15,477 |
| NET RETURNS | 10,329 | 17,172 | 5,979 | 10,662 | 23,522 | 5,796 | 10,916 | 21,490 | 6,511 |
| NET PROFIT - COST RATIO | 0.20 | 0.30 | 0.11 | 0.23 | 0.45 | 0.13 | 0.23 | 0.40 | 0.13 |
| <i>Cost per kilogram (PhP)</i> | 14.05 | 14.45 | 15.22 | 13.59 | 13.66 | 12.14 | 13.71 | 13.78 | 13.51 |
| <i>Yield per hectare (kg)</i> | 3,703 | 3,912 | 3,615 | 3,368 | 3,815 | 3,784 | 3,531 | 3,868 | 3,690 |
| <i>Farmgate price (PhP/kg)</i> | 16.84 | 18.84 | 16.87 | 16.76 | 19.83 | 13.67 | 16.80 | 19.33 | 15.27 |

^{a/} all other cost items not elsewhere classified

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Table 6B. Irrigated Palay: Updated Average Costs of Production, by Season, CALABARZON, 2017 - 2019

| ITEM | DRY SEASON | | | WET SEASON | | | ANNUAL | | |
|--|-----------------------------|--------|--------|------------|--------|--------|--------|--------|--------|
| | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| | <i>(in PhP per hectare)</i> | | | | | | | | |
| CASH COSTS | 24,953 | 26,121 | 27,166 | 21,145 | 22,677 | 22,383 | 23,050 | 24,025 | 24,768 |
| Seeds | 1,103 | 1,235 | 1,106 | 1,130 | 1,337 | 922 | 1,119 | 1,288 | 1,017 |
| Fertilizer | 4,115 | 4,283 | 4,753 | 3,756 | 4,057 | 4,339 | 3,935 | 4,174 | 4,546 |
| Pesticides | 1,678 | 1,725 | 1,575 | 1,532 | 1,614 | 1,476 | 1,596 | 1,656 | 1,516 |
| Hired labor | 12,012 | 12,585 | 13,252 | 11,118 | 11,764 | 11,905 | 11,562 | 11,797 | 12,565 |
| Land tax | 281 | 283 | 286 | 100 | 101 | 102 | 192 | 194 | 196 |
| Caretaker/overseer's wages | 162 | 169 | 178 | 3 | 4 | 4 | 83 | 85 | 91 |
| Rentals | 426 | 447 | 470 | 171 | 181 | 183 | 300 | 306 | 326 |
| Fuel & Oil | 757 | 818 | 849 | 528 | 583 | 553 | 643 | 703 | 697 |
| Transport cost of inputs | 57 | 60 | 62 | 58 | 62 | 61 | 57 | 61 | 61 |
| Interest payment on crop loan | 258 | 284 | 312 | 333 | 366 | 403 | 294 | 323 | 356 |
| Irrigation fee | 567 | 635 | 569 | 627 | 743 | 512 | 598 | 688 | 544 |
| Sacks and tying materials | 342 | 355 | 367 | 297 | 314 | 319 | 320 | 335 | 344 |
| Electricity cost | 10 | 10 | 11 | | | | 4 | 4 | 4 |
| Food expense | 350 | 365 | 378 | 175 | 188 | 189 | 263 | 278 | 284 |
| Repairs | 2,834 | 2,866 | 2,998 | 1,318 | 1,364 | 1,416 | 2,083 | 2,132 | 2,221 |
| Others ^{a/} | 1 | 1 | 1 | | | | 1 | 1 | 1 |
| NON-CASH COSTS | 21,606 | 24,446 | 21,920 | 19,491 | 24,027 | 17,704 | 20,551 | 24,189 | 19,720 |
| Seeds | 503 | 563 | 504 | 708 | 838 | 578 | 606 | 697 | 551 |
| Hired labor in kind | 1,105 | 1,157 | 1,219 | 1,381 | 1,461 | 1,478 | 1,240 | 1,265 | 1,347 |
| Harvesters' share | 5,168 | 5,982 | 5,176 | 4,976 | 6,561 | 4,571 | 5,065 | 6,252 | 4,871 |
| Threshers' share | 5,280 | 6,112 | 5,289 | 4,803 | 6,334 | 4,413 | 5,046 | 6,229 | 4,853 |
| Landowner's share | 5,975 | 6,685 | 5,987 | 5,187 | 6,138 | 4,232 | 5,590 | 6,433 | 5,082 |
| Caretaker/overseers wages | 616 | 646 | 680 | 1,138 | 1,204 | 1,219 | 874 | 892 | 950 |
| Rentals | 2,069 | 2,314 | 2,074 | 678 | 781 | 596 | 1,372 | 1,568 | 1,263 |
| Interest payment on crop loan | 474 | 522 | 574 | 282 | 310 | 341 | 380 | 418 | 460 |
| Irrigation fee | 416 | 465 | 416 | 339 | 401 | 276 | 378 | 435 | 344 |
| IMPUTED COSTS | 8,724 | 9,309 | 9,627 | 6,856 | 7,351 | 7,540 | 7,496 | 7,910 | 8,202 |
| Seeds | 395 | 442 | 396 | 214 | 253 | 174 | 306 | 352 | 278 |
| Fertilizer | 130 | 135 | 150 | 14 | 15 | 17 | 72 | 77 | 84 |
| Pesticides | 30 | 31 | 28 | 8 | 8 | 8 | 20 | 21 | 19 |
| Operator labor | 2,799 | 2,933 | 3,088 | 2,395 | 2,534 | 2,564 | 2,299 | 2,346 | 2,498 |
| Family labor | 1,842 | 1,930 | 2,032 | 1,414 | 1,497 | 1,514 | 1,636 | 1,669 | 1,778 |
| Exchange labor | 141 | 148 | 156 | 115 | 122 | 123 | 128 | 131 | 139 |
| Depreciation | 928 | 1,021 | 1,123 | 1,338 | 1,472 | 1,619 | 1,130 | 1,243 | 1,367 |
| Interest on operating capital | 1,408 | 1,494 | 1,600 | 1,283 | 1,362 | 1,458 | 1,341 | 1,424 | 1,525 |
| Rental value of owned land | 1,044 | 1,168 | 1,046 | 69 | 81 | 56 | 557 | 641 | 506 |
| Fuel & Oil | 7 | 7 | 7 | 5 | 6 | 6 | 6 | 7 | 7 |
| Sacks and tying materials | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| TOTAL COSTS | 55,284 | 59,876 | 58,714 | 47,491 | 54,055 | 47,627 | 51,097 | 56,124 | 52,690 |
| GROSS RETURNS | 68,708 | 79,537 | 68,825 | 61,985 | 81,736 | 56,948 | 65,408 | 80,745 | 62,904 |
| RETURNS ABOVE CASH COSTS | 43,755 | 53,416 | 41,659 | 40,841 | 59,059 | 34,566 | 42,358 | 56,720 | 38,136 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 22,149 | 28,970 | 19,738 | 21,350 | 35,032 | 16,861 | 21,808 | 32,531 | 18,416 |
| NET RETURNS | 13,424 | 19,660 | 10,111 | 14,494 | 27,682 | 9,321 | 14,312 | 24,621 | 10,214 |
| NET PROFIT - COST RATIO | 0.24 | 0.33 | 0.17 | 0.31 | 0.51 | 0.20 | 0.28 | 0.44 | 0.19 |
| <i>Cost per kilogram (PhP)</i> | 13.55 | 14.18 | 14.39 | 12.84 | 13.11 | 11.43 | 13.12 | 13.44 | 12.79 |
| <i>Yield per hectare (kg)</i> | 4,080 | 4,222 | 4,079 | 3,700 | 4,123 | 4,165 | 3,893 | 4,176 | 4,119 |
| <i>Farmgate price (PhP/kg)</i> | 16.84 | 18.84 | 16.87 | 16.76 | 19.83 | 13.67 | 16.80 | 19.33 | 15.27 |

^{a/} all other cost items not elsewhere classified

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Table 6C. Non-Irrigated Palay: Updated Average Costs of Production, by Season, CALABARZON, 2017 - 2019

| ITEM | DRY SEASON | | | WET SEASON | | | ANNUAL | | |
|--|-----------------------------|--------|--------|------------|--------|---------|--------|--------|--------|
| | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| | <i>(in PhP per hectare)</i> | | | | | | | | |
| CASH COSTS | 11,936 | 12,426 | 12,947 | 14,762 | 15,733 | 15,783 | 13,634 | 14,092 | 14,696 |
| Seeds | 143 | 160 | 144 | 284 | 336 | 232 | 242 | 279 | 220 |
| Fertilizer | 1,129 | 1,136 | 1,207 | 2,267 | 2,444 | 2,610 | 1,729 | 1,812 | 1,955 |
| Pesticides | 584 | 600 | 548 | 896 | 944 | 863 | 800 | 830 | 760 |
| Hired labor | 6,964 | 7,296 | 7,682 | 8,906 | 9,424 | 9,536 | 8,242 | 8,409 | 8,956 |
| Land tax | 102 | 103 | 104 | 174 | 176 | 178 | 151 | 152 | 154 |
| Caretaker/overseer's wages | 170 | 178 | 187 | | | | 50 | 51 | 55 |
| Rentals | 128 | 134 | 142 | 348 | 386 | 338 | 284 | 303 | 291 |
| Fuel & Oil | 498 | 538 | 559 | 283 | 312 | 296 | 346 | 379 | 376 |
| Transport cost of inputs | 82 | 86 | 88 | 215 | 233 | 228 | 173 | 185 | 185 |
| Interest payment on crop loan | 47 | 52 | 57 | 61 | 67 | 73 | 56 | 61 | 67 |
| Sacks and tying materials | 335 | 348 | 359 | 310 | 328 | 334 | 319 | 334 | 343 |
| Electricity cost | | | | 41 | 45 | 43 | 29 | 32 | 32 |
| Food expense | 634 | 661 | 685 | 747 | 800 | 806 | 715 | 755 | 771 |
| Repairs | 1,072 | 1,084 | 1,135 | 229 | 237 | 246 | 483 | 494 | 515 |
| Others ^{a/} | 48 | 49 | 51 | | | | 15 | 15 | 16 |
| NON-CASH COSTS | 14,271 | 16,911 | 13,813 | 14,365 | 17,517 | 11,354 | 14,327 | 17,244 | 12,581 |
| Seeds | 1,191 | 1,333 | 1,194 | 1,068 | 1,263 | 871 | 1,099 | 1,265 | 999 |
| Fertilizer | 64 | 64 | 68 | 44 | 47 | 50 | 46 | 48 | 52 |
| Hired labor in kind | 841 | 881 | 928 | 886 | 937 | 948 | 873 | 890 | 948 |
| Harvesters' share | 2,981 | 3,934 | 2,637 | 2,954 | 3,839 | 1,985 | 2,947 | 3,861 | 2,291 |
| Threshers' share | 2,140 | 2,824 | 1,893 | 2,942 | 3,823 | 1,976 | 2,750 | 3,603 | 2,138 |
| Landowner's share | 6,802 | 7,610 | 6,816 | 5,306 | 6,279 | 4,330 | 5,717 | 6,580 | 5,198 |
| Rentals | 252 | 264 | 278 | 552 | 654 | 451 | 467 | 528 | 438 |
| Interest payment on crop loan | | | | 613 | 675 | 742 | 427 | 470 | 517 |
| IMPUTED COSTS | 9,182 | 9,713 | 10,173 | 14,515 | 15,610 | 15,519 | 12,902 | 13,468 | 14,050 |
| Seeds | 297 | 333 | 298 | 527 | 624 | 430 | 460 | 529 | 418 |
| Fertilizer | 67 | 67 | 71 | 29 | 31 | 33 | 38 | 39 | 42 |
| Pesticides | 9 | 9 | 8 | | | | 3 | 3 | 3 |
| Operator labor | 3,449 | 3,614 | 3,805 | 4,992 | 5,282 | 5,345 | 4,534 | 4,626 | 4,927 |
| Family labor | 2,783 | 2,916 | 3,071 | 4,599 | 4,866 | 4,924 | 4,059 | 4,142 | 4,411 |
| Exchange labor | 832 | 872 | 918 | 802 | 848 | 858 | 812 | 829 | 882 |
| Depreciation | 832 | 916 | 1,007 | 1,878 | 2,066 | 2,272 | 1,562 | 1,718 | 1,890 |
| Interest on operating capital | 584 | 620 | 664 | 864 | 917 | 982 | 752 | 799 | 855 |
| Rental value of owned land | 314 | 351 | 314 | 822 | 973 | 671 | 675 | 777 | 614 |
| Transport cost of inputs | 15 | 16 | 17 | 1 | 1 | 1 | 5 | 6 | 6 |
| Sacks and tying materials | | | | 2 | 2 | 2 | 1 | 1 | 1 |
| TOTAL COSTS | 35,389 | 39,050 | 36,932 | 43,642 | 48,860 | 42,656 | 40,862 | 44,805 | 41,327 |
| GROSS RETURNS | 43,312 | 57,164 | 38,311 | 44,400 | 57,694 | 29,828 | 43,958 | 57,586 | 34,172 |
| RETURNS ABOVE CASH COSTS | 31,376 | 44,738 | 25,364 | 29,638 | 41,961 | 14,044 | 30,323 | 43,494 | 19,476 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 17,105 | 27,827 | 11,551 | 15,273 | 24,444 | 2,691 | 15,997 | 26,250 | 6,896 |
| NET RETURNS | 7,922 | 18,114 | 1,379 | 757 | 8,833 | -12,829 | 3,095 | 12,782 | -7,154 |
| NET PROFIT - COST RATIO | 0.22 | 0.46 | 0.04 | 0.02 | 0.18 | -0.30 | 0.08 | 0.29 | -0.17 |
| <i>Cost per kilogram (PhP)</i> | 13.76 | 12.87 | 16.27 | 16.47 | 16.79 | 19.55 | 15.62 | 15.04 | 18.47 |
| <i>Yield per hectare (kg)</i> | 2,572 | 3,034 | 2,271 | 2,650 | 2,910 | 2,182 | 2,617 | 2,979 | 2,238 |
| <i>Farmgate price (PhP/kg)</i> | 16.84 | 18.84 | 16.87 | 16.76 | 19.83 | 13.67 | 16.80 | 19.33 | 15.27 |

^{a/} all other cost items not elsewhere classified

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Table 7A. All Palay: Updated Average Costs of Production, by Season, MIMAROPA Region, 2017 - 2019

| ITEM | DRY SEASON | | | WET SEASON | | | ANNUAL | | |
|--|-----------------------------|--------|--------|------------|--------|--------|--------|--------|--------|
| | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| | <i>(in PhP per hectare)</i> | | | | | | | | |
| CASH COSTS | 20,986 | 23,456 | 24,329 | 25,161 | 27,978 | 28,764 | 22,724 | 25,703 | 26,568 |
| Seeds | 1,292 | 1,432 | 1,361 | 1,675 | 1,941 | 1,523 | 1,535 | 1,738 | 1,508 |
| Fertilizer | 4,368 | 4,569 | 4,900 | 4,235 | 4,680 | 4,935 | 4,294 | 4,618 | 4,909 |
| Pesticides | 1,536 | 1,621 | 1,583 | 1,749 | 1,637 | 1,859 | 1,637 | 1,597 | 1,744 |
| Hired labor | 7,788 | 9,551 | 9,970 | 11,057 | 12,908 | 13,527 | 8,994 | 11,160 | 11,643 |
| Land tax | 258 | 261 | 263 | 166 | 168 | 170 | 203 | 205 | 207 |
| Caretaker/overseer's wages | 2 | 3 | 3 | 91 | 106 | 111 | 51 | 64 | 67 |
| Rentals | 388 | 451 | 449 | 186 | 216 | 187 | 263 | 310 | 291 |
| Fuel & Oil | 1,397 | 1,422 | 1,448 | 1,387 | 1,390 | 1,431 | 1,394 | 1,407 | 1,441 |
| Transport cost of inputs | 105 | 108 | 113 | 202 | 213 | 226 | 162 | 169 | 177 |
| Interest payment on crop loan | 947 | 1,042 | 1,146 | 1,019 | 1,121 | 1,233 | 989 | 1,087 | 1,196 |
| Irrigation fee | 243 | 269 | 256 | 287 | 332 | 260 | 271 | 307 | 266 |
| Sacks and tying materials | 518 | 538 | 565 | 615 | 654 | 673 | 576 | 606 | 629 |
| Food expense | 769 | 808 | 843 | 802 | 876 | 863 | 789 | 846 | 858 |
| Repairs | 1,374 | 1,381 | 1,429 | 1,684 | 1,729 | 1,759 | 1,561 | 1,585 | 1,627 |
| Others ^{a/} | | | | 7 | 8 | 8 | 4 | 4 | 5 |
| NON-CASH COSTS | 16,223 | 18,147 | 17,171 | 15,125 | 18,247 | 15,638 | 15,471 | 18,144 | 16,410 |
| Seeds | 866 | 960 | 912 | 926 | 1,073 | 842 | 909 | 1,030 | 893 |
| Fertilizer | 101 | 105 | 113 | 31 | 34 | 36 | 60 | 65 | 69 |
| Pesticides | 52 | 55 | 54 | 4 | 3 | 4 | 23 | 22 | 24 |
| Hired labor in kind | 1,171 | 1,436 | 1,499 | 1,336 | 1,560 | 1,635 | 1,213 | 1,505 | 1,570 |
| Harvesters' share | 2,914 | 3,194 | 2,835 | 2,593 | 3,264 | 2,638 | 2,730 | 3,236 | 2,788 |
| Threshers' share | 3,667 | 4,020 | 3,568 | 4,699 | 5,915 | 4,781 | 4,308 | 5,106 | 4,400 |
| Landowner's share | 4,675 | 5,180 | 4,924 | 2,558 | 2,964 | 2,325 | 3,397 | 3,848 | 3,338 |
| Caretaker/overseers wages | 943 | 1,156 | 1,207 | 1,314 | 1,534 | 1,608 | 1,109 | 1,376 | 1,436 |
| Other permanent employee's salary | 42 | 51 | 53 | 233 | 271 | 284 | 146 | 181 | 189 |
| Rentals | 564 | 632 | 608 | 842 | 976 | 794 | 734 | 840 | 746 |
| Interest payment on crop loan | 650 | 715 | 786 | 518 | 570 | 627 | 572 | 630 | 693 |
| Irrigation fee | 580 | 643 | 611 | 71 | 82 | 64 | 269 | 304 | 264 |
| IMPUTED COSTS | 11,136 | 12,847 | 13,111 | 11,832 | 13,510 | 12,672 | 11,452 | 13,261 | 13,011 |
| Seeds | 282 | 312 | 297 | 31 | 36 | 28 | 129 | 146 | 126 |
| Fertilizer | | | | 133 | 147 | 155 | 78 | 83 | 89 |
| Pesticides | 20 | 21 | 21 | 2 | 2 | 2 | 9 | 9 | 10 |
| Operator labor | 3,034 | 3,721 | 3,885 | 1,941 | 2,266 | 2,375 | 2,301 | 2,855 | 2,978 |
| Family labor | 1,736 | 2,129 | 2,223 | 1,582 | 1,847 | 1,936 | 1,591 | 1,974 | 2,060 |
| Exchange labor | 156 | 191 | 199 | 193 | 226 | 237 | 172 | 213 | 223 |
| Depreciation | 979 | 1,077 | 1,184 | 1,195 | 1,315 | 1,447 | 1,106 | 1,217 | 1,338 |
| Interest on operating capital | 1,274 | 1,352 | 1,448 | 1,452 | 1,542 | 1,651 | 1,379 | 1,463 | 1,567 |
| Rental value of owned land | 3,548 | 3,931 | 3,737 | 5,173 | 5,993 | 4,701 | 4,567 | 5,173 | 4,487 |
| Fuel & Oil | | | | 3 | 3 | 3 | 2 | 2 | 2 |
| Transport cost of inputs | | | | 5 | 6 | 6 | 3 | 3 | 3 |
| Sacks and tying materials | 107 | 111 | 117 | 120 | 128 | 132 | 117 | 123 | 127 |
| TOTAL COSTS | 48,345 | 54,450 | 54,611 | 52,118 | 59,736 | 57,074 | 49,648 | 57,108 | 55,989 |
| GROSS RETURNS | 71,689 | 78,589 | 69,750 | 65,619 | 82,598 | 66,756 | 68,298 | 80,948 | 69,746 |
| RETURNS ABOVE CASH COSTS | 50,703 | 55,133 | 45,421 | 40,458 | 54,620 | 37,992 | 45,574 | 55,245 | 43,178 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 34,480 | 36,986 | 28,250 | 25,333 | 36,373 | 22,354 | 30,102 | 37,101 | 26,768 |
| NET RETURNS | 23,344 | 24,139 | 15,139 | 13,501 | 22,863 | 9,682 | 18,650 | 23,840 | 13,757 |
| NET PROFIT - COST RATIO | 0.48 | 0.44 | 0.28 | 0.26 | 0.38 | 0.17 | 0.38 | 0.42 | 0.25 |
| <i>Cost per kilogram (PhP)</i> | 12.27 | 13.97 | 15.01 | 13.83 | 14.60 | 13.54 | 12.95 | 14.23 | 14.05 |
| <i>Yield per hectare (kg)</i> | 3,939 | 3,897 | 3,639 | 3,767 | 4,093 | 4,217 | 3,835 | 4,012 | 3,985 |
| <i>Farmgate price (PhP/kg)</i> | 18.20 | 20.17 | 19.17 | 17.42 | 20.18 | 15.83 | 17.81 | 20.17 | 17.50 |

^{a/} all other cost items not elsewhere classified

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Table 7B. Irrigated Palay: Updated Average Costs of Production, by Season, MIMAROPA Region, 2017 - 2019

| ITEM | DRY SEASON | | | WET SEASON | | | ANNUAL | | |
|--|-----------------------------|--------|--------|------------|--------|--------|--------|--------|--------|
| | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| | <i>(in PhP per hectare)</i> | | | | | | | | |
| CASH COSTS | 23,157 | 25,891 | 26,850 | 27,917 | 30,990 | 31,858 | 25,041 | 27,745 | 28,672 |
| Seeds | 1,448 | 1,605 | 1,525 | 1,588 | 1,840 | 1,444 | 1,522 | 1,724 | 1,495 |
| Fertilizer | 4,832 | 5,083 | 5,446 | 4,549 | 5,020 | 5,290 | 4,691 | 5,059 | 5,375 |
| Pesticides | 1,671 | 1,764 | 1,723 | 2,057 | 1,926 | 2,186 | 1,830 | 1,786 | 1,950 |
| Hired labor | 8,449 | 10,361 | 10,816 | 12,222 | 14,267 | 14,952 | 9,877 | 11,682 | 12,188 |
| Land tax | 253 | 256 | 258 | 159 | 161 | 162 | 207 | 209 | 211 |
| Caretaker/overseer's wages | 2 | 3 | 3 | 105 | 122 | 128 | 49 | 61 | 64 |
| Rentals | 456 | 529 | 527 | 267 | 309 | 264 | 358 | 420 | 394 |
| Fuel & Oil | 1,615 | 1,644 | 1,674 | 1,421 | 1,424 | 1,466 | 1,523 | 1,537 | 1,574 |
| Transport cost of inputs | 116 | 119 | 124 | 277 | 292 | 310 | 195 | 204 | 214 |
| Interest payment on crop loan | 1,123 | 1,235 | 1,359 | 990 | 1,089 | 1,198 | 1,056 | 1,162 | 1,278 |
| Irrigation fee | 292 | 323 | 307 | 521 | 604 | 474 | 408 | 462 | 401 |
| Sacks and tying materials | 570 | 592 | 621 | 630 | 670 | 689 | 599 | 630 | 654 |
| Food expense | 753 | 792 | 826 | 733 | 801 | 789 | 742 | 796 | 806 |
| Repairs | 1,578 | 1,586 | 1,641 | 2,383 | 2,447 | 2,489 | 1,975 | 2,006 | 2,059 |
| Others ^{a/} | | | | 16 | 17 | 17 | 7 | 8 | 8 |
| NON-CASH COSTS | 16,871 | 18,841 | 17,837 | 14,385 | 17,328 | 14,964 | 15,475 | 18,062 | 16,368 |
| Seeds | 744 | 824 | 783 | 1,011 | 1,171 | 919 | 880 | 997 | 865 |
| Fertilizer | 183 | 193 | 207 | 365 | 402 | 424 | 274 | 296 | 314 |
| Pesticides | 65 | 69 | 67 | 7 | 6 | 7 | 36 | 35 | 38 |
| Hired labor in kind | 1,285 | 1,575 | 1,644 | 1,611 | 1,881 | 1,971 | 1,389 | 1,724 | 1,798 |
| Harvesters' share | 2,870 | 3,122 | 2,746 | 2,330 | 2,917 | 2,371 | 2,593 | 3,039 | 2,607 |
| Threshers' share | 3,832 | 4,169 | 3,668 | 4,711 | 5,899 | 4,795 | 4,253 | 4,985 | 4,275 |
| Landowner's share | 4,564 | 5,058 | 4,808 | 2,319 | 2,687 | 2,108 | 3,428 | 3,883 | 3,369 |
| Caretaker/overseers wages | 1,140 | 1,398 | 1,459 | 1,089 | 1,272 | 1,333 | 1,077 | 1,336 | 1,394 |
| Other permanent employee's salary | 46 | 56 | 59 | 425 | 496 | 520 | 217 | 269 | 281 |
| Rentals | 674 | 756 | 727 | 313 | 364 | 308 | 488 | 560 | 502 |
| Interest payment on crop loan | 777 | 855 | 940 | 75 | 83 | 91 | 434 | 478 | 526 |
| Irrigation fee | 692 | 766 | 728 | 129 | 149 | 117 | 406 | 460 | 399 |
| IMPUTED COSTS | 10,973 | 12,625 | 12,889 | 13,214 | 15,076 | 13,757 | 11,986 | 13,806 | 13,435 |
| Seeds | 298 | 330 | 314 | 7 | 9 | 7 | 151 | 171 | 148 |
| Fertilizer | | | | 231 | 255 | 269 | 112 | 120 | 128 |
| Pesticides | 28 | 30 | 29 | | | | 12 | 12 | 13 |
| Operator labor | 3,022 | 3,705 | 3,868 | 1,685 | 1,967 | 2,062 | 2,273 | 2,820 | 2,943 |
| Family labor | 1,434 | 1,759 | 1,836 | 1,170 | 1,366 | 1,432 | 1,256 | 1,559 | 1,626 |
| Exchange labor | 188 | 231 | 241 | 28 | 33 | 34 | 104 | 130 | 135 |
| Depreciation | 1,003 | 1,103 | 1,214 | 1,281 | 1,410 | 1,550 | 1,140 | 1,254 | 1,379 |
| Interest on operating capital | 1,398 | 1,484 | 1,589 | 1,588 | 1,686 | 1,805 | 1,489 | 1,581 | 1,693 |
| Rental value of owned land | 3,486 | 3,863 | 3,672 | 7,042 | 8,160 | 6,401 | 5,302 | 6,006 | 5,210 |
| Transport cost of inputs | | | | 5 | 6 | 6 | 2 | 2 | 2 |
| Sacks and tying materials | 115 | 120 | 126 | 175 | 186 | 191 | 144 | 151 | 157 |
| TOTAL COSTS | 51,001 | 57,357 | 57,576 | 55,515 | 63,393 | 60,579 | 52,502 | 59,613 | 58,474 |
| GROSS RETURNS | 75,940 | 82,613 | 72,673 | 69,357 | 86,852 | 70,598 | 72,435 | 84,904 | 72,822 |
| RETURNS ABOVE CASH COSTS | 52,783 | 56,721 | 45,823 | 41,440 | 55,862 | 38,740 | 47,394 | 57,159 | 44,150 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 35,912 | 37,881 | 27,986 | 27,055 | 38,534 | 23,776 | 31,918 | 39,097 | 27,782 |
| NET RETURNS | 24,939 | 25,255 | 15,097 | 13,841 | 23,459 | 10,019 | 19,932 | 25,291 | 14,347 |
| NET PROFIT - COST RATIO | 0.49 | 0.44 | 0.26 | 0.25 | 0.37 | 0.17 | 0.38 | 0.42 | 0.25 |
| Cost per kilogram (PhP) | 12.22 | 14.00 | 15.19 | 13.94 | 14.73 | 13.58 | 12.91 | 14.16 | 14.05 |
| Yield per hectare (kg) | 4,173 | 4,096 | 3,791 | 3,982 | 4,304 | 4,459 | 4,067 | 4,209 | 4,161 |
| Farmgate price (PhP/kg) | 18.20 | 20.17 | 19.17 | 17.42 | 20.18 | 15.83 | 17.81 | 20.17 | 17.50 |

^{a/} all other cost items not elsewhere classified

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Table 7C. Non-Irrigated Palay: Updated Average Costs of Production, by Season, MIMAROPA Region, 2017 - 2019

| ITEM | DRY SEASON | | | WET SEASON | | | ANNUAL | | |
|--|-----------------------------|--------|--------|------------|--------|--------|--------|--------|--------|
| | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| | <i>(in PhP per hectare)</i> | | | | | | | | |
| CASH COSTS | 10,528 | 11,854 | 12,309 | 21,978 | 24,479 | 25,177 | 19,107 | 21,745 | 22,486 |
| Seeds | 507 | 562 | 534 | 1,778 | 2,060 | 1,616 | 1,563 | 1,770 | 1,535 |
| Fertilizer | 2,198 | 2,294 | 2,459 | 4,331 | 4,792 | 5,058 | 3,521 | 3,782 | 4,022 |
| Pesticides | 877 | 926 | 905 | 1,376 | 1,288 | 1,462 | 1,262 | 1,231 | 1,344 |
| Hired labor | 4,576 | 5,612 | 5,858 | 9,328 | 10,889 | 11,412 | 8,171 | 10,138 | 10,577 |
| Land tax | 281 | 283 | 286 | 174 | 176 | 178 | 197 | 199 | 201 |
| Caretaker/overseer's wages | | | | 75 | 88 | 92 | 57 | 70 | 73 |
| Rentals | 59 | 72 | 75 | 84 | 97 | 89 | 78 | 93 | 90 |
| Fuel & Oil | 357 | 363 | 370 | 1,349 | 1,352 | 1,392 | 1,145 | 1,156 | 1,184 |
| Transport cost of inputs | 48 | 49 | 51 | 109 | 115 | 122 | 96 | 100 | 105 |
| Interest payment on crop loan | 110 | 121 | 133 | 1,051 | 1,157 | 1,272 | 854 | 940 | 1,034 |
| Sacks and tying materials | 271 | 281 | 295 | 597 | 635 | 654 | 531 | 558 | 580 |
| Food expense | 843 | 887 | 924 | 883 | 966 | 951 | 881 | 944 | 957 |
| Repairs | 401 | 403 | 417 | 841 | 864 | 879 | 752 | 764 | 784 |
| NON-CASH COSTS | 14,718 | 16,636 | 15,723 | 16,180 | 19,505 | 16,639 | 15,778 | 18,690 | 16,958 |
| Seeds | 1,568 | 1,738 | 1,652 | 823 | 953 | 748 | 965 | 1,093 | 948 |
| Fertilizer | | | | 7 | 8 | 9 | 6 | 6 | 7 |
| Hired labor in kind | 620 | 761 | 794 | 1,001 | 1,169 | 1,225 | 869 | 1,078 | 1,125 |
| Harvesters' share | 3,734 | 4,272 | 3,968 | 2,825 | 3,579 | 2,860 | 2,978 | 3,622 | 3,167 |
| Threshers' share | 3,249 | 3,717 | 3,453 | 4,548 | 5,762 | 4,604 | 4,373 | 5,319 | 4,650 |
| Landowner's share | 5,478 | 6,070 | 5,770 | 2,848 | 3,300 | 2,589 | 3,345 | 3,789 | 3,287 |
| Caretaker/overseers wages | | | | 1,587 | 1,853 | 1,942 | 1,174 | 1,457 | 1,520 |
| Other permanent employee's salary | 24 | 30 | 31 | | | | 4 | 5 | 5 |
| Rentals | | | | 1,484 | 1,721 | 1,386 | 1,218 | 1,389 | 1,224 |
| Interest payment on crop loan | 44 | 48 | 53 | 1,055 | 1,161 | 1,277 | 846 | 930 | 1,023 |
| IMPUTED COSTS | 11,106 | 12,885 | 13,086 | 10,182 | 11,637 | 11,386 | 10,421 | 12,211 | 12,198 |
| Seeds | 198 | 220 | 209 | 58 | 67 | 53 | 84 | 95 | 82 |
| Fertilizer | | | | 13 | 14 | 15 | 10 | 11 | 12 |
| Pesticides | | | | 3 | 3 | 3 | 2 | 2 | 3 |
| Operator labor | 3,090 | 3,789 | 3,955 | 2,247 | 2,623 | 2,749 | 2,359 | 2,927 | 3,054 |
| Family labor | 2,167 | 2,657 | 2,774 | 2,075 | 2,423 | 2,539 | 2,245 | 2,786 | 2,907 |
| Exchange labor | 3 | 4 | 4 | 393 | 459 | 481 | 307 | 381 | 398 |
| Depreciation | 859 | 945 | 1,040 | 1,089 | 1,198 | 1,318 | 1,041 | 1,145 | 1,259 |
| Interest on operating capital | 683 | 725 | 776 | 1,330 | 1,412 | 1,512 | 1,170 | 1,242 | 1,330 |
| Rental value of owned land | 4,037 | 4,474 | 4,253 | 2,901 | 3,361 | 2,637 | 3,130 | 3,546 | 3,076 |
| Fuel & Oil | | | | 7 | 7 | 8 | 6 | 6 | 6 |
| Transport cost of inputs | | | | 6 | 7 | 7 | 5 | 5 | 6 |
| Sacks and tying materials | 69 | 71 | 75 | 59 | 62 | 64 | 60 | 64 | 66 |
| TOTAL COSTS | 36,352 | 41,375 | 41,117 | 48,340 | 55,621 | 53,201 | 45,307 | 52,646 | 51,642 |
| GROSS RETURNS | 56,556 | 64,703 | 60,109 | 59,337 | 75,162 | 60,067 | 59,205 | 72,010 | 62,960 |
| RETURNS ABOVE CASH COSTS | 46,028 | 52,850 | 47,800 | 37,359 | 50,683 | 34,890 | 40,097 | 50,264 | 40,474 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 31,310 | 36,213 | 32,078 | 21,179 | 31,179 | 18,251 | 24,319 | 31,575 | 23,516 |
| NET RETURNS | 20,204 | 23,328 | 18,992 | 10,997 | 19,542 | 6,865 | 13,897 | 19,364 | 11,318 |
| NET PROFIT - COST RATIO | 0.56 | 0.56 | 0.46 | 0.23 | 0.35 | 0.13 | 0.31 | 0.37 | 0.22 |
| <i>Cost per kilogram (PhP)</i> | 11.70 | 12.90 | 13.11 | 14.19 | 14.93 | 14.02 | 13.63 | 14.75 | 14.35 |
| <i>Yield per hectare (kg)</i> | 3,108 | 3,208 | 3,136 | 3,407 | 3,724 | 3,794 | 3,324 | 3,569 | 3,598 |
| <i>Farmgate price (PhP/kg)</i> | 18.20 | 20.17 | 19.17 | 17.42 | 20.18 | 15.83 | 17.81 | 20.17 | 17.50 |

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Table 8A. All Palay: Updated Average Costs of Production, by Season, Bicol Region, 2017 - 2019

| ITEM | DRY SEASON | | | WET SEASON | | | ANNUAL | | |
|--|-----------------------------|--------|--------|------------|--------|--------|--------|--------|--------|
| | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| | <i>(in PhP per hectare)</i> | | | | | | | | |
| CASH COSTS | 15,948 | 17,049 | 17,917 | 16,650 | 18,026 | 17,977 | 15,832 | 17,540 | 17,944 |
| Seeds | 987 | 1,119 | 1,007 | 1,076 | 1,218 | 910 | 1,030 | 1,167 | 961 |
| Fertilizer | 2,977 | 3,005 | 3,398 | 2,625 | 2,841 | 3,045 | 2,802 | 2,929 | 3,224 |
| Pesticides | 571 | 576 | 556 | 663 | 653 | 621 | 602 | 611 | 577 |
| Hired labor | 7,365 | 8,053 | 8,497 | 8,617 | 9,330 | 9,422 | 7,575 | 8,674 | 8,948 |
| Land tax | 140 | 141 | 143 | 116 | 117 | 119 | 129 | 130 | 131 |
| Caretaker/overseer's wages | 34 | 37 | 39 | 29 | 32 | 32 | 29 | 34 | 35 |
| Rentals | 1,003 | 1,097 | 1,156 | 929 | 1,006 | 1,016 | 929 | 1,064 | 1,097 |
| Fuel & Oil | 303 | 309 | 323 | 251 | 272 | 281 | 277 | 291 | 302 |
| Transport cost of inputs | 139 | 144 | 149 | 133 | 140 | 142 | 137 | 143 | 146 |
| Interest payment on crop loan | 76 | 84 | 92 | 69 | 76 | 83 | 71 | 79 | 86 |
| Irrigation fee | 152 | 172 | 155 | 146 | 165 | 123 | 149 | 169 | 139 |
| Sacks and tying materials | 442 | 465 | 483 | 422 | 459 | 466 | 432 | 462 | 475 |
| Electricity cost | 16 | 16 | 17 | 3 | 3 | 3 | 9 | 9 | 10 |
| Food expense | 772 | 826 | 849 | 822 | 919 | 900 | 798 | 873 | 875 |
| Repairs | 952 | 984 | 1,032 | 741 | 787 | 805 | 850 | 891 | 922 |
| Others ^{a/} | 19 | 20 | 21 | 8 | 9 | 9 | 14 | 15 | 16 |
| NON-CASH COSTS | 10,631 | 12,070 | 10,650 | 11,407 | 13,046 | 10,270 | 10,944 | 12,565 | 10,507 |
| Seeds | 601 | 681 | 613 | 584 | 661 | 494 | 593 | 672 | 553 |
| Fertilizer | 11 | 11 | 13 | 29 | 32 | 34 | 21 | 22 | 24 |
| Hired labor in kind | 526 | 575 | 607 | 409 | 443 | 447 | 451 | 516 | 532 |
| Harvesters' share | 2,669 | 3,080 | 2,448 | 2,472 | 2,912 | 2,100 | 2,573 | 3,000 | 2,283 |
| Threshers' share | 2,123 | 2,450 | 1,947 | 2,585 | 3,045 | 2,196 | 2,348 | 2,738 | 2,084 |
| Landowner's share | 2,666 | 3,024 | 2,720 | 3,038 | 3,439 | 2,570 | 2,849 | 3,228 | 2,657 |
| Caretaker/overseers wages | 543 | 594 | 626 | 502 | 543 | 549 | 502 | 574 | 592 |
| Rentals | 886 | 983 | 975 | 1,145 | 1,260 | 1,152 | 986 | 1,124 | 1,071 |
| Interest payment on crop loan | 436 | 479 | 527 | 506 | 556 | 612 | 468 | 515 | 567 |
| Irrigation fee | 170 | 193 | 174 | 138 | 156 | 117 | 154 | 175 | 144 |
| IMPUTED COSTS | 9,806 | 10,810 | 10,952 | 11,127 | 12,153 | 11,694 | 10,556 | 11,952 | 11,801 |
| Seeds | 125 | 142 | 128 | 142 | 161 | 121 | 132 | 150 | 124 |
| Fertilizer | 10 | 10 | 11 | 6 | 7 | 7 | 8 | 8 | 9 |
| Pesticides | | | | 1 | 1 | 1 | 1 | 1 | 1 |
| Operator labor | 2,612 | 2,856 | 3,013 | 3,212 | 3,478 | 3,512 | 2,758 | 3,158 | 3,257 |
| Family labor | 2,833 | 3,098 | 3,268 | 4,001 | 4,332 | 4,374 | 3,660 | 4,191 | 4,324 |
| Exchange labor | 74 | 81 | 86 | 62 | 68 | 68 | 66 | 76 | 78 |
| Depreciation | 536 | 590 | 649 | 554 | 610 | 671 | 545 | 599 | 659 |
| Interest on operating capital | 922 | 979 | 1,048 | 946 | 1,004 | 1,075 | 932 | 989 | 1,059 |
| Rental value of owned land | 2,686 | 3,046 | 2,740 | 2,196 | 2,487 | 1,858 | 2,447 | 2,773 | 2,282 |
| Transport cost of inputs | b/ | b/ | b/ | | | | b/ | b/ | b/ |
| Sacks and tying materials | 8 | 9 | 9 | 6 | 7 | 7 | 7 | 8 | 8 |
| TOTAL COSTS | 36,385 | 39,929 | 39,519 | 39,185 | 43,225 | 39,941 | 37,332 | 42,057 | 40,251 |
| GROSS RETURNS | 59,632 | 68,813 | 54,695 | 59,569 | 70,156 | 50,606 | 59,594 | 69,485 | 52,879 |
| RETURNS ABOVE CASH COSTS | 43,684 | 51,764 | 36,778 | 42,919 | 52,130 | 32,629 | 43,762 | 51,944 | 34,936 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 33,053 | 39,694 | 26,128 | 31,511 | 39,084 | 22,359 | 32,817 | 39,380 | 24,428 |
| NET RETURNS | 23,246 | 28,884 | 15,177 | 20,384 | 26,931 | 10,666 | 22,262 | 27,427 | 12,628 |
| NET PROFIT - COST RATIO | 0.64 | 0.72 | 0.38 | 0.52 | 0.62 | 0.27 | 0.60 | 0.65 | 0.31 |
| <i>Cost per kilogram (PhP)</i> | 9.89 | 10.66 | 11.94 | 10.71 | 11.35 | 10.87 | 10.17 | 11.14 | 11.53 |
| <i>Yield per hectare (kg)</i> | 3,680 | 3,745 | 3,309 | 3,660 | 3,807 | 3,676 | 3,670 | 3,776 | 3,491 |
| <i>Farmgate price (PhP/kg)</i> | 16.21 | 18.38 | 16.53 | 16.28 | 18.43 | 13.77 | 16.24 | 18.40 | 15.15 |

a/ all other cost items not elsewhere classified

b/ Less than PhP 1

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Table 8B. Irrigated Palay: Updated Average Costs of Production, by Season, Bicol Region, 2017 - 2019

| ITEM | DRY SEASON | | | WET SEASON | | | ANNUAL | | |
|--|-----------------------------|--------|--------|------------|--------|--------|--------|--------|--------|
| | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| | <i>(in PhP per hectare)</i> | | | | | | | | |
| CASH COSTS | 18,760 | 20,103 | 21,138 | 18,782 | 20,388 | 20,361 | 18,192 | 20,209 | 20,694 |
| Seeds | 902 | 1,023 | 920 | 944 | 1,069 | 798 | 923 | 1,045 | 861 |
| Fertilizer | 3,404 | 3,475 | 3,922 | 2,863 | 3,145 | 3,370 | 3,129 | 3,314 | 3,644 |
| Pesticides | 650 | 655 | 632 | 759 | 747 | 711 | 686 | 697 | 657 |
| Hired labor | 9,032 | 9,877 | 10,421 | 10,080 | 10,914 | 11,022 | 9,034 | 10,344 | 10,671 |
| Land tax | 116 | 117 | 119 | 107 | 108 | 109 | 112 | 113 | 114 |
| Caretaker/overseer's wages | 27 | 29 | 31 | 16 | 18 | 18 | 20 | 23 | 24 |
| Rentals | 980 | 1,072 | 1,130 | 783 | 848 | 857 | 849 | 972 | 1,002 |
| Fuel & Oil | 390 | 397 | 415 | 267 | 289 | 299 | 328 | 344 | 358 |
| Transport cost of inputs | 151 | 157 | 162 | 146 | 153 | 155 | 148 | 154 | 158 |
| Interest payment on crop loan | 131 | 144 | 158 | 119 | 130 | 143 | 125 | 137 | 151 |
| Irrigation fee | 313 | 354 | 319 | 296 | 336 | 251 | 304 | 345 | 284 |
| Sacks and tying materials | 430 | 452 | 470 | 443 | 482 | 490 | 437 | 467 | 480 |
| Electricity cost | 24 | 25 | 26 | 5 | 5 | 6 | 15 | 16 | 16 |
| Food expense | 1,054 | 1,128 | 1,159 | 1,250 | 1,398 | 1,369 | 1,152 | 1,261 | 1,264 |
| Repairs | 1,125 | 1,162 | 1,219 | 685 | 727 | 744 | 906 | 950 | 984 |
| Others ^{a/} | 34 | 35 | 37 | 18 | 20 | 20 | 25 | 26 | 27 |
| NON-CASH COSTS | 11,204 | 12,803 | 11,302 | 11,914 | 13,624 | 10,857 | 11,495 | 13,215 | 11,113 |
| Seeds | 666 | 755 | 679 | 608 | 688 | 514 | 638 | 723 | 595 |
| Fertilizer | 1 | 1 | 1 | 10 | 11 | 12 | 6 | 6 | 7 |
| Hired labor in kind | 626 | 684 | 722 | 570 | 617 | 623 | 574 | 657 | 678 |
| Harvesters' share | 3,101 | 3,629 | 2,886 | 2,600 | 3,071 | 2,250 | 2,853 | 3,355 | 2,574 |
| Threshers' share | 1,624 | 1,900 | 1,511 | 2,195 | 2,592 | 1,899 | 1,903 | 2,238 | 1,717 |
| Landowner's share | 3,011 | 3,414 | 3,071 | 3,196 | 3,619 | 2,704 | 3,101 | 3,514 | 2,893 |
| Caretaker/overseers wages | 347 | 379 | 400 | 305 | 331 | 334 | 313 | 358 | 369 |
| Rentals | 728 | 818 | 769 | 1,224 | 1,360 | 1,163 | 956 | 1,087 | 975 |
| Interest payment on crop loan | 745 | 820 | 902 | 928 | 1,021 | 1,123 | 836 | 920 | 1,012 |
| Irrigation fee | 355 | 402 | 362 | 278 | 315 | 235 | 315 | 357 | 294 |
| IMPUTED COSTS | 9,930 | 10,926 | 11,147 | 10,843 | 11,813 | 11,551 | 10,043 | 11,357 | 11,316 |
| Seeds | 157 | 178 | 160 | 233 | 263 | 197 | 194 | 219 | 181 |
| Fertilizer | 8 | 8 | 9 | | | | 4 | 4 | 4 |
| Pesticides | | | | 2 | 2 | 2 | 1 | 1 | 1 |
| Operator labor | 2,384 | 2,607 | 2,750 | 3,352 | 3,629 | 3,665 | 2,713 | 3,107 | 3,205 |
| Family labor | 3,322 | 3,632 | 3,832 | 3,995 | 4,325 | 4,368 | 3,469 | 3,973 | 4,098 |
| Exchange labor | 63 | 69 | 72 | 122 | 132 | 133 | 89 | 101 | 105 |
| Depreciation | 626 | 688 | 757 | 612 | 673 | 741 | 617 | 679 | 747 |
| Interest on operating capital | 1,076 | 1,142 | 1,223 | 1,046 | 1,110 | 1,189 | 1,063 | 1,128 | 1,208 |
| Rental value of owned land | 2,281 | 2,587 | 2,327 | 1,469 | 1,663 | 1,243 | 1,879 | 2,129 | 1,753 |
| Transport cost of inputs | b/ | b/ | b/ | | | | b/ | b/ | b/ |
| Sacks and tying materials | 14 | 15 | 16 | 12 | 13 | 14 | 13 | 14 | 15 |
| TOTAL COSTS | 39,894 | 43,831 | 43,587 | 41,539 | 45,825 | 42,768 | 39,729 | 44,781 | 43,123 |
| GROSS RETURNS | 64,549 | 75,521 | 60,062 | 63,695 | 75,224 | 55,119 | 64,094 | 75,365 | 57,827 |
| RETURNS ABOVE CASH COSTS | 45,788 | 55,419 | 38,923 | 44,913 | 54,836 | 34,758 | 45,902 | 55,156 | 37,133 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 34,585 | 42,616 | 27,621 | 32,999 | 41,212 | 23,902 | 34,407 | 41,941 | 26,020 |
| NET RETURNS | 24,654 | 31,690 | 16,474 | 22,156 | 29,400 | 12,351 | 24,365 | 30,584 | 14,703 |
| NET PROFIT - COST RATIO | 0.62 | 0.72 | 0.38 | 0.53 | 0.64 | 0.29 | 0.61 | 0.68 | 0.34 |
| Cost per kilogram (PhP) | 10.02 | 10.67 | 11.99 | 10.61 | 11.23 | 10.68 | 10.07 | 10.93 | 11.30 |
| Yield per hectare (kg) | 3,983 | 4,110 | 3,634 | 3,913 | 4,082 | 4,003 | 3,947 | 4,095 | 3,817 |
| Farmgate price (PhP/kg) | 16.21 | 18.38 | 16.53 | 16.28 | 18.43 | 13.77 | 16.24 | 18.40 | 15.15 |

a/ all other cost items not elsewhere classified

b/ Less than PhP 1

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Table 8C. Non-Irrigated Palay: Updated Average Costs of Production, by Season, Bicol Region, 2017 - 2019

| ITEM | DRY SEASON | | | WET SEASON | | | ANNUAL | | |
|--|-----------------------------|--------|--------|------------|--------|--------|--------|--------|--------|
| | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| | <i>(in PhP per hectare)</i> | | | | | | | | |
| CASH COSTS | 14,204 | 15,201 | 15,965 | 13,856 | 14,985 | 14,909 | 14,024 | 15,538 | 15,880 |
| Seeds | 1,062 | 1,204 | 1,083 | 1,205 | 1,364 | 1,019 | 1,130 | 1,281 | 1,054 |
| Fertilizer | 2,574 | 2,599 | 2,939 | 2,409 | 2,602 | 2,785 | 2,516 | 2,628 | 2,890 |
| Pesticides | 497 | 501 | 484 | 570 | 561 | 534 | 521 | 530 | 500 |
| Hired labor | 6,712 | 7,339 | 7,744 | 6,461 | 6,996 | 7,065 | 6,612 | 7,571 | 7,810 |
| Land tax | 163 | 165 | 166 | 125 | 127 | 128 | 144 | 145 | 147 |
| Caretaker/overseer's wages | 40 | 44 | 47 | 42 | 46 | 46 | 40 | 45 | 47 |
| Rentals | 1,023 | 1,119 | 1,180 | 1,075 | 1,164 | 1,175 | 1,005 | 1,151 | 1,187 |
| Fuel & Oil | 221 | 225 | 235 | 234 | 253 | 262 | 227 | 239 | 248 |
| Transport cost of inputs | 127 | 132 | 136 | 123 | 129 | 131 | 124 | 130 | 133 |
| Interest payment on crop loan | 25 | 28 | 31 | 18 | 20 | 22 | 23 | 25 | 28 |
| Sacks and tying materials | 454 | 478 | 497 | 399 | 434 | 441 | 428 | 458 | 470 |
| Electricity cost | 6 | 6 | 6 | | | | 4 | 4 | 4 |
| Food expense | 506 | 542 | 557 | 396 | 442 | 433 | 453 | 496 | 497 |
| Repairs | 788 | 814 | 854 | 799 | 849 | 868 | 794 | 832 | 861 |
| Others ^{a/} | 6 | 6 | 7 | | | | 3 | 3 | 3 |
| NON-CASH COSTS | 9,742 | 10,908 | 9,569 | 10,510 | 11,967 | 9,270 | 10,038 | 11,439 | 9,478 |
| Seeds | 537 | 609 | 547 | 561 | 635 | 474 | 548 | 621 | 511 |
| Fertilizer | 20 | 20 | 23 | 49 | 53 | 57 | 35 | 37 | 41 |
| Hired labor in kind | 432 | 473 | 499 | 249 | 270 | 273 | 332 | 380 | 392 |
| Harvesters' share | 2,057 | 2,310 | 1,793 | 2,149 | 2,507 | 1,758 | 2,103 | 2,404 | 1,785 |
| Threshers' share | 2,448 | 2,750 | 2,134 | 2,771 | 3,231 | 2,266 | 2,605 | 2,979 | 2,212 |
| Landowner's share | 2,339 | 2,653 | 2,386 | 2,879 | 3,260 | 2,435 | 2,598 | 2,944 | 2,423 |
| Caretaker/overseers wages | 728 | 796 | 840 | 697 | 755 | 762 | 686 | 786 | 811 |
| Rentals | 1,039 | 1,143 | 1,175 | 1,071 | 1,164 | 1,145 | 1,016 | 1,162 | 1,165 |
| Interest payment on crop loan | 142 | 156 | 171 | 83 | 92 | 101 | 114 | 125 | 138 |
| IMPUTED COSTS | 10,386 | 11,461 | 11,574 | 10,436 | 11,437 | 10,770 | 11,038 | 12,513 | 12,256 |
| Seeds | 94 | 106 | 96 | 52 | 59 | 44 | 73 | 83 | 68 |
| Fertilizer | 11 | 12 | 13 | 13 | 14 | 15 | 12 | 13 | 14 |
| Operator labor | 2,826 | 3,090 | 3,260 | 3,070 | 3,324 | 3,356 | 2,799 | 3,205 | 3,306 |
| Family labor | 3,069 | 3,356 | 3,541 | 3,094 | 3,349 | 3,382 | 3,849 | 4,407 | 4,546 |
| Exchange labor | 83 | 90 | 95 | 6 | 6 | 7 | 44 | 51 | 52 |
| Depreciation | 451 | 496 | 546 | 496 | 546 | 600 | 473 | 520 | 572 |
| Interest on operating capital | 796 | 845 | 905 | 795 | 844 | 904 | 801 | 850 | 910 |
| Rental value of owned land | 3,054 | 3,463 | 3,115 | 2,909 | 3,293 | 2,461 | 2,984 | 3,382 | 2,784 |
| Sacks and tying materials | 3 | 3 | 3 | 1 | 1 | 1 | 2 | 2 | 2 |
| TOTAL COSTS | 34,332 | 37,571 | 37,107 | 34,801 | 38,389 | 34,950 | 35,100 | 39,490 | 37,614 |
| GROSS RETURNS | 50,506 | 56,718 | 44,030 | 50,775 | 59,220 | 41,521 | 50,637 | 57,900 | 42,983 |
| RETURNS ABOVE CASH COSTS | 36,302 | 41,517 | 28,065 | 36,918 | 44,234 | 26,612 | 36,613 | 42,362 | 27,103 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 26,560 | 30,608 | 18,496 | 26,409 | 32,267 | 17,341 | 26,575 | 30,923 | 17,625 |
| NET RETURNS | 16,174 | 19,147 | 6,922 | 15,973 | 20,830 | 6,571 | 15,537 | 18,410 | 5,369 |
| NET PROFIT - COST RATIO | 0.47 | 0.51 | 0.19 | 0.46 | 0.54 | 0.19 | 0.44 | 0.47 | 0.14 |
| <i>Cost per kilogram (PhP)</i> | 11.02 | 12.17 | 13.93 | 11.16 | 11.95 | 11.59 | 11.26 | 12.55 | 13.26 |
| <i>Yield per hectare (kg)</i> | 3,117 | 3,086 | 2,664 | 3,119 | 3,214 | 3,016 | 3,118 | 3,146 | 2,837 |
| <i>Farmgate price (PhP/kg)</i> | 16.21 | 18.38 | 16.53 | 16.28 | 18.43 | 13.77 | 16.24 | 18.40 | 15.15 |

^{a/} all other cost items not elsewhere classified

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Table 9A. All Palay: Updated Average Costs of Production, by Season, Western Visayas, 2017 - 2019

| ITEM | DRY SEASON | | | WET SEASON | | | ANNUAL | | |
|--|-----------------------------|--------|--------|------------|--------|--------|--------|--------|--------|
| | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| | <i>(in PhP per hectare)</i> | | | | | | | | |
| CASH COSTS | 13,635 | 14,583 | 15,485 | 15,121 | 16,696 | 16,882 | 14,401 | 15,664 | 15,875 |
| Seeds | 532 | 637 | 581 | 1,054 | 1,238 | 949 | 840 | 996 | 836 |
| Fertilizer | 3,183 | 3,411 | 3,876 | 3,692 | 4,197 | 4,341 | 3,479 | 3,842 | 4,160 |
| Pesticides | 1,318 | 1,277 | 1,179 | 1,293 | 1,345 | 1,329 | 1,259 | 1,297 | 1,234 |
| Hired labor | 4,437 | 4,804 | 5,287 | 5,138 | 5,664 | 6,016 | 4,787 | 5,201 | 5,291 |
| Land tax | 227 | 230 | 232 | 204 | 206 | 208 | 213 | 215 | 217 |
| Caretaker/overseer's wages | 14 | 15 | 16 | 11 | 13 | 13 | 13 | 14 | 15 |
| Other permanent employee's salary | 250 | 271 | 298 | 118 | 130 | 138 | 172 | 187 | 190 |
| Rentals | 296 | 351 | 327 | 283 | 325 | 284 | 286 | 332 | 293 |
| Fuel & Oil | 740 | 787 | 825 | 505 | 552 | 555 | 598 | 645 | 662 |
| Transport cost of inputs | 134 | 141 | 142 | 158 | 166 | 166 | 147 | 154 | 155 |
| Interest payment on crop loan | 161 | 177 | 195 | 191 | 210 | 231 | 180 | 198 | 218 |
| Irrigation fee | 252 | 302 | 276 | 128 | 150 | 115 | 178 | 211 | 178 |
| Sacks and tying materials | 217 | 228 | 235 | 267 | 285 | 290 | 248 | 262 | 269 |
| Food expense | 974 | 1,038 | 1,081 | 1,123 | 1,236 | 1,239 | 1,064 | 1,153 | 1,178 |
| Repairs | 870 | 884 | 902 | 911 | 932 | 958 | 897 | 915 | 936 |
| Others ^{a/} | 30 | 31 | 32 | 44 | 47 | 48 | 39 | 41 | 42 |
| NON-CASH COSTS | 16,566 | 19,112 | 17,638 | 17,639 | 20,553 | 16,322 | 17,207 | 20,003 | 17,078 |
| Seeds | 2,225 | 2,666 | 2,433 | 1,636 | 1,921 | 1,473 | 1,873 | 2,221 | 1,865 |
| Fertilizer | 12 | 13 | 14 | 28 | 32 | 33 | 20 | 22 | 24 |
| Pesticides | 2 | 2 | 2 | 7 | 8 | 7 | 7 | 8 | 7 |
| Hired labor in kind | 552 | 598 | 658 | 1,023 | 1,128 | 1,198 | 813 | 884 | 899 |
| Harvesters' share | 5,535 | 6,282 | 5,660 | 5,973 | 6,997 | 5,340 | 5,807 | 6,745 | 5,626 |
| Threshers' share | 3,331 | 3,780 | 3,406 | 4,151 | 4,863 | 3,711 | 3,835 | 4,455 | 3,715 |
| Landowner's share | 2,333 | 2,795 | 2,550 | 2,557 | 3,003 | 2,303 | 2,462 | 2,919 | 2,451 |
| Caretaker/overseers wages | 371 | 402 | 442 | 338 | 373 | 396 | 350 | 381 | 387 |
| Other permanent employee's salary | 9 | 9 | 10 | 2 | 3 | 3 | 4 | 5 | 5 |
| Rentals | 1,858 | 2,176 | 2,074 | 1,668 | 1,940 | 1,572 | 1,745 | 2,036 | 1,774 |
| Interest payment on crop loan | 163 | 180 | 198 | 184 | 202 | 223 | 175 | 193 | 212 |
| Irrigation fee | 176 | 210 | 192 | 71 | 83 | 64 | 113 | 135 | 113 |
| IMPUTED COSTS | 7,473 | 8,303 | 8,683 | 7,715 | 8,590 | 8,566 | 8,038 | 8,900 | 8,807 |
| Seeds | 163 | 195 | 178 | 467 | 548 | 420 | 342 | 406 | 341 |
| Fertilizer | 4 | 4 | 5 | 2 | 2 | 2 | 3 | 3 | 3 |
| Pesticides | b/ | b/ | b/ | | | | b/ | b/ | b/ |
| Operator labor | 1,969 | 2,132 | 2,346 | 2,346 | 2,586 | 2,747 | 2,163 | 2,349 | 2,390 |
| Family labor | 1,878 | 2,033 | 2,238 | 1,749 | 1,929 | 2,048 | 2,249 | 2,444 | 2,486 |
| Exchange labor | 34 | 37 | 40 | 21 | 23 | 25 | 25 | 27 | 28 |
| Depreciation | 822 | 904 | 994 | 932 | 1,025 | 1,127 | 888 | 977 | 1,075 |
| Interest on operating capital | 832 | 883 | 946 | 897 | 952 | 1,019 | 875 | 929 | 994 |
| Rental value of owned land | 1,722 | 2,063 | 1,882 | 1,275 | 1,497 | 1,148 | 1,456 | 1,726 | 1,449 |
| Transport cost of inputs | 2 | 2 | 2 | | | | 1 | 1 | 1 |
| Sacks and tying materials | 47 | 50 | 51 | 27 | 29 | 29 | 36 | 38 | 39 |
| TOTAL COSTS | 37,674 | 41,997 | 41,806 | 40,474 | 45,840 | 41,770 | 39,646 | 44,568 | 41,760 |
| GROSS RETURNS | 53,645 | 60,878 | 54,848 | 60,135 | 70,449 | 53,764 | 57,644 | 66,960 | 55,846 |
| RETURNS ABOVE CASH COSTS | 40,010 | 46,295 | 39,363 | 45,015 | 53,753 | 36,882 | 43,243 | 51,296 | 39,971 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 23,443 | 27,184 | 21,726 | 27,376 | 33,200 | 20,560 | 26,037 | 31,293 | 22,893 |
| NET RETURNS | 15,970 | 18,881 | 13,042 | 19,661 | 24,610 | 11,994 | 17,998 | 22,393 | 14,086 |
| NET PROFIT - COST RATIO | 0.42 | 0.45 | 0.31 | 0.49 | 0.54 | 0.29 | 0.45 | 0.50 | 0.34 |
| <i>Cost per kilogram (PhP)</i> | 11.75 | 13.83 | 13.94 | 11.51 | 13.07 | 11.96 | 11.64 | 13.35 | 12.60 |
| <i>Yield per hectare (kg)</i> | 3,206 | 3,037 | 2,999 | 3,517 | 3,508 | 3,492 | 3,407 | 3,337 | 3,315 |
| <i>Farmgate price (PhP/kg)</i> | 16.73 | 20.05 | 18.29 | 17.10 | 20.08 | 15.40 | 16.92 | 20.06 | 16.84 |

a/ all other cost items not elsewhere classified

b/ Less than PhP 1

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Table 9B. Irrigated Palay: Updated Average Costs of Production, by Season, Western Visayas, 2017 - 2019

| ITEM | DRY SEASON | | | WET SEASON | | | ANNUAL | | |
|--|-----------------------------|--------|--------|------------|--------|--------|--------|--------|--------|
| | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| | <i>(in PhP per hectare)</i> | | | | | | | | |
| CASH COSTS | 16,822 | 18,102 | 19,151 | 19,151 | 21,212 | 21,418 | 17,920 | 19,568 | 19,758 |
| Seeds | 661 | 791 | 722 | 1,260 | 1,480 | 1,135 | 970 | 1,150 | 965 |
| Fertilizer | 3,873 | 4,137 | 4,697 | 4,880 | 5,537 | 5,725 | 4,383 | 4,835 | 5,227 |
| Pesticides | 1,477 | 1,432 | 1,322 | 1,593 | 1,657 | 1,638 | 1,477 | 1,521 | 1,447 |
| Hired labor | 5,758 | 6,234 | 6,861 | 7,104 | 7,831 | 8,318 | 6,424 | 6,978 | 7,100 |
| Land tax | 185 | 186 | 188 | 192 | 194 | 196 | 188 | 190 | 191 |
| Caretaker/overseer's wages | | | | 15 | 16 | 17 | 7 | 7 | 7 |
| Rentals | 592 | 704 | 652 | 382 | 435 | 393 | 480 | 557 | 490 |
| Fuel & Oil | 1,116 | 1,187 | 1,245 | 767 | 838 | 844 | 934 | 1,006 | 1,034 |
| Transport cost of inputs | 117 | 122 | 123 | 126 | 132 | 132 | 121 | 127 | 128 |
| Interest payment on crop loan | 380 | 418 | 460 | 332 | 365 | 401 | 355 | 390 | 429 |
| Irrigation fee | 715 | 856 | 782 | 497 | 584 | 448 | 603 | 715 | 600 |
| Sacks and tying materials | 247 | 259 | 268 | 210 | 225 | 229 | 228 | 242 | 248 |
| Food expense | 851 | 907 | 945 | 1,041 | 1,146 | 1,149 | 951 | 1,031 | 1,053 |
| Repairs | 772 | 785 | 800 | 714 | 731 | 751 | 742 | 757 | 775 |
| Others ^{a/} | 79 | 83 | 85 | 39 | 42 | 43 | 59 | 62 | 64 |
| NON-CASH COSTS | 19,085 | 22,323 | 20,479 | 21,157 | 24,603 | 19,772 | 20,207 | 23,578 | 20,152 |
| Seeds | 2,612 | 3,130 | 2,856 | 1,768 | 2,076 | 1,592 | 2,175 | 2,579 | 2,166 |
| Fertilizer | 7 | 8 | 9 | 34 | 39 | 40 | 21 | 24 | 26 |
| Pesticides | | | | 10 | 10 | 10 | 8 | 9 | 8 |
| Hired labor in kind | 709 | 768 | 845 | 1,547 | 1,705 | 1,811 | 1,121 | 1,218 | 1,239 |
| Harvesters' share | 6,044 | 7,012 | 6,252 | 6,045 | 7,082 | 5,392 | 6,084 | 7,119 | 5,910 |
| Threshers' share | 3,340 | 3,876 | 3,455 | 4,345 | 5,090 | 3,875 | 3,902 | 4,565 | 3,790 |
| Landowner's share | 3,526 | 4,224 | 3,855 | 4,246 | 4,986 | 3,823 | 3,897 | 4,621 | 3,879 |
| Caretaker/overseers wages | 605 | 655 | 721 | 1,055 | 1,163 | 1,236 | 827 | 898 | 914 |
| Rentals | 1,528 | 1,818 | 1,683 | 1,603 | 1,876 | 1,466 | 1,567 | 1,848 | 1,571 |
| Interest payment on crop loan | 213 | 234 | 258 | 230 | 253 | 278 | 221 | 244 | 268 |
| Irrigation fee | 500 | 598 | 546 | 274 | 322 | 247 | 384 | 455 | 382 |
| IMPUTED COSTS | 7,281 | 8,113 | 8,424 | 8,075 | 8,980 | 8,957 | 7,669 | 8,506 | 8,388 |
| Seeds | 146 | 175 | 160 | 323 | 379 | 291 | 238 | 282 | 237 |
| Fertilizer | 11 | 12 | 13 | | | | 6 | 6 | 7 |
| Operator labor | 1,975 | 2,138 | 2,353 | 2,334 | 2,573 | 2,733 | 2,151 | 2,337 | 2,378 |
| Family labor | 1,222 | 1,323 | 1,456 | 1,827 | 2,015 | 2,140 | 1,518 | 1,649 | 1,678 |
| Exchange labor | 26 | 28 | 31 | 30 | 33 | 35 | 28 | 30 | 31 |
| Depreciation | 876 | 964 | 1,060 | 854 | 940 | 1,034 | 865 | 952 | 1,047 |
| Interest on operating capital | 1,020 | 1,082 | 1,159 | 1,183 | 1,255 | 1,344 | 1,106 | 1,173 | 1,257 |
| Rental value of owned land | 1,925 | 2,307 | 2,105 | 1,479 | 1,737 | 1,332 | 1,694 | 2,009 | 1,686 |
| Transport cost of inputs | 3 | 3 | 3 | | | | 2 | 2 | 2 |
| Sacks and tying materials | 77 | 81 | 83 | 45 | 48 | 49 | 61 | 64 | 66 |
| TOTAL COSTS | 43,188 | 48,538 | 48,053 | 48,383 | 54,795 | 50,146 | 45,796 | 51,652 | 48,299 |
| GROSS RETURNS | 58,195 | 67,524 | 60,200 | 66,574 | 77,991 | 59,386 | 63,078 | 73,806 | 61,272 |
| RETURNS ABOVE CASH COSTS | 41,373 | 49,422 | 41,049 | 47,423 | 56,779 | 37,969 | 45,159 | 54,238 | 41,514 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 22,289 | 27,099 | 20,571 | 26,266 | 32,176 | 18,197 | 24,952 | 30,659 | 21,362 |
| NET RETURNS | 15,007 | 18,986 | 12,147 | 18,191 | 23,196 | 9,240 | 17,283 | 22,154 | 12,973 |
| NET PROFIT - COST RATIO | 0.35 | 0.39 | 0.25 | 0.38 | 0.42 | 0.18 | 0.38 | 0.43 | 0.27 |
| <i>Cost per kilogram (PhP)</i> | 12.42 | 14.41 | 14.60 | 12.43 | 14.11 | 13.00 | 12.28 | 14.04 | 13.28 |
| <i>Yield per hectare (kg)</i> | 3,478 | 3,368 | 3,291 | 3,894 | 3,884 | 3,857 | 3,728 | 3,679 | 3,638 |
| <i>Farmgate price (PhP/kg)</i> | 16.73 | 20.05 | 18.29 | 17.10 | 20.08 | 15.40 | 16.92 | 20.06 | 16.84 |

^{a/} all other cost items not elsewhere classified

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Table 9C. Non-Irrigated Palay: Updated Average Costs of Production, by Season, Western Visayas, 2017 - 2019

| Item | DRY SEASON | | | WET SEASON | | | ANNUAL | | |
|--|-----------------------------|--------|--------|------------|--------|--------|--------|--------|--------|
| | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| | <i>(in PhP per hectare)</i> | | | | | | | | |
| CASH COSTS | 12,191 | 12,976 | 13,829 | 14,034 | 15,476 | 15,674 | 13,212 | 14,332 | 14,547 |
| Seeds | 465 | 557 | 508 | 985 | 1,157 | 887 | 787 | 933 | 784 |
| Fertilizer | 2,818 | 3,021 | 3,436 | 3,220 | 3,672 | 3,797 | 2,990 | 3,307 | 3,583 |
| Pesticides | 1,232 | 1,194 | 1,103 | 1,191 | 1,239 | 1,224 | 1,172 | 1,207 | 1,149 |
| Hired labor | 3,993 | 4,323 | 4,758 | 4,790 | 5,281 | 5,609 | 4,406 | 4,787 | 4,870 |
| Land tax | 251 | 253 | 256 | 238 | 241 | 243 | 310 | 313 | 316 |
| Caretaker/overseer's wages | 21 | 23 | 25 | 10 | 11 | 12 | 15 | 17 | 17 |
| Other permanent employee's salary | 382 | 413 | 455 | 157 | 173 | 183 | 243 | 264 | 269 |
| Rentals | 135 | 159 | 150 | 249 | 287 | 246 | 203 | 235 | 208 |
| Fuel & Oil | 540 | 574 | 602 | 417 | 455 | 458 | 462 | 498 | 512 |
| Transport cost of inputs | 143 | 149 | 151 | 168 | 177 | 177 | 158 | 166 | 167 |
| Interest payment on crop loan | 45 | 49 | 54 | 145 | 160 | 176 | 108 | 118 | 130 |
| Sacks and tying materials | 201 | 211 | 218 | 286 | 306 | 311 | 256 | 271 | 278 |
| Food expense | 1,039 | 1,107 | 1,153 | 1,152 | 1,268 | 1,271 | 1,112 | 1,205 | 1,231 |
| Repairs | 922 | 937 | 956 | 979 | 1,002 | 1,030 | 959 | 978 | 1,001 |
| Others ^{a/} | 4 | 4 | 4 | 45 | 48 | 49 | 30 | 32 | 32 |
| NON-CASH COSTS | 14,856 | 16,941 | 15,744 | 16,063 | 18,740 | 14,787 | 15,612 | 18,104 | 15,447 |
| Seeds | 2,021 | 2,422 | 2,210 | 1,597 | 1,875 | 1,438 | 1,752 | 2,077 | 1,744 |
| Fertilizer | 13 | 13 | 15 | 28 | 32 | 33 | 21 | 23 | 25 |
| Pesticides | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 |
| Hired labor in kind | 469 | 508 | 559 | 846 | 933 | 991 | 686 | 746 | 759 |
| Harvesters' share | 5,015 | 5,589 | 5,090 | 5,728 | 6,715 | 5,111 | 5,477 | 6,336 | 5,290 |
| Threshers' share | 3,209 | 3,576 | 3,257 | 3,924 | 4,600 | 3,501 | 3,672 | 4,248 | 3,546 |
| Landowner's share | 1,690 | 2,024 | 1,847 | 1,974 | 2,319 | 1,778 | 1,863 | 2,209 | 1,855 |
| Caretaker/overseers wages | 247 | 267 | 294 | 96 | 106 | 112 | 154 | 168 | 171 |
| Other permanent employee's salary | 14 | 15 | 16 | 2 | 3 | 3 | 7 | 7 | 7 |
| Rentals | 2,036 | 2,369 | 2,284 | 1,695 | 1,968 | 1,613 | 1,819 | 2,115 | 1,857 |
| Interest payment on crop loan | 140 | 154 | 170 | 169 | 186 | 205 | 157 | 173 | 190 |
| IMPUTED COSTS | 7,591 | 8,421 | 8,839 | 7,775 | 8,659 | 8,644 | 8,193 | 9,066 | 8,982 |
| Seeds | 172 | 206 | 188 | 520 | 610 | 468 | 387 | 459 | 385 |
| Fertilizer | | | | 3 | 3 | 3 | 2 | 2 | 2 |
| Pesticides | b/ | b/ | b/ | | | | b/ | b/ | b/ |
| Operator labor | 1,967 | 2,129 | 2,343 | 2,349 | 2,589 | 2,750 | 2,165 | 2,352 | 2,393 |
| Family labor | 2,225 | 2,409 | 2,651 | 1,889 | 2,082 | 2,212 | 2,549 | 2,769 | 2,818 |
| Exchange labor | 39 | 42 | 47 | 18 | 20 | 21 | 25 | 27 | 28 |
| Depreciation | 793 | 872 | 959 | 957 | 1,053 | 1,158 | 895 | 985 | 1,083 |
| Interest on operating capital | 748 | 793 | 850 | 810 | 859 | 920 | 783 | 831 | 889 |
| Rental value of owned land | 1,615 | 1,935 | 1,766 | 1,209 | 1,420 | 1,089 | 1,360 | 1,612 | 1,354 |
| Transport cost of inputs | 1 | 1 | 1 | | | | 1 | 1 | 1 |
| Sacks and tying materials | 32 | 33 | 34 | 21 | 22 | 22 | 26 | 27 | 28 |
| TOTAL COSTS | 34,638 | 38,338 | 38,413 | 37,871 | 42,875 | 39,106 | 37,017 | 41,502 | 38,975 |
| GROSS RETURNS | 48,847 | 54,434 | 49,572 | 55,373 | 64,920 | 49,412 | 53,083 | 61,402 | 51,264 |
| RETURNS ABOVE CASH COSTS | 36,656 | 41,457 | 35,743 | 41,339 | 49,444 | 33,738 | 39,871 | 47,070 | 36,718 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 21,800 | 24,517 | 19,999 | 25,277 | 30,704 | 18,950 | 24,259 | 28,966 | 21,271 |
| NET RETURNS | 14,209 | 16,095 | 11,159 | 17,502 | 22,045 | 10,307 | 16,066 | 19,900 | 12,289 |
| NET PROFIT - COST RATIO | 0.41 | 0.42 | 0.29 | 0.46 | 0.51 | 0.26 | 0.43 | 0.48 | 0.32 |
| <i>Cost per kilogram (PhP)</i> | 11.86 | 14.12 | 14.17 | 11.69 | 13.26 | 12.19 | 11.80 | 13.56 | 12.81 |
| <i>Yield per hectare (kg)</i> | 2,919 | 2,715 | 2,710 | 3,239 | 3,233 | 3,209 | 3,137 | 3,060 | 3,043 |
| <i>Farmgate price (PhP/kg)</i> | 16.73 | 20.05 | 18.29 | 17.10 | 20.08 | 15.40 | 16.92 | 20.06 | 16.84 |

^{a/} all other cost items not elsewhere classified

^{b/} Less than PhP 1

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Table 10A. All Palay: Updated Average Costs of Production, by Season, Central Visayas, 2017 - 2019

| ITEM | DRY SEASON | | | WET SEASON | | | ANNUAL | | |
|--|-----------------------------|--------|--------|------------|--------|--------|--------|--------|--------|
| | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| | <i>(in PhP per hectare)</i> | | | | | | | | |
| CASH COSTS | 22,946 | 23,967 | 24,842 | 19,358 | 20,231 | 21,297 | 20,668 | 22,059 | 23,079 |
| Seeds | 620 | 710 | 677 | 839 | 964 | 838 | 732 | 839 | 765 |
| Fertilizer | 8,087 | 8,172 | 8,533 | 6,131 | 6,422 | 6,567 | 7,073 | 7,278 | 7,520 |
| Pesticides | 456 | 465 | 414 | 577 | 587 | 601 | 514 | 524 | 513 |
| Hired labor | 8,189 | 8,758 | 9,212 | 7,657 | 7,813 | 8,813 | 7,500 | 8,259 | 9,037 |
| Land tax | 121 | 123 | 124 | 149 | 150 | 152 | 136 | 137 | 138 |
| Rentals | 250 | 267 | 281 | 634 | 649 | 727 | 425 | 468 | 510 |
| Fuel & Oil | 162 | 174 | 174 | 337 | 374 | 357 | 250 | 273 | 267 |
| Transport cost of inputs | 160 | 169 | 167 | 170 | 181 | 186 | 165 | 175 | 177 |
| Interest payment on crop loan | 172 | 189 | 208 | 145 | 160 | 176 | 159 | 174 | 192 |
| Irrigation fee | 363 | 416 | 397 | 455 | 524 | 455 | 411 | 471 | 429 |
| Sacks and tying materials | 234 | 245 | 251 | 283 | 301 | 304 | 258 | 272 | 277 |
| Electricity cost | 9 | 10 | 10 | 15 | 17 | 16 | 12 | 13 | 13 |
| Food expense | 1,488 | 1,578 | 1,624 | 1,206 | 1,301 | 1,304 | 1,348 | 1,442 | 1,464 |
| Repairs | 2,635 | 2,691 | 2,771 | 633 | 654 | 668 | 1,623 | 1,667 | 1,710 |
| Others ^{a/} | | | | 126 | 134 | 135 | 63 | 66 | 67 |
| NON-CASH COSTS | 14,589 | 16,977 | 14,741 | 14,895 | 16,253 | 14,274 | 14,677 | 16,605 | 14,462 |
| Seeds | 938 | 1,073 | 1,023 | 1,028 | 1,182 | 1,026 | 986 | 1,131 | 1,030 |
| Fertilizer | 120 | 121 | 127 | 67 | 70 | 71 | 92 | 95 | 98 |
| Hired labor in kind | 674 | 721 | 758 | 1,004 | 1,024 | 1,155 | 799 | 880 | 963 |
| Harvesters' share | 3,801 | 4,589 | 3,422 | 4,240 | 4,486 | 3,706 | 4,026 | 4,538 | 3,544 |
| Threshers' share | 2,645 | 3,193 | 2,382 | 2,743 | 2,902 | 2,397 | 2,701 | 3,045 | 2,378 |
| Landowner's share | 5,180 | 5,929 | 5,653 | 4,577 | 5,263 | 4,570 | 4,875 | 5,592 | 5,093 |
| Caretaker/overseers wages | 143 | 153 | 161 | | | | 65 | 72 | 78 |
| Rentals | 728 | 788 | 815 | 709 | 762 | 771 | 691 | 771 | 799 |
| Interest payment on crop loan | 64 | 71 | 78 | 82 | 91 | 100 | 74 | 81 | 89 |
| Irrigation fee | 296 | 339 | 323 | | | | 144 | 165 | 151 |
| Sacks and tying materials | | | | 446 | 474 | 478 | 223 | 236 | 240 |
| IMPUTED COSTS | 11,283 | 12,283 | 12,750 | 10,598 | 11,271 | 11,984 | 10,649 | 11,765 | 12,379 |
| Seeds | 622 | 712 | 679 | 117 | 134 | 117 | 363 | 416 | 379 |
| Fertilizer | 57 | 58 | 60 | 47 | 49 | 50 | 52 | 54 | 55 |
| Operator labor | 3,516 | 3,761 | 3,955 | 3,379 | 3,448 | 3,889 | 3,271 | 3,602 | 3,942 |
| Family labor | 1,942 | 2,076 | 2,184 | 1,938 | 1,977 | 2,231 | 1,841 | 2,028 | 2,218 |
| Exchange labor | 257 | 275 | 289 | 79 | 81 | 91 | 162 | 179 | 196 |
| Depreciation | 1,502 | 1,652 | 1,817 | 1,861 | 2,047 | 2,252 | 1,681 | 1,849 | 2,034 |
| Interest on operating capital | 1,526 | 1,620 | 1,734 | 1,287 | 1,366 | 1,463 | 1,402 | 1,488 | 1,593 |
| Rental value of owned land | 1,860 | 2,129 | 2,030 | 1,834 | 2,109 | 1,831 | 1,848 | 2,120 | 1,931 |
| Transport cost of inputs | | | | 1 | 1 | 1 | 1 | 1 | 1 |
| Sacks and tying materials | 1 | 1 | 1 | 56 | 59 | 60 | 28 | 30 | 30 |
| Others ^{a/} | | | | 30 | 32 | 33 | 16 | 17 | 17 |
| TOTAL COSTS | 48,819 | 53,227 | 52,334 | 44,851 | 47,755 | 47,555 | 45,994 | 50,430 | 49,919 |
| GROSS RETURNS | 57,298 | 69,170 | 51,590 | 61,996 | 65,594 | 54,184 | 59,765 | 67,372 | 52,604 |
| RETURNS ABOVE CASH COSTS | 34,351 | 45,203 | 26,748 | 42,638 | 45,364 | 32,887 | 39,098 | 45,313 | 29,526 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 19,762 | 28,226 | 12,006 | 27,743 | 29,111 | 18,613 | 24,421 | 28,707 | 15,064 |
| NET RETURNS | 8,479 | 15,943 | -744 | 17,145 | 17,840 | 6,629 | 13,771 | 16,942 | 2,686 |
| NET PROFIT - COST RATIO | 0.17 | 0.30 | -0.01 | 0.38 | 0.37 | 0.14 | 0.30 | 0.34 | 0.05 |
| <i>Cost per kilogram (PhP)</i> | 15.80 | 16.34 | 20.53 | 13.39 | 15.49 | 16.21 | 14.26 | 15.91 | 18.37 |
| <i>Yield per hectare (kg)</i> | 3,089 | 3,258 | 2,549 | 3,351 | 3,083 | 2,933 | 3,225 | 3,170 | 2,718 |
| <i>Farmgate price (PhP/kg)</i> | 18.55 | 21.23 | 20.24 | 18.50 | 21.27 | 18.47 | 18.53 | 21.25 | 19.36 |

^{a/} all other cost items not elsewhere classified

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Table 10B. Irrigated Palay: Updated Average Costs of Production, by Season, Central Visayas, 2017 - 2019

| ITEM | DRY SEASON | | | WET SEASON | | | ANNUAL | | |
|--|-----------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| | <i>(in PhP per hectare)</i> | | | | | | | | |
| CASH COSTS | 26,509 | 27,725 | 28,760 | 22,255 | 23,301 | 24,445 | 23,851 | 25,478 | 26,628 |
| Seeds | 767 | 877 | 837 | 909 | 1,045 | 907 | 840 | 963 | 877 |
| Fertilizer | 9,286 | 9,392 | 9,813 | 7,527 | 7,885 | 8,063 | 8,386 | 8,633 | 8,922 |
| Pesticides | 214 | 218 | 194 | 321 | 327 | 335 | 266 | 271 | 265 |
| Hired labor | 9,750 | 10,427 | 10,967 | 8,410 | 8,581 | 9,680 | 8,586 | 9,455 | 10,345 |
| Land tax | 131 | 132 | 133 | 163 | 165 | 166 | 146 | 147 | 149 |
| Rentals | 167 | 179 | 188 | 734 | 749 | 845 | 435 | 479 | 524 |
| Fuel & Oil | 182 | 196 | 196 | 428 | 476 | 455 | 307 | 335 | 328 |
| Transport cost of inputs | 97 | 103 | 102 | 142 | 151 | 155 | 120 | 127 | 129 |
| Interest payment on crop loan | 67 | 73 | 81 | 163 | 180 | 198 | 115 | 126 | 139 |
| Irrigation fee | 647 | 741 | 707 | 831 | 956 | 830 | 741 | 850 | 774 |
| Sacks and tying materials | 314 | 329 | 337 | 289 | 308 | 310 | 303 | 320 | 325 |
| Electricity cost | 11 | 12 | 12 | 26 | 28 | 27 | 19 | 20 | 20 |
| Food expense | 1,646 | 1,746 | 1,797 | 1,374 | 1,482 | 1,485 | 1,511 | 1,616 | 1,641 |
| Repairs | 3,231 | 3,300 | 3,398 | 875 | 904 | 923 | 2,047 | 2,103 | 2,157 |
| Others ^{a/} | | | | 61 | 65 | 65 | 30 | 32 | 32 |
| NON-CASH COSTS | 15,902 | 18,412 | 16,344 | 17,775 | 19,236 | 16,756 | 16,730 | 18,799 | 16,472 |
| Seeds | 607 | 695 | 662 | 882 | 1,014 | 881 | 748 | 858 | 781 |
| Fertilizer | | | | 81 | 85 | 87 | 41 | 43 | 44 |
| Hired labor in kind | 642 | 687 | 723 | 936 | 955 | 1,077 | 752 | 828 | 906 |
| Harvesters' share | 4,137 | 4,928 | 3,893 | 5,517 | 5,763 | 4,728 | 4,793 | 5,330 | 4,261 |
| Threshers' share | 2,997 | 3,570 | 2,820 | 3,487 | 3,643 | 2,989 | 3,243 | 3,606 | 2,883 |
| Landowner's share | 5,744 | 6,575 | 6,268 | 5,062 | 5,820 | 5,054 | 5,404 | 6,198 | 5,645 |
| Caretaker/overseers wages | 260 | 278 | 293 | | | | 119 | 131 | 144 |
| Rentals | 908 | 987 | 1,014 | 931 | 1,020 | 990 | 890 | 998 | 1,011 |
| Interest payment on crop loan | 77 | 85 | 94 | 57 | 63 | 69 | 68 | 75 | 82 |
| Irrigation fee | 530 | 607 | 579 | | | | 262 | 300 | 273 |
| Sacks and tying materials | | | | 822 | 874 | 882 | 410 | 433 | 440 |
| IMPUTED COSTS | 12,429 | 13,513 | 14,060 | 10,854 | 11,530 | 12,223 | 11,341 | 12,520 | 13,177 |
| Seeds | 846 | 968 | 923 | 91 | 105 | 91 | 463 | 531 | 484 |
| Fertilizer | 104 | 105 | 110 | 91 | 95 | 97 | 97 | 100 | 103 |
| Operator labor | 3,751 | 4,011 | 4,219 | 3,709 | 3,785 | 4,269 | 3,540 | 3,898 | 4,265 |
| Family labor | 2,372 | 2,537 | 2,668 | 1,872 | 1,910 | 2,154 | 2,018 | 2,223 | 2,432 |
| Exchange labor | 214 | 229 | 241 | 82 | 84 | 94 | 143 | 157 | 172 |
| Depreciation | 1,761 | 1,937 | 2,130 | 1,458 | 1,604 | 1,764 | 1,611 | 1,772 | 1,949 |
| Interest on operating capital | 1,737 | 1,844 | 1,974 | 1,472 | 1,562 | 1,673 | 1,603 | 1,701 | 1,822 |
| Rental value of owned land | 1,642 | 1,880 | 1,792 | 2,027 | 2,330 | 2,023 | 1,839 | 2,109 | 1,921 |
| Sacks and tying materials | 3 | 3 | 3 | 52 | 56 | 56 | 27 | 29 | 29 |
| Others ^{a/} | | | | 8 | 9 | 9 | 4 | 4 | 4 |
| TOTAL COSTS | 54,841 | 59,650 | 59,164 | 50,884 | 54,068 | 53,424 | 51,922 | 56,797 | 56,277 |
| GROSS RETURNS | 61,310 | 73,030 | 57,689 | 69,189 | 72,277 | 59,297 | 65,355 | 72,673 | 58,108 |
| RETURNS ABOVE CASH COSTS | 34,801 | 45,304 | 28,929 | 46,934 | 48,975 | 34,852 | 41,504 | 47,195 | 31,481 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 18,899 | 26,893 | 12,585 | 29,159 | 29,739 | 18,096 | 24,773 | 28,396 | 15,008 |
| NET RETURNS | 6,469 | 13,379 | -1,475 | 18,305 | 18,209 | 5,872 | 13,433 | 15,876 | 1,831 |
| NET PROFIT - COST RATIO | 0.12 | 0.22 | -0.02 | 0.36 | 0.34 | 0.11 | 0.26 | 0.28 | 0.03 |
| <i>Cost per kilogram (PhP)</i> | <i>16.59</i> | <i>17.34</i> | <i>20.76</i> | <i>13.61</i> | <i>15.91</i> | <i>16.64</i> | <i>14.72</i> | <i>16.61</i> | <i>18.75</i> |
| <i>Yield per hectare (kg)</i> | <i>3,305</i> | <i>3,440</i> | <i>2,850</i> | <i>3,740</i> | <i>3,398</i> | <i>3,210</i> | <i>3,527</i> | <i>3,420</i> | <i>3,002</i> |
| <i>Farmgate price (PhP/kg)</i> | <i>18.55</i> | <i>21.23</i> | <i>20.24</i> | <i>18.50</i> | <i>21.27</i> | <i>18.47</i> | <i>18.53</i> | <i>21.25</i> | <i>19.36</i> |

^{a/} all other cost items not elsewhere classified

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Table 10C. Non-Irrigated Palay: Updated Average Costs of Production, by Season, Central Visayas, 2017 - 2019

| ITEM | DRY SEASON | | | WET SEASON | | | ANNUAL | | |
|--|-----------------------------|--------|--------|------------|--------|--------|--------|--------|--------|
| | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| | <i>(in PhP per hectare)</i> | | | | | | | | |
| CASH COSTS | 19,407 | 20,202 | 20,807 | 16,734 | 17,437 | 18,433 | 17,996 | 19,135 | 20,017 |
| Seeds | 441 | 504 | 481 | 754 | 867 | 753 | 603 | 692 | 630 |
| Fertilizer | 6,698 | 6,758 | 7,050 | 5,256 | 5,505 | 5,629 | 6,262 | 6,438 | 6,650 |
| Pesticides | 1,483 | 1,511 | 1,344 | 915 | 930 | 952 | 1,194 | 1,217 | 1,191 |
| Hired labor | 6,306 | 6,744 | 7,093 | 6,765 | 6,903 | 7,786 | 6,202 | 6,830 | 7,473 |
| Land tax | 109 | 110 | 111 | 135 | 137 | 138 | 122 | 123 | 125 |
| Rentals | 349 | 373 | 392 | 517 | 533 | 588 | 415 | 458 | 496 |
| Fuel & Oil | 138 | 149 | 149 | 230 | 256 | 244 | 186 | 203 | 198 |
| Transport cost of inputs | 233 | 246 | 245 | 204 | 216 | 222 | 219 | 232 | 234 |
| Interest payment on crop loan | 297 | 327 | 359 | 124 | 137 | 150 | 210 | 231 | 254 |
| Sacks and tying materials | 135 | 142 | 145 | 274 | 291 | 294 | 205 | 217 | 220 |
| Electricity cost | 6 | 6 | 6 | | | | 3 | 3 | 3 |
| Food expense | 1,297 | 1,376 | 1,416 | 1,008 | 1,088 | 1,090 | 1,153 | 1,233 | 1,252 |
| Repairs | 1,915 | 1,955 | 2,014 | 348 | 359 | 367 | 1,119 | 1,150 | 1,179 |
| Others ^{a/} | | | | 203 | 216 | 218 | 104 | 109 | 111 |
| NON-CASH COSTS | 12,741 | 14,847 | 12,332 | 11,338 | 12,545 | 11,142 | 11,915 | 13,575 | 11,691 |
| Seeds | 1,383 | 1,584 | 1,510 | 1,209 | 1,391 | 1,208 | 1,290 | 1,480 | 1,348 |
| Fertilizer | 236 | 238 | 248 | 52 | 54 | 56 | 145 | 149 | 154 |
| Hired labor in kind | 711 | 761 | 800 | 1,082 | 1,104 | 1,246 | 856 | 943 | 1,032 |
| Harvesters' share | 3,251 | 3,958 | 2,564 | 2,643 | 2,870 | 2,378 | 2,923 | 3,347 | 2,463 |
| Threshers' share | 2,073 | 2,524 | 1,635 | 1,799 | 1,953 | 1,619 | 1,927 | 2,206 | 1,623 |
| Landowner's share | 4,531 | 5,186 | 4,944 | 4,003 | 4,602 | 3,997 | 4,247 | 4,871 | 4,436 |
| Rentals | 509 | 545 | 573 | 437 | 445 | 502 | 447 | 492 | 538 |
| Interest payment on crop loan | 47 | 52 | 57 | 113 | 125 | 137 | 79 | 87 | 96 |
| IMPUTED COSTS | 10,026 | 10,937 | 11,311 | 10,402 | 11,077 | 11,822 | 9,975 | 11,025 | 11,596 |
| Seeds | 340 | 389 | 371 | 148 | 170 | 147 | 239 | 274 | 249 |
| Operator labor | 3,231 | 3,455 | 3,634 | 2,988 | 3,048 | 3,439 | 2,951 | 3,250 | 3,556 |
| Family labor | 1,424 | 1,523 | 1,602 | 2,020 | 2,061 | 2,325 | 1,630 | 1,794 | 1,963 |
| Exchange labor | 308 | 330 | 347 | 77 | 78 | 88 | 185 | 203 | 222 |
| Depreciation | 1,185 | 1,303 | 1,433 | 2,339 | 2,572 | 2,830 | 1,767 | 1,943 | 2,138 |
| Interest on operating capital | 1,366 | 1,450 | 1,552 | 1,165 | 1,237 | 1,324 | 1,298 | 1,378 | 1,476 |
| Rental value of owned land | 2,173 | 2,487 | 2,371 | 1,604 | 1,844 | 1,601 | 1,873 | 2,148 | 1,957 |
| Transport cost of inputs | | | | 3 | 3 | 3 | 2 | 2 | 2 |
| Sacks and tying materials | | | | 60 | 63 | 64 | 31 | 32 | 33 |
| Others ^{a/} | | | | 57 | 61 | 62 | 28 | 29 | 30 |
| TOTAL COSTS | 42,175 | 45,986 | 44,450 | 38,474 | 41,059 | 41,396 | 39,886 | 43,736 | 43,304 |
| GROSS RETURNS | 50,667 | 61,688 | 39,970 | 51,288 | 55,686 | 46,148 | 51,019 | 58,413 | 42,980 |
| RETURNS ABOVE CASH COSTS | 31,260 | 41,486 | 19,163 | 34,553 | 38,249 | 27,715 | 33,022 | 39,278 | 22,963 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 18,518 | 26,639 | 6,831 | 23,215 | 25,705 | 16,573 | 21,107 | 25,703 | 11,272 |
| NET RETURNS | 8,492 | 15,702 | -4,480 | 12,814 | 14,628 | 4,751 | 11,133 | 14,677 | -324 |
| NET PROFIT - COST RATIO | 0.20 | 0.34 | -0.10 | 0.33 | 0.36 | 0.11 | 0.28 | 0.34 | -0.01 |
| <i>Cost per kilogram (PhP)</i> | 15.44 | 15.83 | 22.51 | 13.88 | 15.69 | 16.57 | 14.49 | 15.91 | 19.50 |
| <i>Yield per hectare (kg)</i> | 2,732 | 2,905 | 1,975 | 2,772 | 2,618 | 2,498 | 2,753 | 2,749 | 2,220 |
| <i>Farmgate price (PhP/kg)</i> | 18.55 | 21.23 | 20.24 | 18.50 | 21.27 | 18.47 | 18.53 | 21.25 | 19.36 |

^{a/} all other cost items not elsewhere classified

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Table 11A. All Palay: Updated Average Costs of Production, by Season, Eastern Visayas, 2017 - 2019

| ITEM | DRY SEASON | | | WET SEASON | | | ANNUAL | | |
|--|-----------------------------|--------|--------|------------|--------|--------|--------|--------|--------|
| | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| | <i>(in PhP per hectare)</i> | | | | | | | | |
| CASH COSTS | 15,134 | 15,982 | 17,876 | 18,258 | 18,957 | 20,141 | 16,436 | 17,725 | 19,263 |
| Seeds | 669 | 676 | 660 | 399 | 460 | 373 | 540 | 582 | 518 |
| Fertilizer | 1,475 | 1,539 | 1,640 | 2,439 | 2,575 | 2,702 | 1,877 | 1,970 | 2,084 |
| Pesticides | 380 | 355 | 375 | 316 | 312 | 296 | 359 | 341 | 349 |
| Hired labor | 9,386 | 9,999 | 11,661 | 11,813 | 12,087 | 13,269 | 10,408 | 11,364 | 12,793 |
| Land tax | 36 | 36 | 36 | 112 | 113 | 114 | 70 | 71 | 72 |
| Rentals | 269 | 287 | 334 | 297 | 327 | 357 | 282 | 308 | 346 |
| Fuel & Oil | 336 | 356 | 356 | 353 | 389 | 339 | 343 | 371 | 347 |
| Transport cost of inputs | 72 | 76 | 79 | 95 | 101 | 103 | 82 | 87 | 90 |
| Interest payment on crop loan | 81 | 89 | 98 | 52 | 57 | 63 | 68 | 75 | 82 |
| Irrigation fee | 89 | 90 | 88 | 74 | 85 | 69 | 82 | 89 | 79 |
| Sacks and tying materials | 123 | 130 | 133 | 213 | 225 | 226 | 163 | 172 | 175 |
| Electricity cost | 1 | 1 | 1 | | | | 1 | 1 | 1 |
| Food expense | 1,475 | 1,574 | 1,617 | 1,321 | 1,427 | 1,410 | 1,406 | 1,509 | 1,521 |
| Repairs | 741 | 774 | 797 | 773 | 799 | 821 | 755 | 784 | 807 |
| NON-CASH COSTS | 12,180 | 12,539 | 12,404 | 14,767 | 16,875 | 14,202 | 13,294 | 14,468 | 13,161 |
| Seeds | 733 | 740 | 723 | 880 | 1,013 | 821 | 801 | 864 | 769 |
| Fertilizer | 12 | 12 | 13 | | | | 7 | 7 | 8 |
| Pesticides | 1 | 1 | 1 | | | | | | |
| Hired labor in kind | 489 | 521 | 608 | 416 | 458 | 503 | 458 | 501 | 563 |
| Harvesters' share | 4,860 | 5,042 | 4,949 | 5,341 | 6,125 | 4,935 | 5,054 | 5,522 | 4,916 |
| Threshers' share | 2,311 | 2,398 | 2,354 | 3,189 | 3,657 | 2,947 | 2,700 | 2,949 | 2,625 |
| Landowner's share | 3,350 | 3,382 | 3,302 | 3,214 | 3,702 | 2,999 | 3,279 | 3,537 | 3,149 |
| Caretaker/overseers wages | 7 | 8 | 9 | 27 | 30 | 33 | 14 | 15 | 17 |
| Rentals | 263 | 267 | 264 | 415 | 471 | 426 | 327 | 354 | 333 |
| Interest payment on crop loan | 133 | 146 | 161 | 1,226 | 1,348 | 1,483 | 615 | 676 | 744 |
| Irrigation fee | 21 | 21 | 20 | 61 | 70 | 57 | 39 | 42 | 37 |
| IMPUTED COSTS | 9,805 | 10,403 | 11,763 | 11,636 | 12,869 | 13,412 | 10,629 | 11,560 | 12,535 |
| Seeds | 167 | 169 | 165 | 36 | 41 | 34 | 105 | 113 | 101 |
| Fertilizer | 60 | 62 | 67 | 37 | 39 | 41 | 52 | 54 | 57 |
| Operator labor | 3,305 | 3,521 | 4,106 | 4,111 | 4,524 | 4,966 | 3,645 | 3,980 | 4,480 |
| Family labor | 3,441 | 3,666 | 4,275 | 3,439 | 3,784 | 4,154 | 3,442 | 3,758 | 4,231 |
| Exchange labor | 189 | 197 | 230 | 300 | 330 | 362 | 234 | 255 | 287 |
| Depreciation | 843 | 928 | 1,020 | 663 | 729 | 802 | 764 | 840 | 924 |
| Interest on operating capital | 844 | 896 | 960 | 1,017 | 1,080 | 1,156 | 920 | 976 | 1,045 |
| Rental value of owned land | 955 | 965 | 942 | 2,032 | 2,341 | 1,896 | 1,468 | 1,584 | 1,410 |
| TOTAL COSTS | 37,118 | 38,924 | 42,043 | 44,661 | 48,701 | 47,755 | 40,359 | 43,753 | 44,960 |
| GROSS RETURNS | 61,985 | 64,313 | 63,128 | 64,660 | 74,156 | 59,746 | 62,890 | 68,712 | 61,164 |
| RETURNS ABOVE CASH COSTS | 46,851 | 48,331 | 45,252 | 46,402 | 55,199 | 39,604 | 46,454 | 50,987 | 41,901 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 34,671 | 35,792 | 32,848 | 31,635 | 38,324 | 25,402 | 33,159 | 36,519 | 28,740 |
| NET RETURNS | 24,866 | 25,389 | 21,085 | 19,999 | 25,455 | 11,990 | 22,531 | 24,959 | 16,204 |
| NET PROFIT - COST RATIO | 0.67 | 0.65 | 0.50 | 0.45 | 0.52 | 0.25 | 0.56 | 0.57 | 0.36 |
| <i>Cost per kilogram (PhP)</i> | 11.21 | 11.44 | 12.29 | 12.14 | 13.30 | 13.11 | 11.65 | 12.47 | 12.81 |
| <i>Yield per hectare (kg)</i> | 3,312 | 3,403 | 3,422 | 3,678 | 3,661 | 3,642 | 3,465 | 3,510 | 3,509 |
| <i>Farmgate price (PhP/kg)</i> | 18.72 | 18.90 | 18.45 | 17.58 | 20.26 | 16.41 | 18.15 | 19.58 | 17.43 |

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Table 11B. Irrigated Palay: Updated Average Costs of Production, by Season, Eastern Visayas, 2017 - 2019

| ITEM | DRY SEASON | | | WET SEASON | | | ANNUAL | | |
|--|-----------------------------|--------|--------|------------|--------|--------|--------|--------|--------|
| | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| | <i>(in PhP per hectare)</i> | | | | | | | | |
| CASH COSTS | 21,900 | 23,096 | 25,930 | 24,701 | 26,866 | 28,592 | 23,312 | 25,105 | 27,352 |
| Seeds | 590 | 596 | 582 | 696 | 802 | 649 | 659 | 711 | 633 |
| Fertilizer | 3,736 | 3,901 | 4,164 | 3,874 | 4,089 | 4,291 | 3,818 | 4,009 | 4,242 |
| Pesticides | 759 | 710 | 750 | 478 | 472 | 448 | 616 | 585 | 599 |
| Hired labor | 13,811 | 14,714 | 17,159 | 16,121 | 17,738 | 19,473 | 14,917 | 16,287 | 18,335 |
| Land tax | 18 | 19 | 19 | 175 | 177 | 179 | 106 | 107 | 108 |
| Rentals | 103 | 110 | 128 | 1 | 1 | 1 | 48 | 52 | 59 |
| Fuel & Oil | 121 | 128 | 129 | 203 | 224 | 195 | 167 | 180 | 169 |
| Transport cost of inputs | 99 | 105 | 109 | 135 | 144 | 146 | 119 | 126 | 129 |
| Interest payment on crop loan | 229 | 252 | 277 | 122 | 134 | 148 | 171 | 188 | 206 |
| Irrigation fee | 334 | 337 | 329 | 168 | 194 | 157 | 236 | 255 | 227 |
| Sacks and tying materials | 235 | 247 | 253 | 227 | 241 | 242 | 231 | 244 | 247 |
| Electricity cost | 5 | 5 | 5 | | | | 2 | 2 | 2 |
| Food expense | 1,339 | 1,428 | 1,468 | 1,455 | 1,570 | 1,552 | 1,407 | 1,510 | 1,522 |
| Repairs | 520 | 544 | 560 | 1,046 | 1,080 | 1,110 | 816 | 849 | 873 |
| NON-CASH COSTS | 13,252 | 13,662 | 13,563 | 16,547 | 18,853 | 16,399 | 15,167 | 16,536 | 15,331 |
| Seeds | 394 | 397 | 388 | 362 | 417 | 338 | 377 | 407 | 362 |
| Fertilizer | 19 | 20 | 21 | | | | 9 | 9 | 10 |
| Hired labor in kind | 728 | 776 | 905 | 867 | 954 | 1,048 | 796 | 869 | 979 |
| Harvesters' share | 3,414 | 3,545 | 3,453 | 5,562 | 6,396 | 5,147 | 4,692 | 5,137 | 4,555 |
| Threshers' share | 3,109 | 3,228 | 3,144 | 3,098 | 3,563 | 2,867 | 3,113 | 3,408 | 3,022 |
| Landowner's share | 4,406 | 4,449 | 4,343 | 3,362 | 3,874 | 3,138 | 3,808 | 4,107 | 3,656 |
| Caretaker/overseers wages | 25 | 27 | 31 | 46 | 51 | 56 | 36 | 39 | 44 |
| Rentals | 551 | 560 | 560 | 313 | 361 | 292 | 415 | 448 | 406 |
| Interest payment on crop loan | 530 | 583 | 641 | 2,796 | 3,076 | 3,384 | 1,807 | 1,987 | 2,186 |
| Irrigation fee | 77 | 77 | 76 | 140 | 161 | 130 | 115 | 124 | 110 |
| IMPUTED COSTS | 11,600 | 12,293 | 13,900 | 13,194 | 14,606 | 15,032 | 12,496 | 13,571 | 14,595 |
| Seeds | 357 | 360 | 352 | 81 | 93 | 76 | 193 | 208 | 185 |
| Fertilizer | 24 | 25 | 26 | 73 | 77 | 81 | 51 | 54 | 57 |
| Operator labor | 4,719 | 5,028 | 5,863 | 4,662 | 5,130 | 5,632 | 4,641 | 5,067 | 5,704 |
| Family labor | 2,922 | 3,113 | 3,631 | 2,951 | 3,247 | 3,564 | 2,908 | 3,175 | 3,575 |
| Exchange labor | 731 | 778 | 908 | 597 | 656 | 721 | 652 | 712 | 801 |
| Depreciation | 421 | 463 | 510 | 553 | 608 | 669 | 495 | 544 | 599 |
| Interest on operating capital | 1,456 | 1,546 | 1,655 | 1,470 | 1,560 | 1,671 | 1,469 | 1,559 | 1,669 |
| Rental value of owned land | 970 | 980 | 956 | 2,807 | 3,234 | 2,620 | 2,088 | 2,252 | 2,005 |
| TOTAL COSTS | 46,753 | 49,051 | 53,393 | 54,441 | 60,325 | 60,023 | 50,976 | 55,212 | 57,278 |
| GROSS RETURNS | 78,929 | 81,964 | 79,838 | 75,496 | 86,824 | 69,869 | 77,156 | 84,473 | 74,906 |
| RETURNS ABOVE CASH COSTS | 57,028 | 58,868 | 53,907 | 50,795 | 59,958 | 41,277 | 53,843 | 59,368 | 47,555 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 43,776 | 45,205 | 40,345 | 34,248 | 41,105 | 24,878 | 38,676 | 42,832 | 32,224 |
| NET RETURNS | 32,176 | 32,913 | 26,444 | 21,055 | 26,499 | 9,846 | 26,180 | 29,261 | 17,628 |
| NET PROFIT - COST RATIO | 0.69 | 0.67 | 0.50 | 0.39 | 0.44 | 0.16 | 0.51 | 0.53 | 0.31 |
| <i>Cost per kilogram (PhP)</i> | 11.09 | 11.31 | 12.34 | 12.68 | 14.07 | 14.09 | 11.99 | 12.80 | 13.33 |
| <i>Yield per hectare (kg)</i> | 4,217 | 4,337 | 4,327 | 4,294 | 4,286 | 4,259 | 4,251 | 4,315 | 4,298 |
| <i>Farmgate price (PhP/kg)</i> | 18.72 | 18.90 | 18.45 | 17.58 | 20.26 | 16.41 | 18.15 | 19.58 | 17.43 |

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Table 11C. Non-Irrigated Palay: Updated Average Costs of Production, by Season, Eastern Visayas, 2017 - 2019

| ITEM | DRY SEASON | | | WET SEASON | | | ANNUAL | | |
|--|-----------------------------|--------|--------|------------|--------|--------|--------|--------|--------|
| | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| | <i>(in PhP per hectare)</i> | | | | | | | | |
| CASH COSTS | 12,699 | 13,418 | 14,963 | 12,969 | 14,155 | 15,091 | 12,848 | 13,878 | 15,058 |
| Seeds | 707 | 714 | 697 | 171 | 197 | 160 | 485 | 524 | 466 |
| Fertilizer | 746 | 777 | 826 | 460 | 486 | 509 | 680 | 713 | 754 |
| Pesticides | 254 | 238 | 251 | 202 | 200 | 190 | 238 | 226 | 231 |
| Hired labor | 7,701 | 8,204 | 9,567 | 9,017 | 9,921 | 10,891 | 8,224 | 8,980 | 10,109 |
| Land tax | 42 | 42 | 43 | 70 | 71 | 72 | 54 | 55 | 55 |
| Rentals | 324 | 345 | 402 | 508 | 560 | 609 | 393 | 429 | 482 |
| Fuel & Oil | 408 | 432 | 432 | 457 | 503 | 439 | 426 | 460 | 431 |
| Transport cost of inputs | 62 | 66 | 68 | 69 | 74 | 75 | 65 | 69 | 71 |
| Interest payment on crop loan | 31 | 35 | 38 | | | | 18 | 20 | 22 |
| Sacks and tying materials | 87 | 92 | 94 | 202 | 214 | 215 | 132 | 139 | 141 |
| Food expense | 1,521 | 1,623 | 1,668 | 1,228 | 1,326 | 1,310 | 1,405 | 1,508 | 1,520 |
| Repairs | 816 | 852 | 877 | 584 | 603 | 620 | 727 | 756 | 777 |
| NON-CASH COSTS | 10,983 | 11,307 | 11,120 | 13,669 | 15,644 | 12,661 | 11,966 | 13,006 | 11,612 |
| Seeds | 869 | 878 | 857 | 1,326 | 1,528 | 1,237 | 1,051 | 1,134 | 1,009 |
| Fertilizer | 9 | 9 | 10 | | | | 6 | 6 | 6 |
| Pesticides | 1 | 1 | 1 | | | | 1 | 1 | 1 |
| Hired labor in kind | 410 | 436 | 509 | 103 | 113 | 124 | 299 | 326 | 367 |
| Harvesters' share | 4,781 | 4,970 | 4,850 | 5,128 | 5,860 | 4,645 | 4,913 | 5,363 | 4,720 |
| Threshers' share | 1,752 | 1,821 | 1,777 | 3,270 | 3,737 | 2,962 | 2,289 | 2,499 | 2,199 |
| Landowner's share | 3,001 | 3,030 | 2,958 | 3,202 | 3,689 | 2,988 | 3,067 | 3,308 | 2,945 |
| Caretaker/overseers wages | | | | 13 | 14 | 16 | 4 | 5 | 5 |
| Rentals | 160 | 162 | 158 | 491 | 553 | 523 | 283 | 306 | 295 |
| Interest payment on crop loan | | | | 137 | 150 | 165 | 53 | 59 | 64 |
| IMPUTED COSTS | 9,199 | 9,771 | 11,048 | 10,407 | 11,504 | 12,126 | 9,687 | 10,548 | 11,499 |
| Seeds | 98 | 99 | 97 | | | | 57 | 62 | 55 |
| Fertilizer | 74 | 77 | 82 | | | | 45 | 47 | 50 |
| Operator labor | 2,831 | 3,016 | 3,517 | 3,731 | 4,105 | 4,507 | 3,175 | 3,467 | 3,903 |
| Family labor | 3,613 | 3,850 | 4,489 | 3,779 | 4,159 | 4,565 | 3,696 | 4,036 | 4,543 |
| Exchange labor | 2 | 3 | 3 | 92 | 101 | 111 | 36 | 39 | 44 |
| Depreciation | 985 | 1,083 | 1,192 | 742 | 816 | 897 | 892 | 981 | 1,079 |
| Interest on operating capital | 632 | 670 | 718 | 592 | 628 | 672 | 622 | 660 | 707 |
| Rental value of owned land | 963 | 973 | 950 | 1,472 | 1,696 | 1,373 | 1,164 | 1,255 | 1,117 |
| TOTAL COSTS | 32,881 | 34,497 | 37,130 | 37,045 | 41,303 | 39,878 | 34,501 | 37,432 | 38,169 |
| GROSS RETURNS | 48,585 | 50,507 | 49,287 | 54,486 | 62,263 | 49,359 | 50,764 | 55,412 | 48,762 |
| RETURNS ABOVE CASH COSTS | 35,887 | 37,088 | 34,324 | 41,518 | 48,108 | 34,268 | 37,917 | 41,534 | 33,704 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 24,904 | 25,781 | 23,204 | 27,849 | 32,464 | 21,607 | 25,951 | 28,528 | 22,092 |
| NET RETURNS | 15,704 | 16,010 | 12,157 | 17,442 | 20,960 | 9,481 | 16,263 | 17,980 | 10,593 |
| NET PROFIT - COST RATIO | 0.48 | 0.46 | 0.33 | 0.47 | 0.51 | 0.24 | 0.47 | 0.48 | 0.28 |
| <i>Cost per kilogram (PhP)</i> | 12.67 | 12.91 | 13.90 | 11.95 | 13.44 | 13.26 | 12.34 | 13.23 | 13.64 |
| <i>Yield per hectare (kg)</i> | 2,596 | 2,673 | 2,671 | 3,099 | 3,074 | 3,008 | 2,797 | 2,830 | 2,798 |
| <i>Farmgate price (PhP/kg)</i> | 18.72 | 18.90 | 18.45 | 17.58 | 20.26 | 16.41 | 18.15 | 19.58 | 17.43 |

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Table 12A. All Palay: Updated Average Costs of Production, by Season, Zamboanga Peninsula, 2017 - 2019

| ITEM | DRY SEASON | | | WET SEASON | | | ANNUAL | | |
|--|-----------------------------|--------|--------|------------|--------|--------|--------|--------|--------|
| | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| | <i>(in PhP per hectare)</i> | | | | | | | | |
| CASH COSTS | 23,044 | 24,190 | 25,316 | 22,524 | 25,706 | 26,109 | 23,030 | 24,099 | 25,248 |
| Seeds | 735 | 780 | 755 | 832 | 951 | 698 | 792 | 872 | 741 |
| Fertilizer | 3,362 | 3,557 | 3,893 | 4,488 | 4,907 | 5,084 | 3,926 | 4,225 | 4,494 |
| Pesticides | 1,744 | 1,719 | 1,617 | 2,043 | 2,147 | 2,122 | 1,915 | 1,930 | 1,850 |
| Hired labor | 11,719 | 12,349 | 13,146 | 9,622 | 11,786 | 12,341 | 10,859 | 11,228 | 12,280 |
| Land tax | 184 | 185 | 187 | 208 | 210 | 212 | 197 | 199 | 201 |
| Caretaker/overseer's wages | 181 | 191 | 203 | 2 | 2 | 3 | 81 | 84 | 92 |
| Other permanent employee's salary | | | | 144 | 176 | 189 | 84 | 86 | 95 |
| Rentals | 278 | 294 | 299 | 216 | 262 | 269 | 250 | 263 | 267 |
| Fuel & Oil | 555 | 586 | 564 | 632 | 644 | 633 | 598 | 621 | 604 |
| Transport cost of inputs | 175 | 183 | 184 | 197 | 208 | 207 | 188 | 197 | 197 |
| Interest payment on crop loan | 656 | 721 | 794 | 469 | 516 | 568 | 555 | 611 | 672 |
| Irrigation fee | 465 | 493 | 477 | 508 | 581 | 427 | 492 | 542 | 461 |
| Sacks and tying materials | 424 | 448 | 457 | 308 | 330 | 329 | 361 | 384 | 388 |
| Food expense | 677 | 718 | 742 | 739 | 808 | 797 | 711 | 766 | 774 |
| Repairs | 1,888 | 1,965 | 1,998 | 2,110 | 2,172 | 2,224 | 2,017 | 2,088 | 2,130 |
| Others ^{a/} | | | | 5 | 6 | 6 | 3 | 3 | 3 |
| NON-CASH COSTS | 14,642 | 15,315 | 15,038 | 13,088 | 15,363 | 12,180 | 13,800 | 15,084 | 13,440 |
| Seeds | 683 | 725 | 701 | 942 | 1,076 | 790 | 833 | 916 | 779 |
| Fertilizer | 71 | 75 | 82 | 61 | 67 | 69 | 65 | 70 | 74 |
| Pesticides | 4 | 4 | 4 | 7 | 7 | 7 | 6 | 6 | 6 |
| Hired labor in kind | 614 | 648 | 689 | 706 | 864 | 927 | 606 | 627 | 686 |
| Harvesters' share | 2,673 | 2,711 | 2,562 | 3,007 | 3,609 | 2,700 | 2,883 | 3,204 | 2,726 |
| Threshers' share | 1,685 | 1,708 | 1,615 | 1,661 | 1,994 | 1,492 | 1,679 | 1,866 | 1,587 |
| Landowner's share | 5,834 | 6,191 | 5,989 | 4,504 | 5,148 | 3,780 | 5,099 | 5,613 | 4,771 |
| Caretaker/overseers wages | 2,178 | 2,295 | 2,443 | 908 | 1,113 | 1,194 | 1,500 | 1,551 | 1,697 |
| Rentals | 718 | 761 | 744 | 1,154 | 1,336 | 1,073 | 972 | 1,059 | 942 |
| Interest payment on crop loan | 116 | 128 | 141 | | | | 53 | 59 | 64 |
| Irrigation fee | 65 | 69 | 67 | | | | 29 | 31 | 27 |
| Sacks and tying materials | | | | 138 | 147 | 147 | 76 | 81 | 82 |
| IMPUTED COSTS | 10,745 | 11,434 | 11,680 | 12,235 | 14,064 | 25,636 | 11,717 | 12,645 | 12,179 |
| Seeds | 318 | 338 | 327 | 185 | 211 | 155 | 244 | 269 | 228 |
| Fertilizer | 104 | 110 | 121 | 18 | 20 | 21 | 62 | 67 | 71 |
| Pesticides | 51 | 50 | 47 | 12 | 12 | 12 | 31 | 31 | 30 |
| Operator labor | 1,536 | 1,618 | 1,723 | 1,932 | 2,367 | 10,823 | 1,817 | 1,878 | 2,054 |
| Family labor | 894 | 942 | 1,003 | 1,035 | 1,268 | 5,798 | 1,005 | 1,039 | 1,137 |
| Exchange labor | 58 | 61 | 65 | 73 | 89 | 409 | 69 | 71 | 78 |
| Depreciation | 1,399 | 1,539 | 1,692 | 1,252 | 1,378 | 1,515 | 1,319 | 1,451 | 1,596 |
| Interest on operating capital | 1,339 | 1,421 | 1,522 | 1,401 | 1,487 | 1,592 | 1,373 | 1,457 | 1,560 |
| Rental value of owned land | 5,043 | 5,351 | 5,177 | 6,327 | 7,232 | 5,310 | 5,796 | 6,380 | 5,424 |
| Transport cost of inputs | 1 | 1 | 1 | | | | 1 | 1 | 1 |
| Sacks and tying materials | 2 | 2 | 2 | | | | 1 | 1 | 1 |
| TOTAL COSTS | 48,432 | 50,939 | 52,034 | 47,848 | 55,133 | 63,925 | 48,547 | 51,828 | 50,867 |
| GROSS RETURNS | 83,549 | 84,715 | 80,069 | 73,950 | 88,761 | 66,392 | 78,233 | 86,969 | 73,981 |
| RETURNS ABOVE CASH COSTS | 60,505 | 60,525 | 54,752 | 51,426 | 63,054 | 40,283 | 55,203 | 62,870 | 48,733 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 45,863 | 45,211 | 39,715 | 38,338 | 47,691 | 28,103 | 41,403 | 47,787 | 35,293 |
| NET RETURNS | 35,117 | 33,776 | 28,034 | 26,103 | 33,627 | 2,468 | 29,685 | 35,141 | 23,113 |
| NET PROFIT - COST RATIO | 0.73 | 0.66 | 0.54 | 0.55 | 0.61 | 0.04 | 0.61 | 0.68 | 0.45 |
| <i>Cost per kilogram (PhP)</i> | 11.49 | 12.65 | 13.23 | 12.08 | 13.26 | 15.09 | 11.95 | 12.63 | 12.38 |
| <i>Yield per hectare (kg)</i> | 4,214 | 4,026 | 3,934 | 3,961 | 4,159 | 4,237 | 4,064 | 4,104 | 4,107 |
| <i>Farmgate price (PhP/kg)</i> | 19.83 | 21.04 | 20.36 | 18.67 | 21.34 | 15.67 | 19.25 | 21.19 | 18.01 |

^{a/} all other cost items not elsewhere classified

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Table 12B. Irrigated Palay: Updated Average Costs of Production, by Season, Zamboanga Peninsula, 2017 - 2019

| ITEM | DRY SEASON | | | WET SEASON | | | ANNUAL | | |
|--|-----------------------------|--------|--------|------------|--------|--------|--------|--------|--------|
| | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| | <i>(in PhP per hectare)</i> | | | | | | | | |
| CASH COSTS | 25,652 | 27,342 | 28,558 | 24,064 | 27,935 | 28,698 | 25,129 | 26,680 | 27,907 |
| Seeds | 758 | 804 | 778 | 776 | 887 | 652 | 772 | 850 | 723 |
| Fertilizer | 3,729 | 4,341 | 4,687 | 3,974 | 4,702 | 4,866 | 3,852 | 4,522 | 4,779 |
| Pesticides | 1,696 | 1,672 | 1,572 | 1,766 | 1,856 | 1,835 | 1,736 | 1,750 | 1,677 |
| Hired labor | 12,447 | 13,116 | 13,962 | 10,990 | 13,462 | 14,445 | 11,974 | 12,381 | 13,541 |
| Land tax | 243 | 245 | 248 | 252 | 254 | 257 | 248 | 250 | 253 |
| Caretaker/overseer's wages | 322 | 339 | 361 | | | | 140 | 145 | 159 |
| Other permanent employee's salary | | | | 249 | 305 | 328 | 148 | 153 | 167 |
| Rentals | 457 | 483 | 489 | 217 | 266 | 285 | 328 | 346 | 350 |
| Fuel & Oil | 598 | 632 | 608 | 722 | 735 | 723 | 669 | 694 | 675 |
| Transport cost of inputs | 194 | 203 | 204 | 200 | 212 | 211 | 197 | 207 | 207 |
| Interest payment on crop loan | 836 | 920 | 1,012 | 541 | 595 | 654 | 675 | 743 | 817 |
| Irrigation fee | 819 | 869 | 841 | 893 | 1,021 | 750 | 864 | 951 | 809 |
| Sacks and tying materials | 357 | 377 | 384 | 255 | 273 | 273 | 300 | 319 | 322 |
| Food expense | 784 | 831 | 859 | 672 | 735 | 725 | 725 | 780 | 788 |
| Repairs | 2,413 | 2,511 | 2,554 | 2,549 | 2,624 | 2,688 | 2,498 | 2,586 | 2,637 |
| Others ^{a/} | | | | 6 | 7 | 7 | 3 | 3 | 3 |
| NON-CASH COSTS | 15,415 | 16,236 | 16,094 | 14,042 | 16,276 | 12,849 | 14,789 | 16,073 | 14,490 |
| Seeds | 580 | 615 | 595 | 910 | 1,040 | 764 | 770 | 848 | 721 |
| Fertilizer | 91 | 106 | 115 | 92 | 109 | 113 | 91 | 107 | 113 |
| Pesticides | 7 | 7 | 7 | 12 | 12 | 12 | 10 | 10 | 10 |
| Hired labor in kind | 786 | 828 | 882 | 589 | 721 | 774 | 696 | 719 | 787 |
| Harvesters' share | 1,679 | 1,720 | 1,612 | 2,399 | 2,807 | 2,121 | 2,117 | 2,321 | 1,995 |
| Threshers' share | 1,213 | 1,242 | 1,164 | 1,423 | 1,664 | 1,258 | 1,346 | 1,476 | 1,268 |
| Landowner's share | 6,486 | 6,882 | 6,658 | 6,204 | 7,091 | 5,207 | 6,354 | 6,994 | 5,946 |
| Caretaker/overseers wages | 3,410 | 3,594 | 3,825 | 928 | 1,136 | 1,219 | 2,050 | 2,120 | 2,319 |
| Rentals | 845 | 897 | 872 | 1,247 | 1,439 | 1,126 | 1,081 | 1,183 | 1,035 |
| Interest payment on crop loan | 203 | 224 | 246 | | | | 92 | 101 | 111 |
| Irrigation fee | 114 | 121 | 117 | | | | 49 | 53 | 45 |
| Sacks and tying materials | | | | 239 | 256 | 256 | 132 | 140 | 142 |
| IMPUTED COSTS | 10,916 | 11,627 | 11,898 | 13,302 | 15,286 | 13,377 | 12,408 | 13,411 | 12,822 |
| Seeds | 230 | 244 | 236 | 192 | 220 | 161 | 209 | 230 | 196 |
| Fertilizer | 186 | 217 | 234 | 29 | 34 | 35 | 102 | 119 | 126 |
| Pesticides | 90 | 88 | 83 | 12 | 12 | 12 | 47 | 48 | 46 |
| Operator labor | 1,567 | 1,651 | 1,758 | 1,694 | 2,075 | 2,227 | 1,691 | 1,749 | 1,913 |
| Family labor | 1,032 | 1,087 | 1,157 | 1,192 | 1,460 | 1,567 | 1,160 | 1,199 | 1,311 |
| Exchange labor | 86 | 90 | 96 | 41 | 50 | 53 | 61 | 63 | 69 |
| Depreciation | 1,327 | 1,460 | 1,606 | 1,083 | 1,191 | 1,310 | 1,194 | 1,314 | 1,445 |
| Interest on operating capital | 1,452 | 1,541 | 1,650 | 1,369 | 1,453 | 1,556 | 1,409 | 1,496 | 1,602 |
| Rental value of owned land | 4,946 | 5,248 | 5,078 | 7,691 | 8,791 | 6,455 | 6,535 | 7,193 | 6,115 |
| TOTAL COSTS | 51,983 | 55,205 | 56,550 | 51,408 | 59,497 | 54,923 | 52,327 | 56,164 | 55,219 |
| GROSS RETURNS | 91,788 | 94,007 | 88,134 | 82,547 | 96,584 | 72,974 | 86,977 | 95,343 | 81,942 |
| RETURNS ABOVE CASH COSTS | 66,136 | 66,666 | 59,576 | 58,483 | 68,649 | 44,276 | 61,847 | 68,663 | 54,035 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 50,720 | 50,430 | 43,482 | 44,441 | 52,373 | 31,428 | 47,058 | 52,590 | 39,545 |
| NET RETURNS | 39,805 | 38,802 | 31,584 | 31,139 | 37,087 | 18,051 | 34,650 | 39,179 | 26,722 |
| NET PROFIT - COST RATIO | 0.77 | 0.70 | 0.56 | 0.61 | 0.62 | 0.33 | 0.66 | 0.70 | 0.48 |
| <i>Cost per kilogram (PhP)</i> | 11.23 | 12.36 | 13.06 | 11.63 | 13.15 | 11.79 | 11.58 | 12.48 | 12.14 |
| <i>Yield per hectare (kg)</i> | 4,629 | 4,468 | 4,330 | 4,421 | 4,526 | 4,657 | 4,518 | 4,499 | 4,549 |
| <i>Farmgate price (PhP/kg)</i> | 19.83 | 21.04 | 20.36 | 18.67 | 21.34 | 15.67 | 19.25 | 21.19 | 18.01 |

^{a/} all other cost items not elsewhere classified

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Table 12C. Non-Irrigated Palay: Updated Average Costs of Production, by Season, Zamboanga Peninsula, 2017 - 2019

| ITEM | DRY SEASON | | | WET SEASON | | | ANNUAL | | |
|--|-----------------------------|--------|--------|------------|--------|--------|--------|--------|--------|
| | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| | <i>(in PhP per hectare)</i> | | | | | | | | |
| CASH COSTS | 18,821 | 17,787 | 18,609 | 20,178 | 21,850 | 22,416 | 19,488 | 20,376 | 21,360 |
| Seeds | 707 | 750 | 726 | 901 | 1,029 | 756 | 821 | 904 | 768 |
| Fertilizer | 2,885 | 3,067 | 3,368 | 4,549 | 4,969 | 5,143 | 3,451 | 3,718 | 3,955 |
| Pesticides | 1,655 | 1,631 | 1,534 | 2,444 | 2,569 | 2,539 | 2,093 | 2,110 | 2,022 |
| Hired labor | 10,093 | 8,668 | 9,227 | 8,107 | 8,853 | 9,500 | 9,251 | 9,565 | 10,462 |
| Land tax | 105 | 106 | 107 | 148 | 149 | 151 | 129 | 130 | 131 |
| Caretaker/overseer's wages | | | | 5 | 6 | 7 | 2 | 2 | 2 |
| Rentals | 47 | 50 | 53 | 214 | 256 | 245 | 145 | 153 | 156 |
| Fuel & Oil | 498 | 526 | 506 | 510 | 520 | 511 | 506 | 525 | 511 |
| Transport cost of inputs | 152 | 158 | 159 | 193 | 204 | 203 | 174 | 183 | 183 |
| Interest payment on crop loan | 424 | 466 | 512 | 375 | 413 | 454 | 397 | 437 | 480 |
| Sacks and tying materials | 508 | 537 | 547 | 382 | 408 | 408 | 440 | 468 | 472 |
| Food expense | 537 | 569 | 588 | 830 | 907 | 895 | 695 | 748 | 756 |
| Repairs | 1,209 | 1,258 | 1,280 | 1,516 | 1,560 | 1,598 | 1,381 | 1,430 | 1,458 |
| Others ^{a/} | | | | 5 | 6 | 6 | 3 | 3 | 3 |
| NON-CASH COSTS | 13,332 | 14,002 | 13,464 | 12,053 | 14,577 | 11,472 | 12,710 | 14,216 | 12,381 |
| Seeds | 822 | 872 | 844 | 980 | 1,120 | 822 | 916 | 1,008 | 857 |
| Fertilizer | 47 | 50 | 55 | | | | 21 | 23 | 24 |
| Hired labor in kind | 389 | 410 | 437 | 864 | 1,058 | 1,135 | 677 | 700 | 766 |
| Harvesters' share | 3,775 | 3,919 | 3,664 | 3,991 | 4,979 | 3,605 | 3,922 | 4,536 | 3,771 |
| Threshers' share | 2,176 | 2,259 | 2,112 | 2,067 | 2,578 | 1,867 | 2,127 | 2,461 | 2,045 |
| Landowner's share | 4,992 | 5,297 | 5,124 | 2,243 | 2,564 | 1,882 | 3,441 | 3,788 | 3,220 |
| Caretaker/overseers wages | 582 | 614 | 653 | 881 | 1,079 | 1,158 | 774 | 800 | 875 |
| Rentals | 548 | 580 | 575 | 1,028 | 1,199 | 1,001 | 832 | 900 | 822 |
| IMPUTED COSTS | 11,673 | 12,419 | 12,706 | 10,728 | 12,348 | 11,478 | 10,712 | 11,549 | 11,240 |
| Seeds | 437 | 463 | 448 | 177 | 202 | 148 | 289 | 319 | 271 |
| Pesticides | 4 | 4 | 4 | | | | 2 | 2 | 2 |
| Operator labor | 2,186 | 2,303 | 2,452 | 2,256 | 2,763 | 2,965 | 1,984 | 2,051 | 2,243 |
| Family labor | 1,147 | 1,209 | 1,287 | 822 | 1,007 | 1,081 | 801 | 828 | 905 |
| Exchange labor | 35 | 37 | 40 | 119 | 145 | 156 | 79 | 82 | 90 |
| Depreciation | 1,490 | 1,638 | 1,802 | 1,480 | 1,628 | 1,791 | 1,485 | 1,633 | 1,796 |
| Interest on operating capital | 1,176 | 1,248 | 1,336 | 1,370 | 1,454 | 1,558 | 1,246 | 1,322 | 1,416 |
| Rental value of owned land | 5,192 | 5,509 | 5,330 | 4,504 | 5,148 | 3,780 | 4,822 | 5,308 | 4,512 |
| Transport cost of inputs | 3 | 3 | 3 | | | | 2 | 2 | 2 |
| Sacks and tying materials | 4 | 4 | 4 | | | | 2 | 2 | 2 |
| TOTAL COSTS | 43,826 | 44,208 | 44,778 | 42,959 | 48,774 | 45,365 | 42,910 | 46,142 | 44,981 |
| GROSS RETURNS | 67,151 | 69,710 | 65,167 | 64,454 | 80,405 | 58,225 | 66,044 | 76,385 | 63,500 |
| RETURNS ABOVE CASH COSTS | 48,331 | 51,923 | 46,558 | 44,277 | 58,555 | 35,810 | 46,556 | 56,009 | 42,140 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 34,999 | 37,921 | 33,095 | 32,223 | 43,979 | 24,338 | 33,845 | 41,793 | 29,758 |
| NET RETURNS | 23,326 | 25,502 | 20,389 | 21,496 | 31,631 | 12,860 | 23,133 | 30,244 | 18,518 |
| NET PROFIT - COST RATIO | 0.53 | 0.58 | 0.46 | 0.50 | 0.65 | 0.28 | 0.54 | 0.66 | 0.41 |
| <i>Cost per kilogram (PhP)</i> | 12.94 | 13.34 | 13.99 | 12.44 | 12.95 | 12.21 | 12.51 | 12.80 | 12.76 |
| <i>Yield per hectare (kg)</i> | 3,387 | 3,313 | 3,202 | 3,452 | 3,768 | 3,716 | 3,431 | 3,605 | 3,525 |
| <i>Farmgate price (PhP/kg)</i> | 19.83 | 21.04 | 20.36 | 18.67 | 21.34 | 15.67 | 19.25 | 21.19 | 18.01 |

^{a/} all other cost items not elsewhere classified

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Table 13A. All Palay: Updated Average Costs of Production, by Season, Northern Mindanao, 2017 - 2019

| ITEM | DRY SEASON | | | WET SEASON | | | ANNUAL | | |
|--|-----------------------------|--------|--------|------------|---------|--------|--------|--------|--------|
| | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| | <i>(in PhP per hectare)</i> | | | | | | | | |
| CASH COSTS | 28,659 | 29,924 | 31,904 | 21,248 | 22,435 | 23,306 | 24,951 | 26,381 | 27,622 |
| Seeds | 1,529 | 1,618 | 1,495 | 976 | 1,035 | 814 | 1,251 | 1,324 | 1,132 |
| Fertilizer | 5,038 | 5,484 | 6,040 | 4,557 | 5,142 | 5,369 | 4,800 | 5,324 | 5,705 |
| Pesticides | 1,743 | 1,753 | 1,792 | 1,681 | 1,464 | 1,406 | 1,668 | 1,725 | 1,599 |
| Hired labor | 12,002 | 12,369 | 13,596 | 9,664 | 10,149 | 11,152 | 10,848 | 11,294 | 12,406 |
| Land tax | 144 | 145 | 147 | 180 | 181 | 183 | 162 | 164 | 165 |
| Caretaker/overseer's wages | 288 | 297 | 327 | 337 | 354 | 389 | 311 | 324 | 355 |
| Other permanent employee's salary | 422 | 435 | 478 | 85 | 89 | 98 | 256 | 267 | 293 |
| Rentals | 1,355 | 1,402 | 1,505 | 18 | 19 | 21 | 695 | 725 | 771 |
| Fuel & Oil | 692 | 711 | 773 | 616 | 672 | 686 | 653 | 692 | 729 |
| Transport cost of inputs | 361 | 386 | 391 | 142 | 154 | 154 | 255 | 274 | 275 |
| Interest payment on crop loan | 536 | 590 | 649 | 180 | 198 | 218 | 363 | 399 | 439 |
| Irrigation fee | 1,399 | 1,479 | 1,367 | 760 | 805 | 634 | 1,077 | 1,140 | 975 |
| Sacks and tying materials | 625 | 651 | 678 | 479 | 509 | 517 | 553 | 582 | 599 |
| Electricity cost | 6 | 6 | 7 | 2 | 3 | 3 | 4 | 4 | 4 |
| Food expense | 948 | 996 | 1,030 | 1,001 | 1,076 | 1,071 | 975 | 1,036 | 1,051 |
| Repairs | 1,569 | 1,603 | 1,630 | 569 | 584 | 592 | 1,080 | 1,106 | 1,122 |
| NON-CASH COSTS | 13,026 | 13,698 | 13,050 | 15,393 | 16,595 | 13,895 | 14,207 | 15,155 | 13,572 |
| Seeds | 519 | 549 | 508 | 955 | 1,012 | 796 | 738 | 781 | 668 |
| Fertilizer | 24 | 26 | 28 | | | | 12 | 13 | 14 |
| Pesticides | | | | 27 | 24 | 23 | 10 | 10 | 10 |
| Hired labor in kind | 634 | 654 | 718 | 619 | 650 | 715 | 628 | 654 | 718 |
| Harvesters' share | 3,704 | 3,904 | 3,598 | 4,930 | 5,392 | 4,298 | 4,320 | 4,653 | 4,004 |
| Threshers' share | 2,539 | 2,676 | 2,467 | 3,332 | 3,644 | 2,905 | 2,937 | 3,164 | 2,723 |
| Landowner's share | 2,758 | 2,917 | 2,697 | 3,258 | 3,453 | 2,717 | 3,009 | 3,186 | 2,724 |
| Caretaker/overseers wages | 1,043 | 1,075 | 1,181 | 1,024 | 1,076 | 1,182 | 1,032 | 1,075 | 1,181 |
| Other permanent employee's salary | 87 | 90 | 99 | | | | 45 | 47 | 51 |
| Rentals | 1,410 | 1,481 | 1,443 | 542 | 575 | 456 | 976 | 1,029 | 934 |
| Interest payment on crop loan | 40 | 44 | 48 | 575 | 632 | 695 | 303 | 333 | 366 |
| Irrigation fee | 268 | 283 | 262 | 131 | 138 | 109 | 199 | 210 | 180 |
| IMPUTED COSTS | 13,849 | 14,582 | 14,987 | 10,929 | 11,577 | 11,207 | 12,385 | 13,085 | 13,066 |
| Seeds | 62 | 66 | 61 | 108 | 114 | 90 | 85 | 90 | 77 |
| Fertilizer | 33 | 36 | 40 | 138 | 156 | 163 | 86 | 96 | 103 |
| Pesticides | | | | 7 | 6 | 6 | 2 | 2 | 2 |
| Operator labor | 2,770 | 2,854 | 3,137 | 2,795 | 2,935 | 3,225 | 2,779 | 2,893 | 3,178 |
| Family labor | 2,380 | 2,453 | 2,696 | 1,146 | 1,203 | 1,322 | 1,772 | 1,845 | 2,027 |
| Exchange labor | 24 | 25 | 27 | 437 | 459 | 504 | 225 | 235 | 258 |
| Depreciation | 1,592 | 1,752 | 1,927 | 655 | 720 | 792 | 1,135 | 1,248 | 1,373 |
| Interest on operating capital | 1,676 | 1,779 | 1,905 | 1,305 | 1,386 | 1,484 | 1,484 | 1,575 | 1,686 |
| Rental value of owned land | 5,308 | 5,614 | 5,190 | 4,324 | 4,582 | 3,605 | 4,808 | 5,091 | 4,353 |
| Sacks and tying materials | 3 | 3 | 3 | 15 | 16 | 16 | 8 | 9 | 9 |
| TOTAL COSTS | 55,534 | 58,205 | 59,941 | 47,570 | 50,607 | 48,408 | 51,543 | 54,621 | 54,260 |
| GROSS RETURNS | 86,705 | 91,383 | 84,238 | 94,494 | 103,349 | 82,383 | 90,890 | 97,912 | 84,242 |
| RETURNS ABOVE CASH COSTS | 58,047 | 61,458 | 52,334 | 73,246 | 80,914 | 59,077 | 65,939 | 71,531 | 56,620 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 45,020 | 47,760 | 39,284 | 57,853 | 64,319 | 45,182 | 51,732 | 56,376 | 43,048 |
| NET RETURNS | 31,172 | 33,178 | 24,298 | 46,924 | 52,742 | 33,975 | 39,347 | 43,291 | 29,982 |
| NET PROFIT - COST RATIO | 0.56 | 0.57 | 0.41 | 0.99 | 1.04 | 0.70 | 0.76 | 0.79 | 0.55 |
| <i>Cost per kilogram (PhP)</i> | 12.72 | 13.38 | 13.82 | 10.15 | 10.46 | 9.88 | 11.35 | 11.82 | 11.67 |
| <i>Yield per hectare (kg)</i> | 4,365 | 4,349 | 4,337 | 4,687 | 4,837 | 4,900 | 4,542 | 4,621 | 4,650 |
| <i>Farmgate price (PhP/kg)</i> | 19.86 | 21.01 | 19.42 | 20.16 | 21.37 | 16.81 | 20.01 | 21.19 | 18.12 |

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Table 13B. Irrigated Palay: Updated Average Costs of Production, by Season, Northern Mindanao, 2017 - 2019

| ITEM | DRY SEASON | | | WET SEASON | | | ANNUAL | | |
|--|-----------------------------|--------|--------|------------|---------|--------|--------|---------|--------|
| | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| | <i>(in PhP per hectare)</i> | | | | | | | | |
| CASH COSTS | 29,122 | 30,678 | 32,670 | 25,323 | 26,692 | 27,663 | 27,380 | 29,059 | 30,421 |
| Seeds | 1,560 | 1,650 | 1,525 | 1,265 | 1,340 | 1,055 | 1,431 | 1,515 | 1,295 |
| Fertilizer | 5,177 | 5,887 | 6,418 | 5,469 | 6,076 | 6,345 | 5,300 | 5,979 | 6,381 |
| Pesticides | 1,347 | 1,354 | 1,385 | 1,784 | 1,554 | 1,492 | 1,455 | 1,505 | 1,395 |
| Hired labor | 12,298 | 12,674 | 13,931 | 11,298 | 11,865 | 13,037 | 11,855 | 12,342 | 13,557 |
| Land tax | 139 | 140 | 142 | 173 | 175 | 177 | 153 | 155 | 156 |
| Caretaker/overseer's wages | 313 | 322 | 354 | 468 | 491 | 540 | 379 | 394 | 433 |
| Other permanent employee's salary | 460 | 474 | 521 | 118 | 124 | 136 | 312 | 325 | 357 |
| Rentals | 1,334 | 1,378 | 1,490 | 23 | 24 | 26 | 767 | 800 | 859 |
| Fuel & Oil | 736 | 755 | 821 | 817 | 891 | 911 | 769 | 814 | 858 |
| Transport cost of inputs | 354 | 379 | 384 | 120 | 130 | 129 | 255 | 274 | 275 |
| Interest payment on crop loan | 584 | 643 | 707 | 250 | 276 | 303 | 442 | 486 | 534 |
| Irrigation fee | 1,518 | 1,606 | 1,484 | 1,085 | 1,150 | 905 | 1,329 | 1,407 | 1,203 |
| Sacks and tying materials | 643 | 669 | 698 | 522 | 555 | 564 | 589 | 620 | 638 |
| Electricity cost | 7 | 8 | 8 | 2 | 3 | 3 | 5 | 5 | 5 |
| Food expense | 996 | 1,045 | 1,081 | 1,212 | 1,302 | 1,297 | 1,087 | 1,154 | 1,171 |
| Repairs | 1,657 | 1,693 | 1,721 | 717 | 736 | 745 | 1,254 | 1,284 | 1,302 |
| NON-CASH COSTS | 13,585 | 14,297 | 13,631 | 18,104 | 19,464 | 16,393 | 15,601 | 16,621 | 14,922 |
| Seeds | 480 | 508 | 470 | 829 | 879 | 691 | 633 | 670 | 573 |
| Fertilizer | 26 | 30 | 33 | | | | 16 | 18 | 19 |
| Pesticides | | | | 34 | 30 | 29 | 15 | 16 | 15 |
| Hired labor in kind | 692 | 713 | 783 | 811 | 852 | 936 | 742 | 773 | 849 |
| Harvesters' share | 3,729 | 3,937 | 3,625 | 5,157 | 5,619 | 4,467 | 4,385 | 4,717 | 4,049 |
| Threshers' share | 2,568 | 2,711 | 2,496 | 4,061 | 4,425 | 3,518 | 3,241 | 3,487 | 2,993 |
| Landowner's share | 2,995 | 3,168 | 2,929 | 4,091 | 4,336 | 3,412 | 3,471 | 3,675 | 3,142 |
| Caretaker/overseers wages | 1,135 | 1,169 | 1,285 | 1,428 | 1,499 | 1,647 | 1,259 | 1,311 | 1,440 |
| Other permanent employee's salary | 95 | 98 | 107 | | | | 53 | 55 | 61 |
| Rentals | 1,532 | 1,608 | 1,567 | 773 | 819 | 649 | 1,203 | 1,269 | 1,151 |
| Interest payment on crop loan | 44 | 48 | 53 | 734 | 808 | 889 | 338 | 371 | 408 |
| Irrigation fee | 289 | 306 | 283 | 187 | 198 | 156 | 245 | 259 | 222 |
| IMPUTED COSTS | 13,296 | 14,016 | 14,387 | 12,157 | 12,884 | 12,397 | 12,800 | 13,536 | 13,478 |
| Seeds | 61 | 65 | 60 | 123 | 131 | 103 | 89 | 94 | 80 |
| Fertilizer | 40 | 45 | 49 | 153 | 170 | 178 | 88 | 100 | 106 |
| Pesticides | | | | 7 | 6 | 6 | 2 | 2 | 2 |
| Operator labor | 2,576 | 2,655 | 2,918 | 2,663 | 2,796 | 3,073 | 2,611 | 2,718 | 2,986 |
| Family labor | 2,087 | 2,151 | 2,364 | 1,185 | 1,244 | 1,367 | 1,697 | 1,767 | 1,941 |
| Exchange labor | 27 | 28 | 31 | 610 | 641 | 704 | 276 | 288 | 316 |
| Depreciation | 1,658 | 1,823 | 2,006 | 847 | 932 | 1,025 | 1,313 | 1,444 | 1,589 |
| Interest on operating capital | 1,656 | 1,757 | 1,882 | 1,533 | 1,627 | 1,742 | 1,602 | 1,701 | 1,821 |
| Rental value of owned land | 5,188 | 5,488 | 5,073 | 5,033 | 5,333 | 4,196 | 5,119 | 5,420 | 4,634 |
| Sacks and tying materials | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 |
| TOTAL COSTS | 56,004 | 58,991 | 60,688 | 55,584 | 59,040 | 56,453 | 55,780 | 59,217 | 58,820 |
| GROSS RETURNS | 88,821 | 93,784 | 86,337 | 98,963 | 107,847 | 85,731 | 94,097 | 101,220 | 86,885 |
| RETURNS ABOVE CASH COSTS | 59,699 | 63,106 | 53,667 | 73,640 | 81,155 | 58,068 | 66,717 | 72,160 | 56,465 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 46,114 | 48,809 | 40,036 | 55,536 | 61,690 | 41,675 | 51,117 | 55,539 | 41,543 |
| NET RETURNS | 32,818 | 34,793 | 25,649 | 43,379 | 48,807 | 29,278 | 38,317 | 42,003 | 28,065 |
| NET PROFIT - COST RATIO | 0.59 | 0.59 | 0.42 | 0.78 | 0.83 | 0.52 | 0.69 | 0.71 | 0.48 |
| <i>Cost per kilogram (PhP)</i> | 12.52 | 13.22 | 13.65 | 11.32 | 11.70 | 11.07 | 11.86 | 12.40 | 12.26 |
| <i>Yield per hectare (kg)</i> | 4,472 | 4,464 | 4,445 | 4,908 | 5,047 | 5,099 | 4,703 | 4,777 | 4,796 |
| <i>Farmgate price (PhP/kg)</i> | 19.86 | 21.01 | 19.42 | 20.16 | 21.37 | 16.81 | 20.01 | 21.19 | 18.12 |

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Table 13C. Non-Irrigated Palay: Updated Average Costs of Production, by Season, Northern Mindanao, 2017 - 2019

| ITEM | DRY SEASON | | | WET SEASON | | | ANNUAL | | |
|--|-----------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| | <i>(in PhP per hectare)</i> | | | | | | | | |
| CASH COSTS | 19,387 | 20,183 | 21,444 | 11,859 | 12,617 | 13,302 | 13,437 | 14,207 | 15,009 |
| Seeds | 1,203 | 1,273 | 1,176 | 290 | 308 | 242 | 463 | 490 | 419 |
| Fertilizer | 3,462 | 3,746 | 4,105 | 3,946 | 4,387 | 4,572 | 3,769 | 4,122 | 4,399 |
| Pesticides | 2,140 | 2,152 | 2,201 | 547 | 477 | 458 | 881 | 911 | 844 |
| Hired labor | 8,635 | 8,899 | 9,781 | 5,526 | 5,804 | 6,377 | 6,255 | 6,512 | 7,153 |
| Land tax | 193 | 195 | 197 | 195 | 197 | 199 | 194 | 196 | 198 |
| Caretaker/overseer's wages | 17 | 17 | 19 | | | | 3 | 3 | 4 |
| Rentals | 1,638 | 1,714 | 1,708 | 11 | 11 | 12 | 350 | 368 | 356 |
| Fuel & Oil | 208 | 213 | 232 | 106 | 116 | 118 | 129 | 137 | 144 |
| Transport cost of inputs | 442 | 473 | 479 | 199 | 216 | 215 | 255 | 274 | 275 |
| Sacks and tying materials | 443 | 461 | 481 | 369 | 393 | 399 | 389 | 409 | 421 |
| Food expense | 426 | 447 | 462 | 471 | 506 | 504 | 462 | 490 | 498 |
| Repairs | 581 | 594 | 603 | 199 | 204 | 207 | 287 | 294 | 298 |
| NON-CASH COSTS | 7,348 | 7,660 | 7,139 | 7,699 | 8,419 | 6,856 | 7,439 | 8,038 | 7,042 |
| Seeds | 994 | 1,051 | 972 | 1,209 | 1,281 | 1,008 | 1,148 | 1,215 | 1,039 |
| Hired labor in kind | | | | 215 | 225 | 248 | 165 | 172 | 189 |
| Harvesters' share | 3,893 | 4,049 | 3,779 | 3,762 | 4,185 | 3,373 | 3,717 | 4,054 | 3,534 |
| Threshers' share | 2,462 | 2,560 | 2,389 | 1,069 | 1,189 | 958 | 1,273 | 1,389 | 1,211 |
| Landowner's share | | | | 1,272 | 1,348 | 1,061 | 1,005 | 1,064 | 910 |
| Interest payment on crop loan | | | | 173 | 190 | 209 | 132 | 145 | 160 |
| IMPUTED COSTS | 15,814 | 16,585 | 16,905 | 7,982 | 8,432 | 8,354 | 10,497 | 11,032 | 11,198 |
| Seeds | 76 | 80 | 74 | 70 | 75 | 59 | 71 | 75 | 64 |
| Fertilizer | | | | 86 | 95 | 99 | 63 | 68 | 73 |
| Operator labor | 3,139 | 3,235 | 3,556 | 3,127 | 3,284 | 3,608 | 3,557 | 3,703 | 4,068 |
| Family labor | 3,563 | 3,671 | 4,036 | 1,047 | 1,100 | 1,208 | 2,118 | 2,205 | 2,422 |
| Depreciation | 862 | 948 | 1,042 | 169 | 186 | 205 | 330 | 363 | 400 |
| Interest on operating capital | 1,283 | 1,362 | 1,458 | 855 | 908 | 972 | 946 | 1,004 | 1,075 |
| Rental value of owned land | 6,891 | 7,289 | 6,738 | 2,581 | 2,735 | 2,152 | 3,376 | 3,575 | 3,057 |
| Sacks and tying materials | | | | 46 | 49 | 50 | 36 | 38 | 39 |
| TOTAL COSTS | 42,549 | 44,429 | 45,488 | 27,541 | 29,468 | 28,512 | 31,373 | 33,278 | 33,249 |
| GROSS RETURNS | 64,381 | 66,956 | 62,485 | 71,792 | 79,864 | 64,362 | 69,330 | 75,614 | 65,923 |
| RETURNS ABOVE CASH COSTS | 44,994 | 46,773 | 41,041 | 59,932 | 67,247 | 51,060 | 55,893 | 61,407 | 50,914 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 37,646 | 39,113 | 33,902 | 52,233 | 58,828 | 44,204 | 48,454 | 53,368 | 43,872 |
| NET RETURNS | 21,832 | 22,527 | 16,997 | 44,251 | 50,396 | 35,850 | 37,957 | 42,336 | 32,675 |
| NET PROFIT - COST RATIO | 0.51 | 0.51 | 0.37 | 1.61 | 1.71 | 1.26 | 1.21 | 1.27 | 0.98 |
| <i>Cost per kilogram (PhP)</i> | <i>13.13</i> | <i>13.94</i> | <i>14.14</i> | <i>7.73</i> | <i>7.88</i> | <i>7.45</i> | <i>9.05</i> | <i>9.33</i> | <i>9.14</i> |
| <i>Yield per hectare (kg)</i> | <i>3,241</i> | <i>3,187</i> | <i>3,217</i> | <i>3,561</i> | <i>3,738</i> | <i>3,828</i> | <i>3,465</i> | <i>3,569</i> | <i>3,639</i> |
| <i>Farmgate price (PhP/kg)</i> | <i>19.86</i> | <i>21.01</i> | <i>19.42</i> | <i>20.16</i> | <i>21.37</i> | <i>16.81</i> | <i>20.01</i> | <i>21.19</i> | <i>18.12</i> |

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Table 14A. All Palay: Updated Average Costs of Production, by Season, Davao Region, 2017 - 2019

| ITEM | DRY SEASON | | | WET SEASON | | | ANNUAL | | |
|--|-----------------------------|--------|--------|------------|--------|--------|--------|--------|--------|
| | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| | <i>(in PhP per hectare)</i> | | | | | | | | |
| CASH COSTS | 26,771 | 27,742 | 28,945 | 21,224 | 23,610 | 22,488 | 23,957 | 26,018 | 26,242 |
| Seeds | 1,988 | 2,070 | 1,808 | 1,603 | 1,679 | 1,333 | 1,779 | 1,858 | 1,549 |
| Fertilizer | 4,589 | 4,985 | 5,574 | 4,124 | 4,715 | 4,881 | 4,344 | 4,845 | 5,211 |
| Pesticides | 1,919 | 1,828 | 1,971 | 2,030 | 2,823 | 1,878 | 2,046 | 2,874 | 1,954 |
| Hired labor | 10,252 | 10,531 | 11,103 | 8,317 | 8,912 | 8,964 | 9,349 | 9,680 | 10,667 |
| Land tax | 264 | 267 | 270 | 115 | 116 | 118 | 188 | 190 | 191 |
| Caretaker/overseer's wages | 438 | 450 | 474 | 75 | 81 | 81 | 234 | 242 | 267 |
| Other permanent employee's salary | 378 | 388 | 409 | | | | 171 | 177 | 195 |
| Rentals | 1,464 | 1,504 | 1,585 | 511 | 546 | 534 | 917 | 950 | 1,037 |
| Fuel & Oil | 940 | 982 | 1,070 | 332 | 367 | 359 | 631 | 680 | 701 |
| Transport cost of inputs | 230 | 244 | 249 | 165 | 178 | 177 | 196 | 210 | 211 |
| Interest payment on crop loan | 243 | 268 | 294 | 471 | 518 | 570 | 362 | 398 | 438 |
| Irrigation fee | 1,434 | 1,493 | 1,305 | 471 | 493 | 392 | 910 | 950 | 792 |
| Sacks and tying materials | 388 | 405 | 421 | 597 | 637 | 643 | 495 | 523 | 536 |
| Electricity cost | 3 | 3 | 4 | | | | 1 | 1 | 1 |
| Food expense | 1,427 | 1,502 | 1,542 | 1,507 | 1,608 | 1,589 | 1,470 | 1,558 | 1,568 |
| Repairs | 814 | 822 | 866 | 908 | 938 | 971 | 864 | 882 | 922 |
| NON-CASH COSTS | 17,148 | 19,101 | 16,338 | 21,148 | 22,529 | 17,867 | 19,232 | 20,881 | 17,274 |
| Seeds | 286 | 298 | 260 | 381 | 399 | 317 | 338 | 353 | 294 |
| Fertilizer | | | | 9 | 11 | 11 | 5 | 5 | 6 |
| Pesticides | 6 | 6 | 6 | | | | 3 | 4 | 3 |
| Hired labor in kind | 75 | 77 | 81 | 16 | 17 | 17 | 43 | 45 | 49 |
| Harvesters' share | 5,499 | 6,399 | 5,278 | 6,322 | 6,801 | 5,198 | 5,924 | 6,610 | 5,253 |
| Threshers' share | 4,825 | 5,614 | 4,631 | 5,435 | 5,846 | 4,468 | 5,139 | 5,734 | 4,557 |
| Landowner's share | 4,931 | 5,135 | 4,486 | 6,580 | 6,892 | 5,474 | 5,835 | 6,094 | 5,081 |
| Caretaker/overseers wages | 932 | 957 | 1,009 | 504 | 540 | 543 | 668 | 692 | 762 |
| Other permanent employee's salary | | | | 213 | 229 | 230 | 104 | 107 | 118 |
| Rentals | 478 | 494 | 478 | 336 | 354 | 302 | 396 | 412 | 387 |
| Interest payment on crop loan | 15 | 16 | 18 | 484 | 532 | 586 | 257 | 282 | 310 |
| Irrigation fee | 101 | 105 | 92 | 867 | 908 | 721 | 520 | 543 | 452 |
| IMPUTED COSTS | 17,363 | 18,100 | 17,041 | 18,349 | 19,381 | 16,897 | 18,828 | 19,705 | 18,303 |
| Seeds | 239 | 249 | 218 | 388 | 407 | 323 | 321 | 335 | 279 |
| Fertilizer | 85 | 92 | 103 | 127 | 145 | 150 | 105 | 117 | 126 |
| Pesticides | 17 | 16 | 17 | 1 | 1 | 1 | 9 | 13 | 9 |
| Operator labor | 2,273 | 2,335 | 2,462 | 2,208 | 2,366 | 2,380 | 2,758 | 2,855 | 3,146 |
| Family labor | 1,511 | 1,553 | 1,637 | 1,138 | 1,219 | 1,227 | 1,698 | 1,758 | 1,937 |
| Exchange labor | 44 | 45 | 48 | 13 | 14 | 14 | 35 | 37 | 40 |
| Depreciation | 714 | 785 | 864 | 968 | 1,065 | 1,171 | 846 | 930 | 1,023 |
| Interest on operating capital | 1,503 | 1,596 | 1,709 | 1,287 | 1,366 | 1,463 | 1,396 | 1,481 | 1,586 |
| Rental value of owned land | 10,976 | 11,429 | 9,984 | 12,205 | 12,782 | 10,153 | 11,655 | 12,172 | 10,149 |
| Fuel & Oil | | | | 14 | 15 | 15 | 6 | 6 | 6 |
| TOTAL COSTS | 61,281 | 64,943 | 62,324 | 60,720 | 65,520 | 57,252 | 62,017 | 66,604 | 61,819 |
| GROSS RETURNS | 82,803 | 96,350 | 79,472 | 91,833 | 98,789 | 75,500 | 87,478 | 97,598 | 77,566 |
| RETURNS ABOVE CASH COSTS | 56,032 | 68,608 | 50,526 | 70,609 | 75,179 | 53,011 | 63,521 | 71,580 | 51,324 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 38,884 | 49,507 | 34,188 | 49,461 | 52,650 | 35,145 | 44,289 | 50,699 | 34,050 |
| NET RETURNS | 21,521 | 31,407 | 17,148 | 31,112 | 33,269 | 18,248 | 25,461 | 30,994 | 15,747 |
| NET PROFIT - COST RATIO | 0.35 | 0.48 | 0.28 | 0.51 | 0.51 | 0.32 | 0.41 | 0.47 | 0.25 |
| <i>Cost per kilogram (PhP)</i> | 15.08 | 14.30 | 14.53 | 13.51 | 14.19 | 12.89 | 14.46 | 14.54 | 14.16 |
| <i>Yield per hectare (kg)</i> | 4,065 | 4,543 | 4,289 | 4,494 | 4,616 | 4,442 | 4,288 | 4,581 | 4,367 |
| <i>Farmgate price (PhP/kg)</i> | 20.37 | 21.21 | 18.53 | 20.43 | 21.40 | 17.00 | 20.40 | 21.31 | 17.76 |

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Table 14B. Irrigated Palay: Updated Average Costs of Production, by Season, Davao Region, 2017 - 2019

| ITEM | DRY SEASON | | | WET SEASON | | | ANNUAL | | |
|--|-----------------------------|---------|--------|------------|---------|--------|--------|---------|--------|
| | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| | <i>(in PhP per hectare)</i> | | | | | | | | |
| CASH COSTS | 27,678 | 28,564 | 29,762 | 21,836 | 24,239 | 23,088 | 24,736 | 26,756 | 26,992 |
| Seeds | 2,075 | 2,161 | 1,887 | 1,709 | 1,790 | 1,422 | 1,878 | 1,961 | 1,635 |
| Fertilizer | 4,727 | 5,008 | 5,599 | 4,144 | 4,717 | 4,878 | 4,424 | 4,863 | 5,226 |
| Pesticides | 1,880 | 1,790 | 1,931 | 2,025 | 2,816 | 1,873 | 2,023 | 2,841 | 1,932 |
| Hired labor | 10,828 | 11,123 | 11,727 | 8,762 | 9,389 | 9,444 | 9,868 | 10,217 | 11,259 |
| Land tax | 277 | 280 | 283 | 116 | 117 | 118 | 195 | 197 | 199 |
| Caretaker/overseer's wages | 503 | 517 | 545 | 84 | 90 | 91 | 269 | 279 | 307 |
| Other permanent employee's salary | 434 | 446 | 470 | | | | 198 | 205 | 226 |
| Rentals | 1,031 | 1,059 | 1,116 | 444 | 474 | 460 | 689 | 713 | 774 |
| Fuel & Oil | 1,005 | 1,051 | 1,145 | 267 | 295 | 288 | 631 | 680 | 701 |
| Transport cost of inputs | 235 | 249 | 255 | 143 | 154 | 153 | 189 | 202 | 204 |
| Interest payment on crop loan | 280 | 307 | 338 | 543 | 598 | 658 | 415 | 457 | 502 |
| Irrigation fee | 1,637 | 1,704 | 1,489 | 542 | 567 | 451 | 1,042 | 1,089 | 908 |
| Sacks and tying materials | 399 | 417 | 434 | 652 | 696 | 702 | 529 | 558 | 572 |
| Electricity cost | 3 | 3 | 4 | | | | 2 | 2 | 2 |
| Food expense | 1,437 | 1,512 | 1,552 | 1,525 | 1,627 | 1,608 | 1,481 | 1,570 | 1,581 |
| Repairs | 927 | 936 | 986 | 879 | 909 | 941 | 903 | 922 | 964 |
| NON-CASH COSTS | 17,715 | 19,633 | 16,805 | 21,400 | 22,834 | 17,776 | 19,635 | 21,300 | 17,459 |
| Seeds | 184 | 191 | 167 | 307 | 322 | 256 | 252 | 263 | 220 |
| Pesticides | 6 | 6 | 6 | | | | 3 | 4 | 3 |
| Hired labor in kind | 93 | 96 | 101 | 21 | 23 | 23 | 52 | 53 | 59 |
| Harvesters' share | 5,619 | 6,487 | 5,345 | 6,472 | 6,985 | 5,247 | 6,058 | 6,745 | 5,310 |
| Threshers' share | 5,058 | 5,839 | 4,812 | 5,871 | 6,336 | 4,760 | 5,476 | 6,097 | 4,800 |
| Landowner's share | 5,050 | 5,258 | 4,593 | 6,627 | 6,940 | 5,513 | 5,915 | 6,177 | 5,150 |
| Caretaker/overseers wages | 1,071 | 1,101 | 1,160 | 290 | 311 | 313 | 630 | 652 | 718 |
| Other permanent employee's salary | | | | 244 | 262 | 264 | 120 | 125 | 137 |
| Rentals | 517 | 535 | 515 | 372 | 392 | 332 | 433 | 451 | 420 |
| Interest payment on crop loan | | | | 200 | 220 | 242 | 103 | 113 | 124 |
| Irrigation fee | 115 | 120 | 105 | 995 | 1,043 | 828 | 593 | 620 | 517 |
| IMPUTED COSTS | 18,492 | 19,266 | 18,154 | 19,996 | 21,108 | 18,404 | 19,472 | 20,368 | 18,807 |
| Seeds | 273 | 284 | 248 | 408 | 427 | 339 | 347 | 362 | 302 |
| Fertilizer | 87 | 93 | 104 | | | | 42 | 46 | 50 |
| Pesticides | 18 | 17 | 18 | | | | 9 | 13 | 9 |
| Operator labor | 2,206 | 2,266 | 2,390 | 2,790 | 2,989 | 3,007 | 2,738 | 2,835 | 3,124 |
| Family labor | 2,059 | 2,115 | 2,230 | 1,456 | 1,560 | 1,570 | 1,656 | 1,714 | 1,889 |
| Exchange labor | 40 | 41 | 43 | 21 | 23 | 23 | 29 | 30 | 33 |
| Depreciation | 697 | 767 | 843 | 835 | 918 | 1,010 | 767 | 844 | 928 |
| Interest on operating capital | 1,553 | 1,648 | 1,765 | 1,319 | 1,400 | 1,500 | 1,434 | 1,522 | 1,630 |
| Rental value of owned land | 11,558 | 12,035 | 10,513 | 13,158 | 13,781 | 10,946 | 12,444 | 12,996 | 10,836 |
| Fuel & Oil | | | | 9 | 10 | 10 | 4 | 5 | 5 |
| TOTAL COSTS | 63,885 | 67,464 | 64,721 | 63,232 | 68,182 | 59,268 | 63,842 | 68,424 | 63,257 |
| GROSS RETURNS | 86,881 | 100,297 | 82,646 | 96,453 | 104,105 | 78,196 | 91,841 | 102,251 | 80,497 |
| RETURNS ABOVE CASH COSTS | 59,203 | 71,733 | 52,884 | 74,617 | 79,865 | 55,109 | 67,105 | 75,495 | 53,505 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 41,488 | 52,100 | 36,078 | 53,217 | 57,031 | 37,333 | 47,470 | 54,195 | 36,046 |
| NET RETURNS | 22,996 | 32,834 | 17,924 | 33,221 | 35,923 | 18,929 | 27,998 | 33,827 | 17,240 |
| NET PROFIT - COST RATIO | 0.36 | 0.49 | 0.28 | 0.53 | 0.53 | 0.32 | 0.44 | 0.49 | 0.27 |
| <i>Cost per kilogram (PhP)</i> | 14.98 | 14.27 | 14.51 | 13.40 | 14.02 | 12.88 | 14.18 | 14.26 | 13.96 |
| <i>Yield per hectare (kg)</i> | 4,265 | 4,729 | 4,460 | 4,720 | 4,865 | 4,600 | 4,502 | 4,799 | 4,532 |
| <i>Farmgate price (PhP/kg)</i> | 20.37 | 21.21 | 18.53 | 20.43 | 21.40 | 17.00 | 20.40 | 21.31 | 17.76 |

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Table 14C. Non-Irrigated Palay: Updated Average Costs of Production, by Season, Davao Region, 2017 - 2019

| ITEM | DRY SEASON | | | WET SEASON | | | ANNUAL | | |
|--|-----------------------------|--------|--------|------------|--------|--------|--------|--------|--------|
| | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| | <i>(in PhP per hectare)</i> | | | | | | | | |
| CASH COSTS | 18,854 | 19,442 | 20,412 | 16,386 | 18,345 | 17,327 | 17,066 | 18,757 | 18,715 |
| Seeds | 1,403 | 1,460 | 1,276 | 890 | 932 | 740 | 1,111 | 1,160 | 967 |
| Fertilizer | 2,268 | 2,497 | 2,802 | 2,025 | 2,347 | 2,427 | 2,126 | 2,405 | 2,592 |
| Pesticides | 2,192 | 2,088 | 2,251 | 2,063 | 2,869 | 1,908 | 2,200 | 3,089 | 2,101 |
| Hired labor | 6,011 | 6,175 | 6,510 | 6,583 | 7,054 | 7,095 | 5,934 | 6,144 | 6,771 |
| Land tax | 174 | 176 | 178 | 108 | 109 | 110 | 139 | 140 | 142 |
| Rentals | 4,372 | 4,491 | 4,735 | 938 | 1,005 | 1,011 | 2,414 | 2,500 | 2,755 |
| Fuel & Oil | 498 | 521 | 567 | 754 | 834 | 816 | 631 | 680 | 701 |
| Transport cost of inputs | 193 | 205 | 210 | 300 | 324 | 322 | 248 | 265 | 267 |
| Interest payment on crop loan | | | | 8 | 9 | 10 | 4 | 4 | 4 |
| Sacks and tying materials | 314 | 328 | 341 | 243 | 259 | 262 | 276 | 292 | 299 |
| Food expense | 1,373 | 1,445 | 1,483 | 1,392 | 1,485 | 1,467 | 1,384 | 1,467 | 1,476 |
| Repairs | 55 | 55 | 58 | 1,082 | 1,118 | 1,158 | 599 | 612 | 639 |
| NON-CASH COSTS | 13,555 | 15,654 | 13,290 | 19,566 | 20,598 | 18,300 | 16,652 | 18,114 | 15,971 |
| Seeds | 1,032 | 1,074 | 938 | 879 | 921 | 731 | 942 | 984 | 821 |
| Fertilizer | | | | 68 | 79 | 82 | 35 | 40 | 43 |
| Harvesters' share | 4,712 | 5,804 | 4,808 | 5,108 | 5,304 | 4,652 | 4,914 | 5,537 | 4,733 |
| Threshers' share | 3,351 | 4,127 | 3,419 | 2,906 | 3,017 | 2,647 | 3,086 | 3,477 | 2,972 |
| Landowner's share | 4,155 | 4,326 | 3,779 | 6,305 | 6,603 | 5,245 | 5,335 | 5,572 | 4,646 |
| Caretaker/overseers wages | | | | 1,875 | 2,009 | 2,021 | 931 | 964 | 1,062 |
| Rentals | 196 | 201 | 212 | 88 | 95 | 95 | 133 | 137 | 151 |
| Interest payment on crop loan | 110 | 121 | 133 | 2,337 | 2,570 | 2,827 | 1,275 | 1,403 | 1,543 |
| IMPUTED COSTS | 14,307 | 14,891 | 14,450 | 14,878 | 15,932 | 14,962 | 14,206 | 14,932 | 14,598 |
| Seeds | | | | 254 | 266 | 211 | 141 | 148 | 123 |
| Fertilizer | 48 | 53 | 59 | 1,038 | 1,203 | 1,244 | 532 | 601 | 648 |
| Pesticides | 10 | 9 | 10 | 5 | 7 | 5 | 7 | 10 | 7 |
| Operator labor | 3,012 | 3,094 | 3,262 | 3,109 | 3,331 | 3,351 | 2,883 | 2,985 | 3,290 |
| Family labor | 2,329 | 2,393 | 2,523 | 1,895 | 2,030 | 2,042 | 1,981 | 2,051 | 2,261 |
| Exchange labor | 143 | 147 | 155 | | | | 64 | 67 | 74 |
| Depreciation | 824 | 906 | 997 | 1,825 | 2,007 | 2,208 | 1,347 | 1,481 | 1,630 |
| Interest on operating capital | 971 | 1,030 | 1,103 | 902 | 958 | 1,026 | 936 | 994 | 1,064 |
| Rental value of owned land | 6,971 | 7,258 | 6,340 | 5,820 | 6,095 | 4,841 | 6,297 | 6,577 | 5,483 |
| Fuel & Oil | | | | 31 | 34 | 33 | 17 | 18 | 19 |
| TOTAL COSTS | 46,716 | 49,987 | 48,152 | 50,830 | 54,875 | 50,588 | 47,923 | 51,803 | 49,283 |
| GROSS RETURNS | 57,096 | 70,329 | 58,258 | 62,394 | 64,788 | 56,827 | 59,826 | 67,407 | 57,620 |
| RETURNS ABOVE CASH COSTS | 38,242 | 50,887 | 37,846 | 46,009 | 46,443 | 39,501 | 42,761 | 48,650 | 38,905 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 24,687 | 35,233 | 24,556 | 26,443 | 25,845 | 21,201 | 26,109 | 30,536 | 22,934 |
| NET RETURNS | 10,380 | 20,342 | 10,107 | 11,565 | 9,913 | 6,239 | 11,903 | 15,604 | 8,337 |
| NET PROFIT - COST RATIO | 0.22 | 0.41 | 0.21 | 0.23 | 0.18 | 0.12 | 0.25 | 0.30 | 0.17 |
| <i>Cost per kilogram (PhP)</i> | 16.67 | 15.08 | 15.31 | 16.65 | 18.13 | 15.13 | 16.34 | 16.37 | 15.19 |
| <i>Yield per hectare (kg)</i> | 2,803 | 3,316 | 3,144 | 3,054 | 3,027 | 3,343 | 2,933 | 3,164 | 3,244 |
| <i>Farmgate price (PhP/kg)</i> | 20.37 | 21.21 | 18.53 | 20.43 | 21.40 | 17.00 | 20.40 | 21.31 | 17.76 |

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Table 15A. All Palay: Updated Average Costs of Production, by Season, SOCCSKSARGEN, 2017 - 2019

| ITEM | DRY SEASON | | | WET SEASON | | | ANNUAL | | |
|--|-----------------------------|--------|--------|------------|--------|--------|--------|--------|--------|
| | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| | <i>(in PhP per hectare)</i> | | | | | | | | |
| CASH COSTS | 15,114 | 16,117 | 16,865 | 15,697 | 16,791 | 16,401 | 15,386 | 16,235 | 16,554 |
| Seeds | 1,480 | 1,615 | 1,295 | 1,896 | 1,944 | 1,511 | 1,681 | 1,780 | 1,406 |
| Fertilizer | 2,963 | 3,261 | 3,671 | 3,169 | 3,729 | 3,718 | 3,065 | 3,488 | 3,697 |
| Pesticides | 1,441 | 1,478 | 1,655 | 1,812 | 1,990 | 1,936 | 1,589 | 1,673 | 1,698 |
| Hired labor | 4,786 | 5,114 | 5,687 | 5,149 | 5,286 | 5,513 | 5,006 | 5,069 | 5,625 |
| Land tax | 193 | 195 | 197 | 138 | 139 | 140 | 167 | 169 | 171 |
| Caretaker/overseer's wages | 8 | 8 | 9 | | | | 3 | 3 | 4 |
| Other permanent employee's salary | 5 | 6 | 6 | 288 | 296 | 309 | 147 | 148 | 165 |
| Rentals | 72 | 77 | 86 | 12 | 12 | 12 | 42 | 42 | 47 |
| Fuel & Oil | 433 | 462 | 473 | 473 | 503 | 502 | 452 | 481 | 487 |
| Transport cost of inputs | 174 | 182 | 188 | 96 | 102 | 104 | 135 | 143 | 146 |
| Interest payment on crop loan | 144 | 158 | 174 | 104 | 114 | 126 | 125 | 137 | 151 |
| Irrigation fee | 1,035 | 1,129 | 906 | 662 | 679 | 528 | 831 | 880 | 695 |
| Sacks and tying materials | 216 | 227 | 237 | 311 | 334 | 339 | 263 | 279 | 287 |
| Electricity cost | 9 | 10 | 10 | | | | 4 | 5 | 5 |
| Food expense | 774 | 824 | 842 | 858 | 920 | 907 | 816 | 872 | 875 |
| Repairs | 1,382 | 1,371 | 1,429 | 728 | 742 | 756 | 1,059 | 1,065 | 1,098 |
| NON-CASH COSTS | 16,425 | 18,078 | 14,551 | 17,412 | 18,173 | 14,518 | 16,874 | 18,029 | 14,530 |
| Seeds | 644 | 703 | 564 | 525 | 538 | 418 | 575 | 609 | 481 |
| Fertilizer | 34 | 38 | 42 | | | | 18 | 20 | 22 |
| Hired labor in kind | 425 | 454 | 505 | 1,031 | 1,059 | 1,104 | 727 | 737 | 817 |
| Harvesters' share | 5,040 | 5,595 | 4,270 | 4,943 | 5,231 | 3,861 | 5,000 | 5,429 | 4,076 |
| Threshers' share | 4,714 | 5,233 | 3,994 | 4,698 | 4,972 | 3,669 | 4,719 | 5,123 | 3,847 |
| Landowner's share | 3,791 | 4,138 | 3,319 | 4,083 | 4,186 | 3,253 | 3,905 | 4,133 | 3,266 |
| Caretaker/overseers wages | 511 | 546 | 608 | 1,551 | 1,592 | 1,660 | 1,028 | 1,041 | 1,155 |
| Rentals | 1,265 | 1,370 | 1,249 | 581 | 596 | 552 | 902 | 937 | 866 |
| Irrigation fee | 119 | 126 | 131 | 40 | 43 | 44 | 75 | 80 | 82 |
| IMPUTED COSTS | 14,696 | 15,892 | 15,019 | 12,279 | 12,671 | 11,769 | 13,841 | 14,415 | 13,748 |
| Seeds | 393 | 429 | 344 | 171 | 176 | 137 | 273 | 289 | 229 |
| Fertilizer | 52 | 58 | 65 | 6 | 8 | 8 | 31 | 35 | 37 |
| Pesticides | 49 | 50 | 56 | 19 | 21 | 20 | 34 | 36 | 36 |
| Operator labor | 2,742 | 2,930 | 3,258 | 3,151 | 3,234 | 3,373 | 2,946 | 2,983 | 3,310 |
| Family labor | 2,568 | 2,743 | 3,051 | 1,720 | 1,766 | 1,841 | 2,623 | 2,656 | 2,947 |
| Exchange labor | 27 | 29 | 32 | 323 | 332 | 346 | 178 | 180 | 200 |
| Depreciation | 628 | 691 | 760 | 518 | 570 | 627 | 574 | 631 | 694 |
| Interest on operating capital | 928 | 985 | 1,055 | 1,004 | 1,066 | 1,142 | 959 | 1,018 | 1,090 |
| Rental value of owned land | 7,308 | 7,977 | 6,398 | 5,366 | 5,500 | 4,275 | 6,224 | 6,588 | 5,205 |
| TOTAL COSTS | 46,235 | 50,087 | 46,435 | 45,388 | 47,635 | 42,687 | 46,100 | 48,679 | 44,831 |
| GROSS RETURNS | 66,080 | 73,358 | 55,983 | 74,443 | 78,786 | 58,143 | 71,014 | 77,107 | 57,895 |
| RETURNS ABOVE CASH COSTS | 50,966 | 57,241 | 39,118 | 58,746 | 61,995 | 41,742 | 55,629 | 60,873 | 41,341 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 34,541 | 39,163 | 24,567 | 41,334 | 43,822 | 27,225 | 38,755 | 42,843 | 26,811 |
| NET RETURNS | 19,845 | 23,271 | 9,548 | 29,056 | 31,151 | 15,456 | 24,915 | 28,428 | 13,063 |
| NET PROFIT - COST RATIO | 0.43 | 0.46 | 0.21 | 0.64 | 0.65 | 0.36 | 0.54 | 0.58 | 0.29 |
| <i>Cost per kilogram (PhP)</i> | 13.26 | 14.12 | 13.76 | 11.50 | 11.69 | 11.03 | 12.27 | 12.63 | 12.24 |
| <i>Yield per hectare (kg)</i> | 3,488 | 3,547 | 3,375 | 3,947 | 4,076 | 3,869 | 3,757 | 3,854 | 3,662 |
| <i>Farmgate price (PhP/kg)</i> | 18.95 | 20.68 | 16.59 | 18.86 | 19.33 | 15.03 | 18.90 | 20.01 | 15.81 |

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Table 15B. Irrigated Palay: Updated Average Costs of Production, by Season, SOCCSKSARGEN, 2017 - 2019

| ITEM | DRY SEASON | | | WET SEASON | | | ANNUAL | | |
|--|-----------------------------|--------|--------|------------|--------|--------|--------|--------|--------|
| | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| | <i>(in PhP per hectare)</i> | | | | | | | | |
| CASH COSTS | 16,268 | 17,491 | 18,280 | 17,173 | 18,491 | 18,089 | 16,639 | 17,686 | 18,043 |
| Seeds | 1,379 | 1,506 | 1,208 | 1,825 | 1,871 | 1,454 | 1,588 | 1,681 | 1,328 |
| Fertilizer | 3,152 | 3,615 | 4,031 | 3,257 | 4,004 | 3,974 | 3,200 | 3,801 | 3,999 |
| Pesticides | 1,404 | 1,440 | 1,612 | 1,826 | 2,006 | 1,951 | 1,571 | 1,654 | 1,679 |
| Hired labor | 5,370 | 5,737 | 6,380 | 6,029 | 6,189 | 6,455 | 5,679 | 5,751 | 6,381 |
| Land tax | 207 | 209 | 211 | 155 | 157 | 158 | 183 | 184 | 186 |
| Caretaker/overseer's wages | 11 | 12 | 13 | | | | 4 | 4 | 5 |
| Other permanent employee's salary | 8 | 8 | 9 | 400 | 410 | 428 | 195 | 197 | 219 |
| Rentals | 76 | 81 | 90 | 13 | 13 | 14 | 47 | 48 | 53 |
| Fuel & Oil | 433 | 462 | 473 | 463 | 493 | 492 | 446 | 476 | 481 |
| Transport cost of inputs | 166 | 174 | 180 | 86 | 91 | 93 | 128 | 135 | 139 |
| Interest payment on crop loan | 175 | 193 | 212 | 129 | 142 | 157 | 155 | 170 | 187 |
| Irrigation fee | 1,329 | 1,450 | 1,163 | 918 | 941 | 732 | 1,110 | 1,175 | 929 |
| Sacks and tying materials | 215 | 226 | 236 | 308 | 330 | 336 | 260 | 276 | 284 |
| Electricity cost | 13 | 13 | 14 | | | | 7 | 8 | 8 |
| Food expense | 723 | 770 | 786 | 852 | 914 | 901 | 786 | 839 | 842 |
| Repairs | 1,607 | 1,595 | 1,662 | 912 | 929 | 946 | 1,279 | 1,286 | 1,325 |
| NON-CASH COSTS | 17,180 | 18,989 | 15,187 | 17,834 | 18,682 | 14,953 | 17,431 | 18,702 | 15,019 |
| Seeds | 601 | 656 | 526 | 557 | 571 | 444 | 572 | 605 | 478 |
| Fertilizer | 44 | 50 | 56 | | | | 24 | 28 | 30 |
| Hired labor in kind | 282 | 301 | 335 | 1,023 | 1,050 | 1,095 | 636 | 645 | 715 |
| Harvesters' share | 5,330 | 5,951 | 4,568 | 5,197 | 5,532 | 4,105 | 5,278 | 5,760 | 4,347 |
| Threshers' share | 5,003 | 5,585 | 4,287 | 4,891 | 5,207 | 3,863 | 4,962 | 5,415 | 4,087 |
| Landowner's share | 4,636 | 5,060 | 4,059 | 4,018 | 4,118 | 3,201 | 4,278 | 4,529 | 3,578 |
| Caretaker/overseers wages | 530 | 566 | 629 | 1,744 | 1,790 | 1,867 | 1,107 | 1,121 | 1,244 |
| Rentals | 612 | 664 | 601 | 347 | 356 | 333 | 476 | 494 | 457 |
| Irrigation fee | 142 | 156 | 125 | 58 | 59 | 46 | 98 | 104 | 82 |
| IMPUTED COSTS | 15,544 | 16,819 | 15,824 | 12,237 | 12,635 | 11,614 | 14,314 | 14,934 | 14,119 |
| Seeds | 487 | 532 | 427 | 187 | 191 | 149 | 333 | 352 | 278 |
| Fertilizer | 68 | 78 | 87 | 9 | 11 | 11 | 41 | 49 | 51 |
| Pesticides | 63 | 65 | 73 | 26 | 28 | 28 | 46 | 49 | 49 |
| Operator labor | 2,513 | 2,685 | 2,986 | 2,749 | 2,822 | 2,944 | 2,619 | 2,652 | 2,943 |
| Family labor | 2,833 | 3,027 | 3,367 | 1,586 | 1,628 | 1,698 | 2,739 | 2,774 | 3,077 |
| Exchange labor | 27 | 29 | 32 | 249 | 255 | 266 | 133 | 134 | 149 |
| Depreciation | 707 | 777 | 855 | 569 | 626 | 688 | 643 | 707 | 777 |
| Interest on operating capital | 970 | 1,029 | 1,102 | 1,068 | 1,134 | 1,214 | 1,009 | 1,070 | 1,146 |
| Rental value of owned land | 7,876 | 8,597 | 6,896 | 5,794 | 5,939 | 4,616 | 6,753 | 7,148 | 5,648 |
| TOTAL COSTS | 48,993 | 53,299 | 49,290 | 47,243 | 49,808 | 44,655 | 48,385 | 51,322 | 47,182 |
| GROSS RETURNS | 69,265 | 77,332 | 59,361 | 79,719 | 84,860 | 62,962 | 75,167 | 82,039 | 61,915 |
| RETURNS ABOVE CASH COSTS | 52,997 | 59,842 | 41,081 | 62,546 | 66,369 | 44,874 | 58,528 | 64,353 | 43,872 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 35,817 | 40,852 | 25,894 | 44,712 | 47,687 | 29,921 | 41,096 | 45,651 | 28,853 |
| NET RETURNS | 20,272 | 24,033 | 10,070 | 32,476 | 35,052 | 18,307 | 26,782 | 30,717 | 14,733 |
| NET PROFIT - COST RATIO | 0.41 | 0.45 | 0.20 | 0.69 | 0.70 | 0.41 | 0.55 | 0.60 | 0.31 |
| <i>Cost per kilogram (PhP)</i> | 13.40 | 14.25 | 13.77 | 11.18 | 11.35 | 10.66 | 12.17 | 12.52 | 12.05 |
| <i>Yield per hectare (kg)</i> | 3,656 | 3,739 | 3,578 | 4,227 | 4,390 | 4,190 | 3,977 | 4,101 | 3,917 |
| <i>Farmgate price (PhP/kg)</i> | 18.95 | 20.68 | 16.59 | 18.86 | 19.33 | 15.03 | 18.90 | 20.01 | 15.81 |

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Table 15C. Non-Irrigated Palay: Updated Average Costs of Production, by Season, SOCCSKSARGEN, 2017 - 2019

| ITEM | DRY SEASON | | | WET SEASON | | | ANNUAL | | |
|--|-----------------------------|--------|--------|------------|--------|--------|--------|--------|--------|
| | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| | <i>(in PhP per hectare)</i> | | | | | | | | |
| CASH COSTS | 11,572 | 12,349 | 12,944 | 11,555 | 12,509 | 12,106 | 11,458 | 12,188 | 12,325 |
| Seeds | 1,818 | 1,985 | 1,592 | 2,083 | 2,135 | 1,659 | 1,948 | 2,062 | 1,630 |
| Fertilizer | 2,272 | 2,512 | 2,826 | 2,812 | 3,344 | 3,334 | 2,486 | 2,850 | 3,025 |
| Pesticides | 1,818 | 1,864 | 2,087 | 1,586 | 1,742 | 1,695 | 1,686 | 1,775 | 1,802 |
| Hired labor | 3,063 | 3,272 | 3,639 | 2,861 | 2,937 | 3,063 | 2,950 | 2,987 | 3,315 |
| Land tax | 140 | 141 | 143 | 96 | 97 | 98 | 116 | 117 | 119 |
| Rentals | 53 | 57 | 63 | 11 | 11 | 11 | 30 | 30 | 34 |
| Fuel & Oil | 435 | 464 | 475 | 499 | 531 | 529 | 470 | 500 | 506 |
| Transport cost of inputs | 204 | 213 | 221 | 122 | 130 | 132 | 158 | 167 | 171 |
| Interest payment on crop loan | 24 | 27 | 29 | 42 | 47 | 51 | 34 | 37 | 41 |
| Sacks and tying materials | 221 | 233 | 242 | 319 | 341 | 347 | 276 | 293 | 301 |
| Food expense | 955 | 1,017 | 1,039 | 876 | 940 | 926 | 912 | 974 | 977 |
| Repairs | 569 | 564 | 588 | 249 | 254 | 259 | 391 | 393 | 405 |
| NON-CASH COSTS | 12,864 | 13,861 | 10,978 | 15,162 | 15,674 | 12,166 | 14,259 | 15,049 | 11,919 |
| Seeds | 795 | 868 | 696 | 438 | 449 | 349 | 582 | 616 | 487 |
| Hired labor in kind | 256 | 274 | 305 | 159 | 163 | 170 | 200 | 203 | 225 |
| Harvesters' share | 3,641 | 3,905 | 2,707 | 4,080 | 4,248 | 3,040 | 3,946 | 4,200 | 3,014 |
| Threshers' share | 3,344 | 3,586 | 2,486 | 3,988 | 4,152 | 2,971 | 3,780 | 4,023 | 2,887 |
| Landowner's share | 828 | 904 | 725 | 4,257 | 4,363 | 3,392 | 2,779 | 2,942 | 2,324 |
| Caretaker/overseers wages | 450 | 481 | 534 | 1,053 | 1,080 | 1,127 | 788 | 798 | 886 |
| Rentals | 3,550 | 3,844 | 3,526 | 1,187 | 1,217 | 1,118 | 2,182 | 2,266 | 2,095 |
| IMPUTED COSTS | 10,638 | 11,494 | 10,940 | 11,557 | 11,914 | 11,282 | 10,781 | 11,205 | 10,798 |
| Seeds | 58 | 63 | 51 | 129 | 132 | 103 | 97 | 103 | 81 |
| Operator labor | 2,548 | 2,722 | 3,027 | 3,361 | 3,450 | 3,598 | 3,006 | 3,044 | 3,377 |
| Family labor | 1,616 | 1,727 | 1,920 | 2,068 | 2,123 | 2,214 | 1,577 | 1,597 | 1,772 |
| Exchange labor | 27 | 29 | 32 | 523 | 536 | 559 | 310 | 314 | 349 |
| Depreciation | 340 | 374 | 411 | 386 | 425 | 467 | 367 | 403 | 444 |
| Interest on operating capital | 777 | 824 | 883 | 837 | 889 | 951 | 796 | 845 | 904 |
| Rental value of owned land | 5,272 | 5,754 | 4,616 | 4,253 | 4,359 | 3,388 | 4,628 | 4,899 | 3,871 |
| TOTAL COSTS | 35,074 | 37,704 | 34,863 | 38,274 | 40,097 | 35,554 | 36,497 | 38,441 | 35,042 |
| GROSS RETURNS | 49,936 | 53,557 | 37,123 | 58,100 | 60,490 | 43,280 | 55,514 | 59,084 | 42,397 |
| RETURNS ABOVE CASH COSTS | 38,364 | 41,208 | 24,180 | 46,545 | 47,981 | 31,174 | 44,056 | 46,896 | 30,072 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 25,500 | 27,347 | 13,201 | 31,383 | 32,308 | 19,007 | 29,798 | 31,847 | 18,153 |
| NET RETURNS | 14,862 | 15,853 | 2,261 | 19,826 | 20,393 | 7,726 | 19,017 | 20,642 | 7,355 |
| NET PROFIT - COST RATIO | 0.42 | 0.42 | 0.06 | 0.52 | 0.51 | 0.22 | 0.52 | 0.54 | 0.21 |
| <i>Cost per kilogram (PhP)</i> | 13.31 | 14.56 | 15.58 | 12.42 | 12.81 | 12.34 | 12.43 | 13.02 | 13.07 |
| <i>Yield per hectare (kg)</i> | 2,636 | 2,590 | 2,238 | 3,081 | 3,129 | 2,880 | 2,937 | 2,953 | 2,682 |
| <i>Farmgate price (PhP/kg)</i> | 18.95 | 20.68 | 16.59 | 18.86 | 19.33 | 15.03 | 18.90 | 20.01 | 15.81 |

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Table 16A. All Palay: Updated Average Costs of Production, by Season, Caraga, 2017 - 2019

| ITEM | DRY SEASON | | | WET SEASON | | | ANNUAL | | |
|--|-----------------------------|--------|--------|------------|--------|--------|--------|--------|--------|
| | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| | <i>(in PhP per hectare)</i> | | | | | | | | |
| CASH COSTS | 18,009 | 18,922 | 19,582 | 18,488 | 20,165 | 20,198 | 18,258 | 18,996 | 18,802 |
| Seeds | 1,312 | 1,398 | 1,203 | 1,277 | 1,428 | 1,092 | 1,294 | 1,413 | 1,147 |
| Fertilizer | 2,472 | 2,582 | 2,814 | 2,839 | 3,140 | 3,173 | 2,625 | 2,821 | 2,960 |
| Pesticides | 1,316 | 1,398 | 1,237 | 1,465 | 1,728 | 1,511 | 1,390 | 1,531 | 1,352 |
| Hired labor | 8,184 | 8,656 | 9,249 | 6,636 | 7,162 | 7,694 | 7,561 | 7,605 | 7,647 |
| Land tax | 100 | 101 | 102 | 141 | 142 | 144 | 117 | 118 | 120 |
| Caretaker/overseer's wages | 39 | 42 | 45 | 48 | 52 | 56 | 44 | 44 | 44 |
| Rentals | 815 | 862 | 905 | 940 | 1,029 | 974 | 868 | 892 | 851 |
| Fuel & Oil | 401 | 378 | 408 | 794 | 836 | 858 | 578 | 576 | 605 |
| Transport cost of inputs | 97 | 105 | 106 | 182 | 196 | 196 | 134 | 144 | 145 |
| Interest payment on crop loan | 415 | 457 | 502 | 904 | 994 | 1,094 | 626 | 688 | 757 |
| Irrigation fee | 187 | 200 | 172 | 324 | 362 | 277 | 249 | 272 | 221 |
| Sacks and tying materials | 333 | 343 | 353 | 463 | 487 | 491 | 388 | 404 | 411 |
| Electricity cost | 270 | 254 | 274 | 69 | 73 | 75 | 176 | 175 | 184 |
| Food expense | 1,437 | 1,509 | 1,544 | 1,320 | 1,414 | 1,386 | 1,385 | 1,468 | 1,471 |
| Repairs | 626 | 634 | 666 | 1,085 | 1,121 | 1,178 | 824 | 843 | 886 |
| Others a/ | 3 | 3 | 3 | | | | 2 | 2 | 2 |
| NON-CASH COSTS | 14,784 | 16,139 | 14,106 | 15,613 | 17,344 | 13,562 | 15,162 | 16,681 | 13,768 |
| Seeds | 419 | 447 | 385 | 827 | 925 | 708 | 605 | 660 | 536 |
| Fertilizer | 9 | 10 | 11 | 11 | 12 | 12 | 9 | 10 | 11 |
| Pesticides | | | | 6 | 7 | 6 | 2 | 3 | 2 |
| Hired labor in kind | 326 | 345 | 368 | 582 | 628 | 675 | 440 | 442 | 445 |
| Harvesters' share | 3,133 | 3,489 | 2,915 | 3,746 | 4,165 | 3,062 | 3,416 | 3,817 | 3,011 |
| Threshers' share | 4,247 | 4,729 | 3,952 | 4,499 | 5,003 | 3,678 | 4,363 | 4,876 | 3,846 |
| Landowner's share | 3,424 | 3,651 | 3,142 | 4,285 | 4,791 | 3,665 | 3,812 | 4,163 | 3,380 |
| Caretaker/overseers wages | 122 | 129 | 138 | 346 | 373 | 401 | 221 | 222 | 223 |
| Rentals | 1,833 | 1,952 | 1,746 | 318 | 350 | 317 | 1,141 | 1,226 | 1,041 |
| Interest payment on crop loan | 969 | 1,066 | 1,173 | 420 | 462 | 508 | 732 | 805 | 886 |
| Irrigation fee | 302 | 322 | 277 | 382 | 427 | 327 | 338 | 370 | 300 |
| Sacks and tying materials | | | | 191 | 201 | 203 | 83 | 86 | 88 |
| IMPUTED COSTS | 7,910 | 8,416 | 8,786 | 9,461 | 10,278 | 10,539 | 8,597 | 8,912 | 8,868 |
| Seeds | 180 | 192 | 165 | 89 | 99 | 76 | 140 | 153 | 124 |
| Fertilizer | 22 | 23 | 25 | 70 | 77 | 78 | 41 | 44 | 47 |
| Pesticides | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| Operator labor | 2,572 | 2,721 | 2,907 | 3,295 | 3,556 | 3,820 | 2,889 | 2,906 | 2,922 |
| Family labor | 2,157 | 2,281 | 2,438 | 2,201 | 2,376 | 2,552 | 2,184 | 2,197 | 2,209 |
| Exchange labor | 145 | 154 | 164 | 179 | 193 | 207 | 162 | 163 | 164 |
| Depreciation | 917 | 1,009 | 1,110 | 1,176 | 1,294 | 1,423 | 1,029 | 1,131 | 1,244 |
| Interest on operating capital | 965 | 1,024 | 1,097 | 992 | 1,053 | 1,128 | 970 | 1,029 | 1,102 |
| Rental value of owned land | 897 | 956 | 823 | 1,427 | 1,595 | 1,220 | 1,137 | 1,241 | 1,008 |
| Fuel & Oil | b/ | b/ | b/ | | | | b/ | b/ | b/ |
| Transport cost of inputs | | | | 2 | 2 | 2 | 1 | 1 | 1 |
| Sacks and tying materials | 54 | 55 | 57 | 28 | 29 | 30 | 42 | 44 | 45 |
| TOTAL COSTS | 40,703 | 43,477 | 42,474 | 43,562 | 47,788 | 44,299 | 42,017 | 44,589 | 41,438 |
| GROSS RETURNS | 55,973 | 62,334 | 52,083 | 55,091 | 61,258 | 45,037 | 55,544 | 62,071 | 48,956 |
| RETURNS ABOVE CASH COSTS | 37,964 | 43,412 | 32,500 | 36,603 | 41,093 | 24,839 | 37,285 | 43,076 | 30,153 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 23,179 | 27,273 | 18,395 | 20,990 | 23,749 | 11,277 | 22,123 | 26,395 | 16,386 |
| NET RETURNS | 15,269 | 18,857 | 9,608 | 11,529 | 13,471 | 738 | 13,527 | 17,482 | 7,518 |
| NET PROFIT - COST RATIO | 0.38 | 0.43 | 0.23 | 0.26 | 0.28 | 0.02 | 0.32 | 0.39 | 0.18 |
| <i>Cost per kilogram (PhP)</i> | 13.06 | 13.35 | 13.44 | 14.05 | 15.50 | 14.95 | 13.51 | 14.01 | 13.40 |
| <i>Yield per hectare (kg)</i> | 3,117 | 3,256 | 3,161 | 3,101 | 3,084 | 2,963 | 3,110 | 3,182 | 3,091 |
| <i>Farmgate price (PhP/kg)</i> | 17.96 | 19.15 | 16.48 | 17.77 | 19.87 | 15.20 | 17.86 | 19.51 | 15.84 |

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Table 16B. Irrigated Palay: Updated Average Costs of Production, by Season, Caraga, 2017 - 2019

| ITEM | DRY SEASON | | | WET SEASON | | | ANNUAL | | |
|--|-----------------------------|--------|--------|------------|--------|--------|--------|--------|--------|
| | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| | <i>(in PhP per hectare)</i> | | | | | | | | |
| CASH COSTS | 20,744 | 21,689 | 22,518 | 22,141 | 24,042 | 24,091 | 21,202 | 21,978 | 21,775 |
| Seeds | 1,297 | 1,383 | 1,190 | 1,407 | 1,573 | 1,204 | 1,354 | 1,478 | 1,200 |
| Fertilizer | 3,649 | 3,646 | 3,962 | 3,635 | 3,919 | 3,959 | 3,651 | 3,786 | 3,969 |
| Pesticides | 1,215 | 1,291 | 1,142 | 1,216 | 1,434 | 1,253 | 1,229 | 1,354 | 1,195 |
| Hired labor | 9,913 | 10,484 | 11,202 | 8,173 | 8,821 | 9,475 | 8,748 | 8,799 | 8,847 |
| Land tax | 75 | 76 | 77 | 128 | 129 | 130 | 101 | 102 | 103 |
| Caretaker/overseer's wages | 109 | 116 | 124 | 102 | 110 | 118 | 106 | 106 | 107 |
| Rentals | 581 | 615 | 645 | 1,241 | 1,369 | 1,207 | 929 | 971 | 887 |
| Fuel & Oil | 352 | 332 | 358 | 627 | 660 | 678 | 498 | 496 | 522 |
| Transport cost of inputs | 113 | 121 | 123 | 154 | 165 | 166 | 134 | 144 | 145 |
| Interest payment on crop loan | 682 | 751 | 826 | 1,535 | 1,689 | 1,858 | 1,107 | 1,218 | 1,340 |
| Irrigation fee | 513 | 547 | 470 | 670 | 749 | 573 | 595 | 650 | 528 |
| Sacks and tying materials | 442 | 455 | 468 | 504 | 530 | 534 | 472 | 491 | 500 |
| Electricity cost | 10 | 9 | 10 | 9 | 10 | 10 | 10 | 10 | 11 |
| Food expense | 1,305 | 1,370 | 1,402 | 1,381 | 1,479 | 1,450 | 1,344 | 1,426 | 1,428 |
| Repairs | 488 | 494 | 519 | 1,360 | 1,406 | 1,477 | 924 | 946 | 993 |
| NON-CASH COSTS | 17,278 | 18,792 | 16,412 | 17,523 | 19,273 | 14,905 | 17,408 | 19,014 | 15,603 |
| Seeds | 487 | 519 | 447 | 527 | 589 | 451 | 508 | 554 | 450 |
| Fertilizer | 25 | 25 | 28 | 27 | 29 | 29 | 27 | 28 | 29 |
| Pesticides | | | | 5 | 5 | 5 | 3 | 3 | 3 |
| Hired labor in kind | 211 | 223 | 238 | 574 | 619 | 665 | 399 | 402 | 404 |
| Harvesters' share | 2,623 | 2,923 | 2,457 | 3,587 | 3,906 | 2,852 | 3,133 | 3,461 | 2,731 |
| Threshers' share | 4,818 | 5,368 | 4,513 | 5,023 | 5,470 | 3,995 | 4,920 | 5,436 | 4,289 |
| Landowner's share | 3,229 | 3,442 | 2,962 | 5,847 | 6,538 | 5,002 | 4,600 | 5,023 | 4,078 |
| Caretaker/overseers wages | 336 | 355 | 380 | 431 | 466 | 500 | 385 | 388 | 390 |
| Rentals | 4,049 | 4,313 | 3,814 | 295 | 327 | 280 | 2,080 | 2,248 | 1,878 |
| Interest payment on crop loan | 675 | 743 | 817 | 53 | 59 | 64 | 367 | 403 | 444 |
| Irrigation fee | 824 | 879 | 756 | 791 | 884 | 677 | 805 | 880 | 714 |
| Sacks and tying materials | | | | 363 | 382 | 385 | 182 | 189 | 193 |
| IMPUTED COSTS | 7,526 | 7,998 | 8,403 | 8,363 | 9,061 | 9,481 | 7,943 | 8,218 | 8,284 |
| Seeds | 130 | 138 | 119 | 74 | 83 | 64 | 101 | 110 | 89 |
| Fertilizer | 56 | 56 | 61 | 43 | 47 | 47 | 49 | 51 | 53 |
| Pesticides | 3 | 3 | 3 | 2 | 2 | 2 | 3 | 3 | 3 |
| Operator labor | 2,953 | 3,123 | 3,337 | 3,020 | 3,259 | 3,501 | 2,991 | 3,009 | 3,025 |
| Family labor | 1,589 | 1,681 | 1,796 | 2,037 | 2,198 | 2,362 | 1,811 | 1,822 | 1,831 |
| Exchange labor | 45 | 48 | 51 | 136 | 147 | 157 | 92 | 92 | 93 |
| Depreciation | 795 | 874 | 962 | 1,181 | 1,299 | 1,429 | 986 | 1,085 | 1,193 |
| Interest on operating capital | 1,204 | 1,278 | 1,368 | 1,122 | 1,191 | 1,276 | 1,159 | 1,230 | 1,317 |
| Rental value of owned land | 631 | 673 | 579 | 726 | 811 | 621 | 680 | 743 | 603 |
| Fuel & Oil | b/ | b/ | b/ | | | | b/ | b/ | b/ |
| Sacks and tying materials | 120 | 123 | 127 | 22 | 23 | 23 | 71 | 74 | 76 |
| TOTAL COSTS | 45,548 | 48,479 | 47,334 | 48,026 | 52,376 | 48,477 | 46,553 | 49,211 | 45,661 |
| GROSS RETURNS | 60,691 | 67,624 | 56,849 | 61,522 | 66,997 | 48,929 | 61,043 | 67,441 | 53,215 |
| RETURNS ABOVE CASH COSTS | 39,947 | 45,935 | 34,331 | 39,381 | 42,955 | 24,837 | 39,841 | 45,463 | 31,440 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 22,669 | 27,144 | 17,919 | 21,858 | 23,682 | 9,932 | 22,433 | 26,448 | 15,837 |
| NET RETURNS | 15,143 | 19,145 | 9,515 | 13,496 | 14,621 | 451 | 14,490 | 18,230 | 7,553 |
| NET PROFIT - COST RATIO | 0.33 | 0.39 | 0.20 | 0.28 | 0.28 | 0.01 | 0.31 | 0.37 | 0.17 |
| <i>Cost per kilogram (PhP)</i> | 13.48 | 13.72 | 13.72 | 13.87 | 15.53 | 15.06 | 13.62 | 14.23 | 13.59 |
| <i>Yield per hectare (kg)</i> | 3,380 | 3,532 | 3,451 | 3,463 | 3,373 | 3,219 | 3,418 | 3,458 | 3,360 |
| <i>Farmgate price (PhP/kg)</i> | 17.96 | 19.15 | 16.48 | 17.77 | 19.87 | 15.20 | 17.86 | 19.51 | 15.84 |

b/ Less than PhP 1

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Table 16C. Non-Irrigated Palay: Updated Average Costs of Production, by Season, Caraga, 2017 - 2019

| ITEM | DRY SEASON | | | WET SEASON | | | ANNUAL | | |
|--|-----------------------------|--------|--------|------------|--------|--------|--------|--------|--------|
| | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| | <i>(in PhP per hectare)</i> | | | | | | | | |
| CASH COSTS | 16,380 | 17,173 | 17,722 | 15,329 | 16,715 | 16,365 | 15,991 | 16,612 | 16,426 |
| Seeds | 1,320 | 1,408 | 1,211 | 1,158 | 1,294 | 990 | 1,254 | 1,369 | 1,112 |
| Fertilizer | 2,005 | 2,091 | 2,279 | 2,283 | 2,514 | 2,539 | 2,099 | 2,251 | 2,361 |
| Pesticides | 1,372 | 1,458 | 1,289 | 1,691 | 1,994 | 1,369 | 1,501 | 1,653 | 1,459 |
| Hired labor | 6,931 | 7,331 | 7,833 | 5,253 | 5,670 | 6,090 | 6,335 | 6,372 | 6,407 |
| Land tax | 113 | 114 | 116 | 153 | 155 | 156 | 129 | 130 | 131 |
| Rentals | 947 | 1,002 | 1,051 | 656 | 709 | 753 | 823 | 833 | 824 |
| Fuel & Oil | 431 | 406 | 438 | 943 | 992 | 1,019 | 633 | 630 | 663 |
| Transport cost of inputs | 88 | 95 | 97 | 207 | 222 | 223 | 134 | 144 | 145 |
| Interest payment on crop loan | 264 | 290 | 319 | 333 | 366 | 403 | 290 | 319 | 351 |
| Sacks and tying materials | 272 | 280 | 288 | 426 | 448 | 452 | 331 | 345 | 351 |
| Electricity cost | 416 | 392 | 423 | 123 | 129 | 133 | 293 | 292 | 306 |
| Food expense | 1,512 | 1,587 | 1,625 | 1,266 | 1,356 | 1,329 | 1,415 | 1,500 | 1,503 |
| Repairs | 704 | 713 | 748 | 837 | 866 | 910 | 752 | 770 | 809 |
| Others ^{a/} | 5 | 5 | 5 | | | | 3 | 3 | 3 |
| NON-CASH COSTS | 12,890 | 14,078 | 12,300 | 13,168 | 14,593 | 11,685 | 13,001 | 14,351 | 11,968 |
| Seeds | 380 | 405 | 348 | 1,113 | 1,244 | 952 | 676 | 738 | 599 |
| Pesticides | | | | 1 | 1 | 1 | b/ | b/ | b/ |
| Hired labor in kind | 391 | 414 | 442 | 589 | 635 | 682 | 466 | 469 | 471 |
| Harvesters' share | 3,197 | 3,548 | 2,939 | 3,551 | 3,934 | 2,953 | 3,346 | 3,755 | 2,977 |
| Threshers' share | 3,691 | 4,097 | 3,394 | 3,698 | 4,097 | 3,076 | 3,694 | 4,146 | 3,287 |
| Landowner's share | 3,538 | 3,772 | 3,246 | 2,831 | 3,165 | 2,422 | 3,249 | 3,548 | 2,881 |
| Caretaker/overseers wages | | | | 269 | 290 | 311 | 107 | 107 | 108 |
| Rentals | 557 | 592 | 556 | 334 | 366 | 345 | 464 | 490 | 437 |
| Interest payment on crop loan | 1,136 | 1,250 | 1,375 | 748 | 823 | 905 | 986 | 1,085 | 1,193 |
| Sacks and tying materials | | | | 36 | 38 | 38 | 13 | 14 | 14 |
| IMPUTED COSTS | 8,158 | 8,683 | 9,034 | 10,469 | 11,394 | 11,503 | 9,085 | 9,430 | 9,307 |
| Seeds | 211 | 225 | 193 | 104 | 116 | 89 | 167 | 183 | 148 |
| Fertilizer | 3 | 3 | 3 | 87 | 95 | 96 | 34 | 36 | 38 |
| Pesticides | | | | 1 | 1 | 1 | 1 | 1 | 1 |
| Operator labor | 2,354 | 2,490 | 2,661 | 3,545 | 3,826 | 4,110 | 2,819 | 2,835 | 2,851 |
| Family labor | 2,479 | 2,622 | 2,801 | 2,348 | 2,534 | 2,722 | 2,442 | 2,456 | 2,469 |
| Exchange labor | 204 | 216 | 231 | 218 | 235 | 253 | 211 | 213 | 214 |
| Depreciation | 985 | 1,083 | 1,192 | 1,175 | 1,292 | 1,422 | 1,059 | 1,165 | 1,281 |
| Interest on operating capital | 856 | 909 | 973 | 866 | 919 | 984 | 859 | 912 | 976 |
| Rental value of owned land | 1,051 | 1,121 | 964 | 2,090 | 2,336 | 1,787 | 1,470 | 1,605 | 1,303 |
| Fuel & Oil | b/ | b/ | b/ | | | | b/ | b/ | b/ |
| Transport cost of inputs | | | | 4 | 4 | 4 | 1 | 1 | 1 |
| Sacks and tying materials | 14 | 15 | 15 | 32 | 34 | 34 | 23 | 24 | 24 |
| TOTAL COSTS | 37,428 | 39,934 | 39,056 | 38,966 | 42,702 | 39,553 | 38,077 | 40,394 | 37,701 |
| GROSS RETURNS | 50,061 | 55,568 | 46,027 | 45,232 | 50,114 | 37,618 | 48,025 | 53,900 | 42,732 |
| RETURNS ABOVE CASH COSTS | 33,681 | 38,395 | 28,305 | 29,904 | 33,399 | 21,252 | 32,034 | 37,288 | 26,307 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 20,791 | 24,318 | 16,005 | 16,735 | 18,806 | 9,567 | 19,033 | 22,937 | 14,339 |
| NET RETURNS | 12,634 | 15,634 | 6,971 | 6,267 | 7,412 | -1,936 | 9,948 | 13,507 | 5,032 |
| NET PROFIT - COST RATIO | 0.34 | 0.39 | 0.18 | 0.16 | 0.17 | -0.05 | 0.26 | 0.33 | 0.13 |
| <i>Cost per kilogram (PhP)</i> | 13.43 | 13.76 | 13.98 | 15.31 | 16.93 | 15.98 | 14.16 | 14.62 | 13.97 |
| <i>Yield per hectare (kg)</i> | 2,788 | 2,903 | 2,794 | 2,546 | 2,523 | 2,475 | 2,689 | 2,763 | 2,698 |
| <i>Farmgate price (PhP/kg)</i> | 17.96 | 19.15 | 16.48 | 17.77 | 19.87 | 15.20 | 17.86 | 19.51 | 15.84 |

a/ all other cost items not elsewhere classified

b/ Less than PhP 1

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Table 17A. All Palay: Updated Average Costs of Production, by Season, BARMM, 2017 - 2019

| ITEM | DRY SEASON | | | WET SEASON | | | ANNUAL | | |
|--|-----------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| | <i>(in PhP per hectare)</i> | | | | | | | | |
| CASH COSTS | 14,111 | 14,915 | 15,646 | 11,946 | 12,638 | 12,415 | 12,821 | 13,561 | 13,829 |
| Seeds | 1,886 | 2,053 | 2,205 | 1,801 | 1,886 | 1,479 | 1,853 | 1,979 | 1,843 |
| Fertilizer | 1,779 | 1,867 | 2,038 | 1,145 | 1,212 | 1,257 | 1,492 | 1,574 | 1,675 |
| Pesticides | 926 | 950 | 879 | 590 | 649 | 539 | 785 | 826 | 729 |
| Hired labor | 6,662 | 7,056 | 7,415 | 5,701 | 6,020 | 6,322 | 5,905 | 6,247 | 6,566 |
| Land tax | 184 | 186 | 188 | 169 | 170 | 172 | 178 | 180 | 181 |
| Rentals | 995 | 1,054 | 1,107 | 699 | 739 | 776 | 873 | 924 | 971 |
| Fuel & Oil | 34 | 36 | 38 | 9 | 10 | 11 | 24 | 26 | 27 |
| Transport cost of inputs | 206 | 211 | 221 | 260 | 277 | 284 | 229 | 240 | 248 |
| Interest payment on crop loan | 28 | 30 | 33 | | | | 15 | 17 | 19 |
| Irrigation fee | | | | 494 | 518 | 406 | 202 | 215 | 201 |
| Sacks and tying materials | 476 | 506 | 526 | 504 | 545 | 551 | 488 | 523 | 536 |
| Food expense | 220 | 238 | 245 | 418 | 456 | 454 | 305 | 330 | 335 |
| Repairs | 716 | 730 | 751 | 154 | 158 | 164 | 471 | 481 | 498 |
| NON-CASH COSTS | 4,943 | 5,373 | 6,411 | 5,636 | 6,633 | 5,886 | 5,235 | 5,939 | 6,188 |
| Seeds | 96 | 105 | 113 | 72 | 75 | 59 | 86 | 92 | 85 |
| Hired labor in kind | | | | 3 | 3 | 4 | 1 | 1 | 1 |
| Harvesters' share | 2,119 | 2,302 | 2,862 | 2,901 | 3,457 | 3,103 | 2,441 | 2,813 | 3,006 |
| Threshers' share | 1,369 | 1,488 | 1,849 | 2,159 | 2,572 | 2,309 | 1,695 | 1,954 | 2,088 |
| Landowner's share | 1,064 | 1,158 | 1,244 | 502 | 526 | 412 | 836 | 893 | 831 |
| Caretaker/overseers wages | 27 | 29 | 31 | | | | 16 | 17 | 18 |
| Rentals | 45 | 50 | 53 | | | | 27 | 29 | 27 |
| Irrigation fee | 177 | 192 | 206 | | | | 105 | 112 | 105 |
| IMPUTED COSTS | 11,991 | 12,757 | 13,477 | 12,557 | 13,267 | 13,301 | 12,271 | 13,021 | 13,500 |
| Operator labor | 2,787 | 2,952 | 3,102 | 2,882 | 3,043 | 3,196 | 2,851 | 3,016 | 3,170 |
| Family labor | 6,233 | 6,601 | 6,937 | 5,066 | 5,349 | 5,618 | 5,769 | 6,103 | 6,414 |
| Exchange labor | 464 | 491 | 516 | 982 | 1,036 | 1,089 | 687 | 726 | 764 |
| Depreciation | 409 | 450 | 495 | 530 | 583 | 642 | 462 | 508 | 559 |
| Interest on operating capital | 775 | 823 | 881 | 631 | 669 | 717 | 710 | 753 | 807 |
| Rental value of owned land | 1,292 | 1,406 | 1,511 | 2,415 | 2,529 | 1,984 | 1,752 | 1,870 | 1,742 |
| Sacks and tying materials | 31 | 33 | 34 | 52 | 56 | 57 | 40 | 43 | 44 |
| TOTAL COSTS | 31,046 | 33,046 | 35,534 | 30,140 | 32,538 | 31,602 | 30,327 | 32,522 | 33,517 |
| GROSS RETURNS | 43,674 | 47,454 | 58,986 | 43,392 | 51,704 | 46,408 | 43,481 | 50,110 | 53,549 |
| RETURNS ABOVE CASH COSTS | 29,563 | 32,539 | 43,340 | 31,446 | 39,066 | 33,993 | 30,660 | 36,549 | 39,720 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 24,620 | 27,166 | 36,929 | 25,810 | 32,433 | 28,107 | 25,425 | 30,609 | 33,532 |
| NET RETURNS | 12,628 | 14,409 | 23,452 | 13,253 | 19,167 | 14,806 | 13,154 | 17,588 | 20,032 |
| NET PROFIT - COST RATIO | 0.41 | 0.44 | 0.66 | 0.44 | 0.59 | 0.47 | 0.43 | 0.54 | 0.60 |
| <i>Cost per kilogram (PhP)</i> | <i>11.76</i> | <i>12.55</i> | <i>11.66</i> | <i>11.62</i> | <i>11.02</i> | <i>9.35</i> | <i>11.61</i> | <i>11.53</i> | <i>10.35</i> |
| <i>Yield per hectare (kg)</i> | <i>2,639</i> | <i>2,634</i> | <i>3,048</i> | <i>2,594</i> | <i>2,952</i> | <i>3,378</i> | <i>2,613</i> | <i>2,821</i> | <i>3,237</i> |
| <i>Farmgate price (PhP/kg)</i> | <i>16.55</i> | <i>18.02</i> | <i>19.35</i> | <i>16.73</i> | <i>17.52</i> | <i>13.74</i> | <i>16.64</i> | <i>17.77</i> | <i>16.54</i> |

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Table 17B. Irrigated Palay: Updated Average Costs of Production, by Season, BARMM, 2017 - 2019

| ITEM | DRY SEASON | | | WET SEASON | | | ANNUAL | | |
|--|-----------------------------|--------|--------|------------|--------|--------|--------|--------|--------|
| | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| | <i>(in PhP per hectare)</i> | | | | | | | | |
| CASH COSTS | 15,735 | 15,982 | 16,750 | 19,917 | 19,902 | 19,583 | 17,417 | 17,659 | 18,119 |
| Seeds | 962 | 1,047 | 1,125 | 1,930 | 2,021 | 1,585 | 1,318 | 1,407 | 1,311 |
| Fertilizer | 1,979 | 2,078 | 2,268 | 1,637 | 1,731 | 1,796 | 1,853 | 1,954 | 2,080 |
| Pesticides | 907 | 930 | 861 | 1,050 | 1,154 | 959 | 972 | 1,023 | 903 |
| Hired labor | 7,797 | 7,633 | 8,021 | 9,933 | 9,314 | 9,783 | 8,717 | 8,456 | 8,888 |
| Land tax | 99 | 100 | 101 | 144 | 145 | 147 | 116 | 117 | 118 |
| Rentals | 1,865 | 1,976 | 2,076 | 2,043 | 2,157 | 2,266 | 1,950 | 2,063 | 2,168 |
| Fuel & Oil | 56 | 59 | 62 | 30 | 33 | 34 | 46 | 49 | 50 |
| Transport cost of inputs | 274 | 282 | 295 | 286 | 304 | 312 | 280 | 293 | 303 |
| Irrigation fee | | | | 1,537 | 1,610 | 1,263 | 558 | 596 | 555 |
| Sacks and tying materials | 526 | 559 | 581 | 360 | 388 | 393 | 461 | 494 | 507 |
| Food expense | 439 | 473 | 489 | 812 | 885 | 883 | 586 | 636 | 645 |
| Repairs | 830 | 846 | 871 | 155 | 159 | 165 | 560 | 571 | 591 |
| NON-CASH COSTS | 6,345 | 7,248 | 7,911 | 7,876 | 9,975 | 7,983 | 6,954 | 8,284 | 7,924 |
| Seeds | 173 | 188 | 202 | | | | 111 | 119 | 110 |
| Harvesters' share | 1,720 | 2,044 | 2,259 | 3,677 | 4,856 | 3,902 | 2,450 | 3,082 | 2,980 |
| Threshers' share | 1,720 | 2,044 | 2,259 | 2,637 | 3,483 | 2,799 | 2,076 | 2,612 | 2,526 |
| Landowner's share | 2,208 | 2,404 | 2,582 | 1,561 | 1,635 | 1,282 | 1,985 | 2,119 | 1,973 |
| Caretaker/overseers wages | 72 | 76 | 80 | | | | 42 | 45 | 47 |
| Irrigation fee | 452 | 492 | 528 | | | | 290 | 309 | 288 |
| IMPUTED COSTS | 10,362 | 11,009 | 11,621 | 9,306 | 9,879 | 10,444 | 10,815 | 11,474 | 12,059 |
| Operator labor | 2,753 | 2,915 | 3,064 | 4,017 | 4,241 | 4,454 | 3,919 | 4,146 | 4,358 |
| Family labor | 5,693 | 6,030 | 6,336 | 2,709 | 2,860 | 3,004 | 4,693 | 4,964 | 5,218 |
| Exchange labor | 52 | 55 | 58 | 462 | 488 | 512 | 210 | 223 | 234 |
| Depreciation | 353 | 389 | 428 | 976 | 1,074 | 1,182 | 601 | 661 | 727 |
| Interest on operating capital | 857 | 909 | 974 | 993 | 1,054 | 1,128 | 913 | 969 | 1,037 |
| Rental value of owned land | 607 | 660 | 709 | | | | 390 | 417 | 388 |
| Sacks and tying materials | 47 | 50 | 52 | 150 | 162 | 164 | 89 | 95 | 98 |
| TOTAL COSTS | 32,441 | 34,239 | 36,281 | 37,099 | 39,756 | 38,011 | 35,185 | 37,417 | 38,102 |
| GROSS RETURNS | 52,463 | 62,345 | 68,905 | 59,784 | 78,961 | 63,444 | 55,878 | 70,287 | 67,973 |
| RETURNS ABOVE CASH COSTS | 36,728 | 46,363 | 52,155 | 39,867 | 59,059 | 43,860 | 38,461 | 52,628 | 49,854 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 30,383 | 39,114 | 44,244 | 31,991 | 49,084 | 35,877 | 31,508 | 44,343 | 41,930 |
| NET RETURNS | 20,021 | 28,106 | 32,623 | 22,685 | 39,205 | 25,433 | 20,693 | 32,869 | 29,871 |
| NET PROFIT - COST RATIO | 0.62 | 0.82 | 0.90 | 0.61 | 0.99 | 0.67 | 0.59 | 0.88 | 0.78 |
| <i>Cost per kilogram (PhP)</i> | 10.23 | 9.89 | 10.19 | 10.38 | 8.82 | 8.23 | 10.48 | 9.46 | 9.27 |
| <i>Yield per hectare (kg)</i> | 3,170 | 3,461 | 3,561 | 3,575 | 4,508 | 4,619 | 3,358 | 3,956 | 4,109 |
| <i>Farmgate price (PhP/kg)</i> | 16.55 | 18.02 | 19.35 | 16.73 | 17.52 | 13.74 | 16.64 | 17.77 | 16.54 |

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Table 17C. Non-Irrigated Palay: Updated Average Costs of Production, by Season, BARMM, 2017 - 2019

| ITEM | DRY SEASON | | | WET SEASON | | | ANNUAL | | |
|--|-----------------------------|--------|--------|------------|--------|--------|--------|--------|--------|
| | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| | <i>(in PhP per hectare)</i> | | | | | | | | |
| CASH COSTS | 11,305 | 11,961 | 12,553 | 7,899 | 8,353 | 8,147 | 10,615 | 11,226 | 11,389 |
| Seeds | 2,475 | 2,695 | 2,894 | 1,708 | 1,788 | 1,402 | 2,140 | 2,285 | 2,128 |
| Fertilizer | 1,611 | 1,691 | 1,846 | 973 | 1,029 | 1,067 | 1,389 | 1,465 | 1,559 |
| Pesticides | 937 | 961 | 890 | 351 | 385 | 320 | 673 | 709 | 626 |
| Hired labor | 4,228 | 4,478 | 4,705 | 3,494 | 3,689 | 3,875 | 4,671 | 4,941 | 5,194 |
| Land tax | 238 | 240 | 242 | 181 | 182 | 184 | 212 | 214 | 216 |
| Rentals | 427 | 453 | 476 | | | | 234 | 248 | 260 |
| Fuel & Oil | 20 | 21 | 22 | | | | 10 | 10 | 11 |
| Transport cost of inputs | 162 | 166 | 174 | 246 | 262 | 268 | 200 | 209 | 216 |
| Interest payment on crop loan | 47 | 52 | 57 | | | | 25 | 28 | 31 |
| Sacks and tying materials | 442 | 470 | 489 | 581 | 627 | 634 | 503 | 539 | 553 |
| Food expense | 77 | 83 | 86 | 214 | 233 | 232 | 139 | 150 | 153 |
| Repairs | 640 | 652 | 671 | 153 | 157 | 162 | 419 | 428 | 443 |
| NON-CASH COSTS | 4,381 | 4,590 | 5,834 | 5,227 | 6,004 | 5,398 | 4,747 | 5,271 | 5,679 |
| Seeds | 46 | 50 | 54 | 104 | 109 | 85 | 72 | 77 | 72 |
| Hired labor in kind | | | | 7 | 8 | 8 | 3 | 3 | 3 |
| Harvesters' share | 2,619 | 2,730 | 3,545 | 2,904 | 3,342 | 3,012 | 2,740 | 3,051 | 3,320 |
| Threshers' share | 1,241 | 1,294 | 1,680 | 2,211 | 2,545 | 2,293 | 1,667 | 1,857 | 2,021 |
| Landowner's share | 325 | 354 | 380 | | | | 182 | 195 | 181 |
| Rentals | 74 | 81 | 87 | | | | 41 | 44 | 41 |
| IMPUTED COSTS | 13,356 | 14,217 | 15,022 | 14,538 | 15,337 | 15,160 | 13,952 | 14,802 | 15,270 |
| Operator labor | 2,810 | 2,976 | 3,127 | 2,542 | 2,684 | 2,819 | 2,711 | 2,868 | 3,014 |
| Family labor | 6,903 | 7,311 | 7,683 | 6,502 | 6,866 | 7,211 | 6,776 | 7,168 | 7,534 |
| Exchange labor | 731 | 774 | 813 | 1,253 | 1,323 | 1,389 | 968 | 1,024 | 1,077 |
| Depreciation | 444 | 488 | 537 | 296 | 326 | 359 | 378 | 415 | 457 |
| Interest on operating capital | 716 | 760 | 814 | 449 | 477 | 511 | 601 | 638 | 683 |
| Rental value of owned land | 1,730 | 1,883 | 2,023 | 3,496 | 3,662 | 2,871 | 2,507 | 2,677 | 2,492 |
| Sacks and tying materials | 22 | 23 | 24 | | | | 12 | 12 | 13 |
| TOTAL COSTS | 29,042 | 30,768 | 33,408 | 27,664 | 29,694 | 28,705 | 29,315 | 31,300 | 32,338 |
| GROSS RETURNS | 41,382 | 43,125 | 56,010 | 40,995 | 47,179 | 42,509 | 41,110 | 45,782 | 49,821 |
| RETURNS ABOVE CASH COSTS | 30,077 | 31,164 | 43,458 | 33,096 | 38,826 | 34,363 | 30,495 | 34,556 | 38,433 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 25,696 | 26,574 | 37,624 | 27,869 | 32,822 | 28,965 | 25,748 | 29,285 | 32,753 |
| NET RETURNS | 12,340 | 12,357 | 22,602 | 13,331 | 17,486 | 13,805 | 11,795 | 14,483 | 17,484 |
| NET PROFIT - COST RATIO | 0.42 | 0.40 | 0.68 | 0.48 | 0.59 | 0.48 | 0.40 | 0.46 | 0.54 |
| <i>Cost per kilogram (PhP)</i> | 11.61 | 12.85 | 11.54 | 11.29 | 11.02 | 9.28 | 11.87 | 12.15 | 10.74 |
| <i>Yield per hectare (kg)</i> | 2,501 | 2,394 | 2,895 | 2,451 | 2,693 | 3,095 | 2,471 | 2,577 | 3,012 |
| <i>Farmgate price (PhP/kg)</i> | 16.55 | 18.02 | 19.35 | 16.73 | 17.52 | 13.74 | 16.64 | 17.77 | 16.54 |

B. CORN

SUMMARY TABLES

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Table 18.1. All Corn: Summary of Updated Average Costs of Production, by Region, Philippines, 2019

| REGION | Gross Returns (PhP/ha) | Total Costs (PhP/ha) | Net Returns (PhP/ha) | Net Profit-Cost Ratio | Cost per Kilogram (PhP) | Farmgate Price (PhP/kg) |
|---------------------|------------------------|----------------------|----------------------|-----------------------|-------------------------|-------------------------|
| Philippines | 41,337 | 24,740 | 16,598 | 0.67 | 7.80 | 13.04 |
| CAR | | | | | | |
| Ilocos Region | | | | | | |
| Cagayan Valley | 56,885 | 51,575 | 5,310 | 0.10 | 11.82 | 13.03 |
| Central Luzon | | | | | | |
| CALABARZON | | | | | | |
| MIMAROPA Region | 53,341 | 19,266 | 34,075 | 1.77 | 5.27 | 14.60 |
| Bicol Region | 32,166 | 17,007 | 15,159 | 0.89 | 7.20 | 13.61 |
| Western Visayas | 39,066 | 29,964 | 9,101 | 0.30 | 10.36 | 13.51 |
| Central Visayas | | | | | | |
| Eastern Visayas | | | | | | |
| Zamboanga Peninsula | 18,821 | 16,204 | 2,617 | 0.16 | 10.36 | 12.04 |
| Northern Mindanao | 45,998 | 22,031 | 23,966 | 1.09 | 6.31 | 13.18 |
| Davao Region | | | | | | |
| SOCCKSARGEN | 35,765 | 24,607 | 11,157 | 0.45 | 8.81 | 12.81 |
| Caraga | 42,890 | 25,256 | 17,634 | 0.70 | 7.04 | 11.95 |
| BARMM | 42,100 | 23,153 | 18,947 | 0.82 | 6.96 | 12.65 |

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Table 18.2. White Corn: Summary of Updated Average Costs of Production, by Region, Philippines, 2019

| REGION | Gross Returns (PhP/ha) | Total Costs (PhP/ha) | Net Returns (PhP/ha) | Net Profit-Cost Ratio | Cost per Kilogram (PhP) | Farmgate Price (PhP/kg) |
|---------------------|------------------------|----------------------|----------------------|-----------------------|-------------------------|-------------------------|
| Philippines | 24,352 | 16,189 | 8,162 | 0.50 | 8.61 | 12.95 |
| CAR | | | | | | |
| Ilocos Region | | | | | | |
| Cagayan Valley | 35,472 | 32,998 | 2,474 | 0.07 | 11.40 | 12.26 |
| Central Luzon | | | | | | |
| CALABARZON | 23,227 | 8,693 | 14,534 | 1.67 | 5.16 | 13.77 |
| MIMAROPA Region | 29,529 | 23,503 | 6,025 | 0.26 | 10.30 | 12.94 |
| Bicol Region | 16,039 | 13,418 | 2,621 | 0.20 | 10.36 | 12.38 |
| Western Visayas | 24,394 | 14,995 | 9,399 | 0.63 | 8.16 | 13.28 |
| Central Visayas | 10,959 | 15,098 | -4,139 | -0.27 | 18.82 | 13.66 |
| Eastern Visayas | 18,594 | 14,387 | 4,206 | 0.29 | 10.40 | 13.44 |
| Zamboanga Peninsula | 17,154 | 15,093 | 2,061 | 0.14 | 11.01 | 12.52 |
| Northern Mindanao | 31,368 | 19,283 | 12,085 | 0.63 | 7.92 | 12.89 |
| Davao Region | 15,770 | 21,581 | -5,810 | -0.27 | 16.96 | 12.39 |
| SOCCKSARGEN | 23,179 | 19,482 | 3,698 | 0.19 | 10.97 | 13.05 |
| Caraga | 32,053 | 18,615 | 13,437 | 0.72 | 7.09 | 12.21 |
| BARMM | 34,822 | 21,051 | 13,771 | 0.65 | 7.54 | 12.47 |

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UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Table 18.3. Yellow Corn: Summary of Updated Average Costs of Production, by Region, Philippines, 2019

| REGION | Gross Returns (PhP/ha) | Total Costs (PhP/ha) | Net Returns (PhP/ha) | Net Profit-Cost Ratio | Cost per Kilogram (PhP) | Farmgate Price (PhP/kg) |
|---------------------|---------------------------|-------------------------|-------------------------|-----------------------|----------------------------|----------------------------|
| Philippines | 54,553 | 44,213 | 10,340 | 0.23 | 10.59 | 13.07 |
| CAR | 48,799 | 37,594 | 11,205 | 0.30 | 9.56 | 12.41 |
| Ilocos Region | 88,746 | 54,605 | 34,141 | 0.63 | 8.75 | 14.22 |
| Cagayan Valley | 57,490 | 51,693 | 5,797 | 0.11 | 11.73 | 13.05 |
| Central Luzon | 73,843 | 57,339 | 16,504 | 0.29 | 8.63 | 11.11 |
| CALABARZON | | | | | | |
| MIMAROPA Region | 60,676 | 18,030 | 42,645 | 2.37 | 4.42 | 14.89 |
| Bicol Region | 45,748 | 22,157 | 23,591 | 1.06 | 6.79 | 14.03 |
| Western Visayas | 50,288 | 45,987 | 4,301 | 0.09 | 12.44 | 13.60 |
| Central Visayas | | | | | | |
| Eastern Visayas | | | | | | |
| Zamboanga Peninsula | 35,215 | 22,418 | 12,796 | 0.57 | 6.47 | 10.16 |
| Northern Mindanao | 62,494 | 42,629 | 19,865 | 0.47 | 9.11 | 13.35 |
| Davao Region | | | | | | |
| SOCCSKSARGEN | 40,891 | 31,935 | 8,957 | 0.28 | 9.96 | 12.75 |
| Caraga | 56,228 | 41,539 | 14,690 | 0.35 | 8.70 | 11.78 |
| BARMM | 50,615 | 37,231 | 13,383 | 0.36 | 9.41 | 12.80 |

Blank cell indicates no data

FIGURES

UPDATED PRODUCTION COSTS AND RETURNS OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN

Figure 10. Corn: Total Costs per Hectare, by Crop Type and Region, 2019

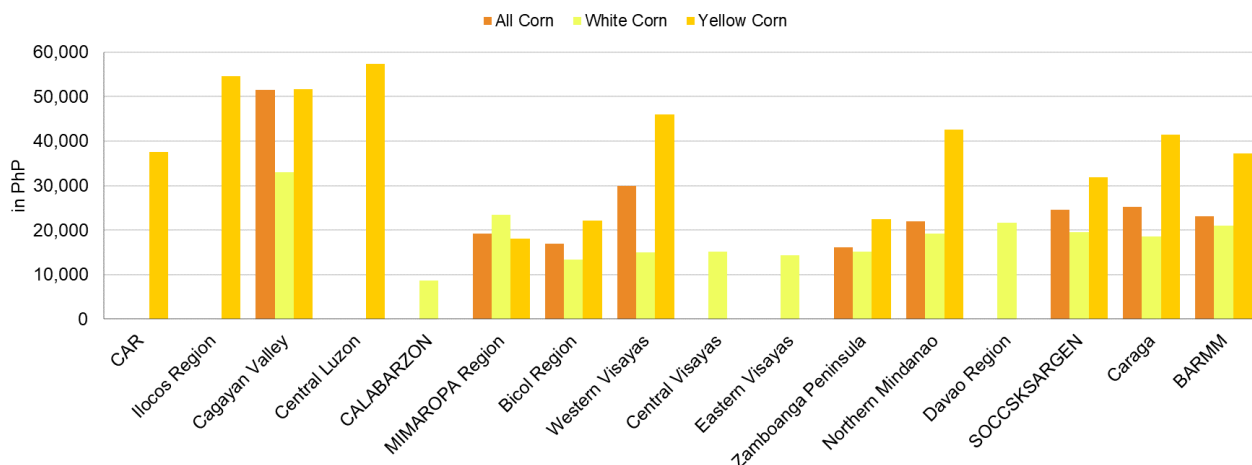


Figure 11. Corn: Gross Returns per Hectare, by Crop Type and Region, 2019

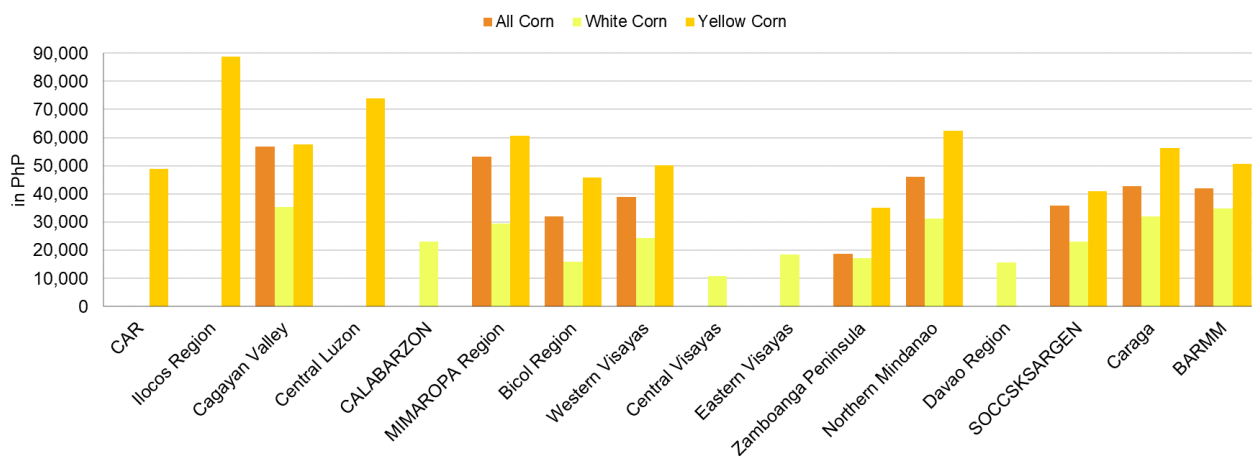
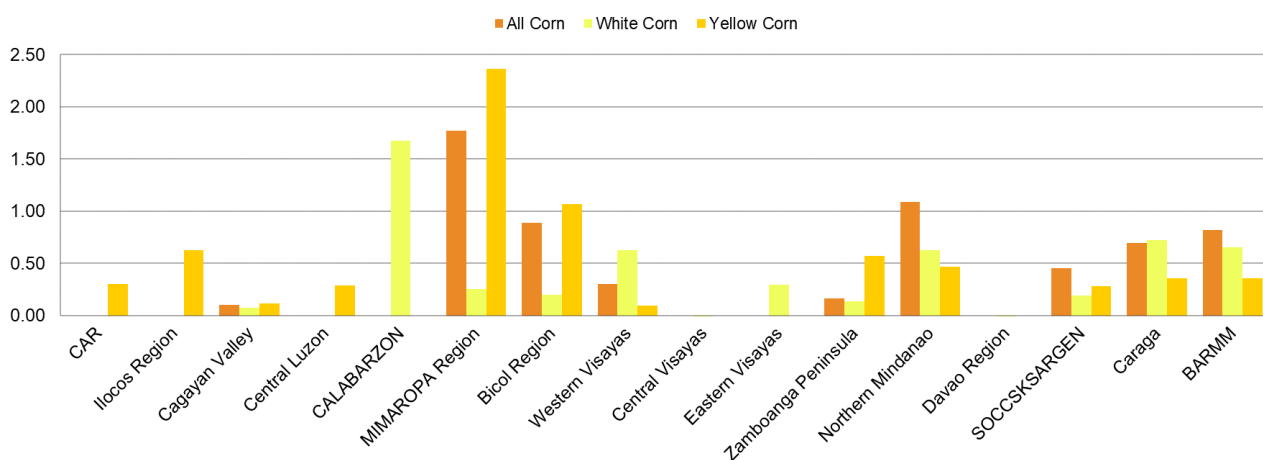


Figure 12. Corn: Net Profit - Cost Ratio, by Crop Type and Region, 2019



Source: Philippine Statistics Authority

STATISTICAL TABLES

**UPDATED PRODUCTION COSTS AND RETURNS
OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN**

Table 18A. All Corn: Updated Average Costs of Production, Philippines, 2017 - 2019

| ITEM | 2017 | 2018 | 2019 |
|--|-----------------------------|--------|--------|
| | <i>(in PhP per hectare)</i> | | |
| CASH COSTS | 14,682 | 15,476 | 16,030 |
| Seeds | 2,103 | 2,496 | 2,301 |
| Fertilizer | 3,166 | 3,380 | 3,632 |
| Pesticides | 838 | 805 | 938 |
| Hired labor | 5,324 | 5,341 | 5,590 |
| Caretaker/overseer's wages | 20 | 20 | 21 |
| Land tax | 112 | 113 | 114 |
| Rentals | 342 | 371 | 366 |
| Fuel and Oil | 257 | 275 | 277 |
| Transport cost of inputs | 196 | 209 | 211 |
| Interest payment on crop loan | 647 | 712 | 783 |
| Irrigation fee | 12 | 14 | 13 |
| Sacks and tying materials / needle | 313 | 329 | 337 |
| Electricity cost | 10 | 11 | 11 |
| Food expense | 650 | 693 | 705 |
| Repairs | 668 | 684 | 705 |
| Other costs | 23 | 24 | 25 |
| NON-CASH COSTS | 2,074 | 2,422 | 2,298 |
| Seeds | 173 | 206 | 190 |
| Fertilizer | 61 | 65 | 70 |
| Pesticides | 28 | 26 | 31 |
| Hired labor in kind | 115 | 115 | 121 |
| Caretaker/overseer's wages | 2 | 2 | 2 |
| Harvester's share | 964 | 1,142 | 1,078 |
| Sheller's share | 257 | 304 | 287 |
| Landowner's share | 452 | 537 | 495 |
| Rentals | 14 | 16 | 15 |
| Interest payment on crop loan | 8 | 9 | 10 |
| IMPUTED COSTS | 5,757 | 6,238 | 6,412 |
| Seeds | 55 | 66 | 60 |
| Fertilizer | 72 | 76 | 82 |
| Pesticides | 6 | 5 | 6 |
| Operator labor | 115 | 115 | 121 |
| Family labor | 2,314 | 2,321 | 2,430 |
| Exchange labor | 366 | 367 | 384 |
| Depreciation | 480 | 528 | 581 |
| Interest on operating capital | 645 | 739 | 885 |
| Rental value of owned land | 1,684 | 1,999 | 1,842 |
| Land tax | 11 | 11 | 11 |
| Sacks and tying materials / needle | 9 | 10 | 10 |
| TOTAL COSTS | 22,513 | 24,136 | 24,740 |
| GROSS RETURNS | 36,966 | 43,783 | 41,337 |
| RETURNS ABOVE CASH COSTS | 22,284 | 28,306 | 25,308 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 20,210 | 25,884 | 23,010 |
| NET RETURNS | 14,453 | 19,646 | 16,598 |
| NET PROFIT - COST RATIO | 0.64 | 0.81 | 0.67 |
| <i>Cost per kilogram (PhP)</i> | 7.26 | 7.80 | 7.80 |
| <i>Yield per hectare (kg)</i> | 3,101 | 3,095 | 3,170 |
| <i>Farmgate price (PhP/kg)</i> | 11.92 | 14.15 | 13.04 |

**UPDATED PRODUCTION COSTS AND RETURNS
OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN**

Table 18B. White Corn: Updated Average Costs of Production, Philippines, 2017 - 2019

| ITEM | 2017 | 2018 | 2019 |
|---------------------------------------|-----------------------------|--------|--------|
| | <i>(in PhP per hectare)</i> | | |
| CASH COSTS | 6,508 | 6,682 | 7,025 |
| Seeds | 111 | 125 | 112 |
| Fertilizer | 1,717 | 1,813 | 1,941 |
| Pesticides | 363 | 349 | 406 |
| Hired labor | 2,751 | 2,759 | 2,888 |
| Caretaker/overseer's wages | 1 | 1 | 1 |
| Land tax | 114 | 115 | 117 |
| Rentals | 257 | 263 | 269 |
| Fuel & Oil | 2 | 2 | 2 |
| Transport cost of inputs | 152 | 162 | 164 |
| Interest payment on crop loan | 83 | 92 | 101 |
| Irrigation fee | 6 | 7 | 6 |
| Sacks & tying materials/needle | 108 | 114 | 117 |
| Electricity cost | 5 | 5 | 5 |
| Food expense | 421 | 449 | 457 |
| Repairs | 413 | 422 | 435 |
| Other costs | 3 | 3 | 3 |
| NON-CASH COSTS | 1,616 | 1,862 | 1,695 |
| Seeds | 162 | 183 | 163 |
| Fertilizer | 6 | 6 | 7 |
| Pesticides | 6 | 5 | 6 |
| Hired labor in kind | 106 | 114 | 119 |
| Harvesters' share | 792 | 931 | 841 |
| Sheller's share | 174 | 204 | 184 |
| Landowner's share | 354 | 401 | 358 |
| Caretaker/overseer's wages | 3 | 3 | 3 |
| Rentals | 13 | 14 | 14 |
| IMPUTED COSTS | 7,023 | 7,230 | 7,470 |
| Seeds | 30 | 34 | 31 |
| Fertilizer | 6 | 7 | 7 |
| Pesticides | 6 | 5 | 6 |
| Operator labor | 2,447 | 2,455 | 2,569 |
| Family labor | 2,696 | 2,704 | 2,831 |
| Exchange labor | 304 | 305 | 319 |
| Depreciation | 292 | 321 | 353 |
| Interest on operating capital | 278 | 310 | 379 |
| Rental value of owned land | 945 | 1,070 | 955 |
| Land tax | 13 | 13 | 14 |
| Transport cost of inputs | 1 | 1 | 1 |
| Sacks & Tying materials/needle | 5 | 5 | 5 |
| TOTAL COSTS | 15,146 | 15,775 | 16,189 |
| GROSS RETURNS | 22,957 | 26,980 | 24,352 |
| RETURNS ABOVE CASH COSTS | 16,450 | 20,298 | 17,327 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 14,834 | 18,436 | 15,632 |
| NET RETURNS | 7,811 | 11,206 | 8,162 |
| NET PROFIT - COST RATIO | 0.52 | 0.71 | 0.50 |
| <i>Cost per kilogram (PhP)</i> | 8.45 | 8.48 | 8.61 |
| <i>Yield per hectare (kg)</i> | 1,792 | 1,859 | 1,880 |
| <i>Farmgate price (PhP/kg)</i> | 12.81 | 14.51 | 12.95 |

**UPDATED PRODUCTION COSTS AND RETURNS
OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN**

Table 18C. Yellow Corn: Updated Average Costs of Production, Philippines, 2017 - 2019

| ITEM | 2017 | 2018 | 2019 |
|--|-----------------------------|--------|--------|
| | <i>(in PhP per hectare)</i> | | |
| CASH COSTS | 28,534 | 30,504 | 31,461 |
| Seeds | 5,590 | 6,752 | 6,299 |
| Fertilizer | 5,607 | 6,018 | 6,478 |
| Pesticides | 1,631 | 1,567 | 1,825 |
| Hired labor | 9,658 | 9,687 | 10,140 |
| Caretaker/overseer's wages | 50 | 51 | 53 |
| Land tax | 109 | 110 | 111 |
| Rentals | 490 | 561 | 541 |
| Fuel & oil | 686 | 734 | 739 |
| Transport cost of inputs | 267 | 285 | 288 |
| Interest payment on crop loan | 1,595 | 1,754 | 1,930 |
| Irrigation fee | 21 | 26 | 24 |
| Sacks & Tying materials/needle | 621 | 653 | 670 |
| Electricity cost | 18 | 19 | 20 |
| Food expense | 1,036 | 1,104 | 1,124 |
| Repairs | 1,097 | 1,123 | 1,158 |
| Other costs | 56 | 59 | 61 |
| NON-CASH COSTS | 2,678 | 3,146 | 2,996 |
| Seeds | 182 | 219 | 205 |
| Fertilizer | 156 | 167 | 180 |
| Pesticides | 34 | 33 | 38 |
| Hired labor in kind | 124 | 125 | 131 |
| Harvesters' share | 1,166 | 1,384 | 1,300 |
| Sheller's share | 373 | 442 | 416 |
| Landowner's share | 605 | 730 | 681 |
| Rentals | 18 | 22 | 21 |
| Interest payment on crop loan | 21 | 23 | 25 |
| IMPUTED COSTS | 8,534 | 9,474 | 9,756 |
| Seeds | 95 | 114 | 107 |
| Fertilizer | 183 | 196 | 211 |
| Pesticides | 12 | 12 | 13 |
| Operator labor | 1,086 | 1,089 | 1,136 |
| Family labor | 1,671 | 1,676 | 1,749 |
| Exchange labor | 468 | 469 | 491 |
| Depreciation | 801 | 881 | 969 |
| Interest on operating capital | 1,269 | 1,478 | 1,757 |
| Rental value of owned land | 2,925 | 3,532 | 3,295 |
| Land tax | 8 | 8 | 8 |
| Sacks & Tying materials/needle | 18 | 19 | 19 |
| TOTAL COSTS | 39,746 | 43,123 | 44,213 |
| GROSS RETURNS | 48,898 | 58,061 | 54,553 |
| RETURNS ABOVE CASH COSTS | 20,364 | 27,557 | 23,092 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 17,687 | 24,411 | 20,096 |
| NET RETURNS | 9,152 | 14,937 | 10,340 |
| NET PROFIT - COST RATIO | 0.23 | 0.35 | 0.23 |
| <i>Cost per kilogram (PhP)</i> | 9.43 | 10.41 | 10.59 |
| <i>Yield per hectare (kg)</i> | 4,215 | 4,144 | 4,174 |
| <i>Farmgate price (PhP/kg)</i> | 11.60 | 14.01 | 13.07 |

**UPDATED PRODUCTION COSTS AND RETURNS
OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN**

Table 19. Yellow Corn: Updated Average Costs of Production, CAR, 2017 - 2019

| ITEM | 2017 | 2018 | 2019 |
|--|-----------------------------|--------|--------|
| | <i>(in PhP per hectare)</i> | | |
| CASH COSTS | 19,758 | 21,532 | 22,271 |
| Seeds | 3,074 | 4,074 | 3,568 |
| Fertilizer | 6,259 | 6,488 | 7,197 |
| Pesticides | 285 | 254 | 300 |
| Hired labor | 5,350 | 5,682 | 5,992 |
| Land tax | 2 | 2 | 2 |
| Rentals | 63 | 84 | 73 |
| Transport cost of inputs | 347 | 365 | 369 |
| Interest payment on crop loan | 803 | 884 | 972 |
| Sacks and tying materials / needle | 1,046 | 1,085 | 1,108 |
| Food expense | 1,312 | 1,370 | 1,380 |
| Repairs | 1,217 | 1,244 | 1,309 |
| NON-CASH COSTS | 2,503 | 2,950 | 2,783 |
| Hired labor in kind | 434 | 461 | 486 |
| Harvester's share | 135 | 159 | 149 |
| Sheller's share | 1,583 | 1,865 | 1,741 |
| Landowner's share | 351 | 464 | 407 |
| IMPUTED COSTS | 10,902 | 11,756 | 12,540 |
| Seeds | 257 | 340 | 298 |
| Fertilizer | 794 | 823 | 913 |
| Operator labor | 551 | 585 | 617 |
| Family labor | 5,337 | 5,668 | 5,978 |
| Exchange labor | 2,790 | 2,963 | 3,125 |
| Depreciation | 330 | 363 | 400 |
| Interest on operating capital | 843 | 1,013 | 1,209 |
| TOTAL COSTS | 33,163 | 36,237 | 37,594 |
| GROSS RETURNS | 44,375 | 52,261 | 48,799 |
| RETURNS ABOVE CASH COSTS | 24,617 | 30,729 | 26,528 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 22,113 | 27,780 | 23,745 |
| NET RETURNS | 11,211 | 16,023 | 11,205 |
| NET PROFIT - COST RATIO | 0.34 | 0.44 | 0.30 |
| <i>Cost per kilogram (PhP)</i> | 7.99 | 9.82 | 9.56 |
| <i>Yield per hectare (kg)</i> | 4,151 | 3,689 | 3,933 |
| <i>Farmgate price (PhP/kg)</i> | 10.69 | 14.17 | 12.41 |

**UPDATED PRODUCTION COSTS AND RETURNS
OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN**

Table 20. Yellow Corn: Updated Average Costs of Production, Ilocos Region, 2017 - 2019

| ITEM | 2017 | 2018 | 2019 |
|--|-----------------------------|--------|--------|
| | <i>(in PhP per hectare)</i> | | |
| CASH COSTS | 39,303 | 43,331 | 44,350 |
| Seeds | 8,651 | 10,597 | 10,217 |
| Fertilizer | 7,437 | 8,068 | 8,426 |
| Pesticides | 644 | 690 | 760 |
| Hired labor | 13,484 | 14,115 | 14,891 |
| Caretaker/overseer's wages | 9 | 10 | 10 |
| Land tax | 194 | 196 | 198 |
| Rentals | 1,329 | 1,571 | 1,545 |
| Fuel and Oil | 3,638 | 3,944 | 4,057 |
| Transport cost of inputs | 412 | 440 | 438 |
| Interest payment on crop loan | 434 | 478 | 526 |
| Irrigation fee | 123 | 151 | 146 |
| Sacks and tying materials / needle | 1,056 | 1,119 | 1,146 |
| Food expense | 538 | 578 | 595 |
| Repairs | 1,354 | 1,373 | 1,395 |
| NON-CASH COSTS | 251 | 308 | 297 |
| Seeds | 251 | 308 | 297 |
| IMPUTED COSTS | 8,249 | 9,305 | 9,958 |
| Seeds | 27 | 33 | 32 |
| Fertilizer | 33 | 36 | 38 |
| Pesticides | 22 | 23 | 26 |
| Operator labor | 1,651 | 1,729 | 1,823 |
| Family labor | 1,545 | 1,618 | 1,707 |
| Exchange labor | 34 | 36 | 38 |
| Depreciation | 1,493 | 1,642 | 1,807 |
| Interest on operating capital | 1,702 | 2,055 | 2,431 |
| Rental value of owned land | 1,742 | 2,134 | 2,057 |
| TOTAL COSTS | 47,804 | 52,944 | 54,605 |
| GROSS RETURNS | 74,992 | 91,584 | 88,746 |
| RETURNS ABOVE CASH COSTS | 35,688 | 48,253 | 44,396 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 35,437 | 47,945 | 44,099 |
| NET RETURNS | 27,188 | 38,640 | 34,141 |
| NET PROFIT - COST RATIO | 0.57 | 0.73 | 0.63 |
| <i>Cost per kilogram (PhP)</i> | 7.68 | 8.53 | 8.75 |
| <i>Yield per hectare (kg)</i> | 6,226 | 6,208 | 6,239 |
| <i>Farmgate price (PhP/kg)</i> | 12.04 | 14.75 | 14.22 |

**UPDATED PRODUCTION COSTS AND RETURNS
OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN**

Table 21A. All Corn: Updated Average Costs of Production, Cagayan Valley, 2017 - 2019

| ITEM | 2017 | 2018 | 2019 |
|--|-----------------------------|--------|--------|
| | <i>(in PhP per hectare)</i> | | |
| CASH COSTS | 32,608 | 36,807 | 37,573 |
| Seeds | 8,313 | 10,530 | 9,608 |
| Fertilizer | 5,998 | 6,579 | 7,178 |
| Pesticides | 1,342 | 1,479 | 1,516 |
| Hired labor | 10,122 | 10,819 | 11,466 |
| Caretaker/overseer's wages | 40 | 43 | 46 |
| Land tax | 84 | 84 | 85 |
| Rentals | 223 | 273 | 257 |
| Fuel and Oil | 295 | 313 | 317 |
| Transport cost of inputs | 177 | 190 | 189 |
| Interest payment on crop loan | 3,285 | 3,614 | 3,975 |
| Irrigation fee | 3 | 4 | 3 |
| Food expense | 1,367 | 1,458 | 1,471 |
| Repairs | 542 | 558 | 581 |
| Sacks and tying materials / needle | 671 | 708 | 723 |
| Other costs | 147 | 155 | 158 |
| NON-CASH COSTS | 2,905 | 3,562 | 3,326 |
| Seeds | 2 | 2 | 2 |
| Hired labor in kind | 42 | 45 | 48 |
| Harvester's share | 1,766 | 2,128 | 2,011 |
| Sheller's share | 14 | 17 | 16 |
| Landowner's share | 1,081 | 1,370 | 1,250 |
| IMPUTED COSTS | 8,861 | 10,775 | 10,676 |
| Seeds | 5 | 6 | 5 |
| Operator labor | 890 | 951 | 1,008 |
| Family labor | 594 | 634 | 672 |
| Exchange labor | 68 | 73 | 77 |
| Depreciation | 663 | 729 | 802 |
| Interest on operating capital | 1,453 | 1,808 | 2,113 |
| Rental value of owned land | 5,189 | 6,573 | 5,997 |
| TOTAL COSTS | 44,374 | 51,144 | 51,575 |
| GROSS RETURNS | 49,954 | 60,201 | 56,885 |
| RETURNS ABOVE CASH COSTS | 17,346 | 23,394 | 19,312 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 14,441 | 19,832 | 15,985 |
| NET RETURNS | 5,579 | 9,057 | 5,310 |
| NET PROFIT - COST RATIO | 0.13 | 0.18 | 0.10 |
| <i>Cost per kilogram (PhP)</i> | 10.02 | 12.14 | 11.82 |
| <i>Yield per hectare (kg)</i> | 4,430 | 4,214 | 4,365 |
| <i>Farmgate price (PhP/kg)</i> | 11.28 | 14.28 | 13.03 |

**UPDATED PRODUCTION COSTS AND RETURNS
OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN**

Table 21B. White Corn: Updated Average Costs of Production, Cagayan Valley, 2017 - 2019

| ITEM | 2017 | 2018 | 2019 |
|--|-----------------------------|--------|--------|
| | <i>(in PhP per hectare)</i> | | |
| CASH COSTS | 9,684 | 10,427 | 11,015 |
| Fertilizer | 1,425 | 1,590 | 1,762 |
| Pesticides | 707 | 779 | 799 |
| Hired labor | 5,766 | 6,164 | 6,532 |
| Transport cost of inputs | 42 | 45 | 45 |
| Food expense | 1,086 | 1,158 | 1,168 |
| Repairs | 128 | 132 | 137 |
| Sacks and tying materials / needle | 530 | 559 | 571 |
| NON-CASH COSTS | 1,891 | 1,655 | 1,888 |
| Seeds | 193 | 173 | 197 |
| Harvester's share | 1,697 | 1,482 | 1,692 |
| IMPUTED COSTS | 18,242 | 18,432 | 20,095 |
| Operator labor | 7,719 | 8,251 | 8,745 |
| Family labor | 2,728 | 2,916 | 3,090 |
| Exchange labor | 638 | 682 | 723 |
| Depreciation | 267 | 297 | 329 |
| Interest on operating capital | 445 | 524 | 644 |
| Rental value of owned land | 6,445 | 5,762 | 6,563 |
| TOTAL COSTS | 29,817 | 30,514 | 32,998 |
| GROSS RETURNS | 35,591 | 31,075 | 35,472 |
| RETURNS ABOVE CASH COSTS | 25,907 | 20,648 | 24,457 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 24,016 | 18,993 | 22,569 |
| NET RETURNS | 5,774 | 561 | 2,474 |
| NET PROFIT - COST RATIO | 0.19 | 0.02 | 0.07 |
| <i>Cost per kilogram (PhP)</i> | 10.09 | 10.57 | 11.40 |
| <i>Yield per hectare (kg)</i> | 2,956 | 2,887 | 2,893 |
| <i>Farmgate price (PhP/kg)</i> | 12.04 | 10.77 | 12.26 |

**UPDATED PRODUCTION COSTS AND RETURNS
OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN**

Table 21C. Yellow Corn: Updated Average Costs of Production, Cagayan Valley, 2017 - 2019

| ITEM | 2017 | 2018 | 2019 |
|--|-----------------------------|--------|--------|
| | <i>(in PhP per hectare)</i> | | |
| CASH COSTS | 32,801 | 37,099 | 37,820 |
| Seeds | 8,368 | 10,671 | 9,694 |
| Fertilizer | 6,042 | 6,627 | 7,230 |
| Pesticides | 1,347 | 1,484 | 1,522 |
| Hired labor | 10,162 | 10,862 | 11,512 |
| Caretaker/overseer's wages | 40 | 43 | 46 |
| Land tax | 84 | 84 | 85 |
| Rentals | 225 | 278 | 260 |
| Fuel and Oil | 298 | 316 | 320 |
| Transport cost of inputs | 178 | 191 | 190 |
| Interest payment on crop loan | 3,318 | 3,650 | 4,015 |
| Irrigation fee | 3 | 4 | 3 |
| Sacks and tying materials / needle | 672 | 709 | 724 |
| Food expense | 1,369 | 1,460 | 1,473 |
| Repairs | 546 | 563 | 585 |
| Other costs | 149 | 157 | 160 |
| NON-CASH COSTS | 2,886 | 3,564 | 3,313 |
| Hired labor in kind | 42 | 45 | 48 |
| Harvester's share | 1,741 | 2,113 | 1,987 |
| Sheller's share | 14 | 17 | 16 |
| Landowner's share | 1,089 | 1,389 | 1,262 |
| IMPUTED COSTS | 8,743 | 10,694 | 10,560 |
| Seeds | 5 | 6 | 6 |
| Operator labor | 822 | 878 | 931 |
| Family labor | 564 | 603 | 639 |
| Exchange labor | 59 | 63 | 67 |
| Depreciation | 666 | 733 | 806 |
| Interest on operating capital | 1,461 | 1,823 | 2,126 |
| Rental value of owned land | 5,167 | 6,589 | 5,986 |
| TOTAL COSTS | 44,430 | 51,357 | 51,693 |
| GROSS RETURNS | 50,365 | 61,144 | 57,490 |
| RETURNS ABOVE CASH COSTS | 17,564 | 24,045 | 19,670 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 14,678 | 20,481 | 16,357 |
| NET RETURNS | 5,935 | 9,786 | 5,797 |
| NET PROFIT - COST RATIO | 0.13 | 0.19 | 0.11 |
| <i>Cost per kilogram (PhP)</i> | 9.94 | 12.06 | 11.73 |
| <i>Yield per hectare (kg)</i> | 4,472 | 4,257 | 4,406 |
| <i>Farmgate price (PhP/kg)</i> | 11.26 | 14.36 | 13.05 |

**UPDATED PRODUCTION COSTS AND RETURNS
OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN**

Table 22. Yellow Corn: Updated Average Costs of Production, Central Luzon, 2017 - 2019

| ITEM | 2017 | 2018 | 2019 |
|--|-----------------------------|--------|--------|
| | <i>(in PhP per hectare)</i> | | |
| CASH COSTS | 36,872 | 40,356 | 41,266 |
| Seeds | 5,117 | 6,665 | 6,017 |
| Fertilizer | 6,685 | 7,042 | 7,491 |
| Pesticides | 190 | 187 | 198 |
| Hired labor | 13,709 | 14,614 | 15,524 |
| Land tax | 114 | 115 | 117 |
| Rentals | 1,462 | 1,867 | 1,713 |
| Fuel and Oil | 3,345 | 3,338 | 3,403 |
| Transport cost of inputs | 185 | 195 | 198 |
| Interest payment on crop loan | 1,365 | 1,501 | 1,652 |
| Irrigation fee | 102 | 133 | 120 |
| Sacks and tying materials / needle | 309 | 319 | 329 |
| Electricity cost | 353 | 352 | 359 |
| Food expense | 1,165 | 1,227 | 1,258 |
| Repairs | 2,770 | 2,800 | 2,888 |
| NON-CASH COSTS | 405 | 501 | 470 |
| Seeds | 49 | 64 | 58 |
| Fertilizer | 107 | 112 | 119 |
| Landowner's share | 249 | 325 | 293 |
| IMPUTED COSTS | 13,262 | 14,664 | 15,603 |
| Seeds | 608 | 793 | 715 |
| Fertilizer | 912 | 961 | 1,022 |
| Pesticides | 16 | 16 | 17 |
| Operator labor | 5,798 | 6,181 | 6,566 |
| Family labor | 2,295 | 2,447 | 2,599 |
| Exchange labor | 153 | 163 | 174 |
| Depreciation | 1,447 | 1,592 | 1,751 |
| Interest on operating capital | 1,447 | 1,750 | 2,072 |
| Rental value of owned land | 585 | 762 | 688 |
| TOTAL COSTS | 50,540 | 55,521 | 57,339 |
| GROSS RETURNS | 61,221 | 80,510 | 73,843 |
| RETURNS ABOVE CASH COSTS | 24,348 | 40,154 | 32,577 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 23,943 | 39,653 | 32,107 |
| NET RETURNS | 10,681 | 24,989 | 16,504 |
| NET PROFIT - COST RATIO | 0.21 | 0.45 | 0.29 |
| <i>Cost per kilogram (PhP)</i> | 7.80 | 8.49 | 8.63 |
| <i>Yield per hectare (kg)</i> | 6,479 | 6,542 | 6,647 |
| <i>Farmgate price (PhP/kg)</i> | 9.45 | 12.31 | 11.11 |

**UPDATED PRODUCTION COSTS AND RETURNS
OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN**

Table 23. White Corn: Updated Average Costs of Production, CALABARZON, 2017 - 2019

| ITEM | 2017 | 2018 | 2019 |
|--|-----------------------------|--------|--------|
| | <i>(in PhP per hectare)</i> | | |
| CASH COSTS | 1,915 | 2,067 | 2,218 |
| Seeds | 47 | 50 | 49 |
| Fertilizer | 6 | 7 | 8 |
| Hired labor | 1,283 | 1,405 | 1,533 |
| Land tax | 44 | 44 | 45 |
| Rentals | 80 | 88 | 96 |
| Sacks and tying materials / needle | 83 | 87 | 89 |
| Food expense | 155 | 163 | 167 |
| Repairs | 217 | 223 | 232 |
| NON-CASH COSTS | 1,390 | 1,480 | 1,468 |
| Seeds | 472 | 502 | 493 |
| Harvester's share | 431 | 456 | 445 |
| Landowner's share | 346 | 368 | 361 |
| Rentals | 141 | 154 | 168 |
| IMPUTED COSTS | 4,191 | 4,593 | 5,008 |
| Seeds | 35 | 37 | 36 |
| Operator labor | 1,981 | 2,169 | 2,367 |
| Family labor | 1,866 | 2,043 | 2,229 |
| Depreciation | 116 | 128 | 141 |
| Interest on operating capital | 75 | 90 | 113 |
| Rental value of owned land | 118 | 126 | 123 |
| TOTAL COSTS | 7,496 | 8,140 | 8,693 |
| GROSS RETURNS | 22,453 | 23,798 | 23,227 |
| RETURNS ABOVE CASH COSTS | 20,538 | 21,731 | 21,009 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 19,148 | 20,251 | 19,542 |
| NET RETURNS | 14,957 | 15,658 | 14,534 |
| NET PROFIT - COST RATIO | 2.00 | 1.92 | 1.67 |
| <i>Cost per kilogram (PhP)</i> | 4.41 | 4.80 | 5.16 |
| <i>Yield per hectare (kg)</i> | 1,701 | 1,696 | 1,686 |
| <i>Farmgate price (PhP/kg)</i> | 13.20 | 14.03 | 13.77 |

**UPDATED PRODUCTION COSTS AND RETURNS
OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN**

Table 24A. All Corn: Updated Average Costs of Production, MIMAROPA Region, 2017 - 2019

| ITEM | 2017 | 2018 | 2019 |
|--|-----------------------------|--------|--------|
| | <i>(in PhP per hectare)</i> | | |
| CASH COSTS | 8,991 | 9,460 | 9,865 |
| Seeds | 220 | 257 | 264 |
| Fertilizer | 2,011 | 2,140 | 2,268 |
| Pesticides | 105 | 103 | 121 |
| Hired labor | 4,131 | 4,351 | 4,535 |
| Caretaker/overseer's wages | 118 | 124 | 130 |
| Land tax | 109 | 110 | 111 |
| Rentals | 166 | 175 | 182 |
| Transport cost of inputs | 25 | 26 | 27 |
| Sacks and tying materials / needle | 190 | 199 | 207 |
| Food expense | 530 | 568 | 576 |
| Repairs | 1,385 | 1,406 | 1,443 |
| NON-CASH COSTS | 2,152 | 2,575 | 2,349 |
| Seeds | 112 | 130 | 134 |
| Harvester's share | 1,169 | 1,400 | 1,269 |
| Sheller's share | 872 | 1,045 | 947 |
| IMPUTED COSTS | 6,035 | 6,692 | 7,052 |
| Seeds | 257 | 301 | 308 |
| Operator labor | 1,378 | 1,451 | 1,513 |
| Family labor | 1,049 | 1,104 | 1,151 |
| Depreciation | 865 | 952 | 1,047 |
| Interest on operating capital | 371 | 428 | 519 |
| Rental value of owned land | 2,007 | 2,346 | 2,404 |
| Land Tax | 108 | 109 | 110 |
| TOTAL COSTS | 17,177 | 18,727 | 19,266 |
| GROSS RETURNS | 49,120 | 58,855 | 53,341 |
| RETURNS ABOVE CASH COSTS | 40,129 | 49,396 | 43,477 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 37,978 | 46,821 | 41,127 |
| NET RETURNS | 31,943 | 40,129 | 34,075 |
| NET PROFIT - COST RATIO | 1.86 | 2.14 | 1.77 |
| <i>Cost per kilogram (PhP)</i> | 4.26 | 4.54 | 5.27 |
| <i>Yield per hectare (kg)</i> | 4,029 | 4,129 | 3,653 |
| <i>Farmgate price (PhP/kg)</i> | 12.19 | 14.25 | 14.60 |

**UPDATED PRODUCTION COSTS AND RETURNS
OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN**

Table 24B. White Corn: Updated Average Costs of Production, MIMAROPA Region, 2017 - 2019

| ITEM | 2017 | 2018 | 2019 |
|--|-----------------------------|--------|--------|
| | <i>(in PhP per hectare)</i> | | |
| CASH COSTS | 12,321 | 12,704 | 13,215 |
| Fertilizer | 2,332 | 2,396 | 2,492 |
| Pesticides | 526 | 514 | 606 |
| Hired labor | 3,330 | 3,507 | 3,656 |
| Caretaker/overseer's wages | 592 | 623 | 650 |
| Sacks and tying materials / needle | 305 | 321 | 333 |
| Food expense | 486 | 521 | 528 |
| Repairs | 4,751 | 4,823 | 4,951 |
| NON-CASH COSTS | 4,312 | 4,727 | 4,158 |
| Seeds | 67 | 75 | 67 |
| Harvester's share | 2,123 | 2,326 | 2,045 |
| Sheller's share | 2,123 | 2,326 | 2,045 |
| IMPUTED COSTS | 5,641 | 6,245 | 6,131 |
| Seeds | 1,114 | 1,261 | 1,125 |
| Operator labor | 920 | 969 | 1,010 |
| Family labor | 541 | 570 | 594 |
| Depreciation | 828 | 910 | 1,001 |
| Interest on operating capital | 382 | 432 | 525 |
| Rental value of owned land | 1,856 | 2,101 | 1,875 |
| TOTAL COSTS | 22,274 | 23,676 | 23,503 |
| GROSS RETURNS | 30,646 | 33,581 | 29,529 |
| RETURNS ABOVE CASH COSTS | 18,324 | 20,877 | 16,314 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 14,013 | 16,149 | 12,156 |
| NET RETURNS | 8,372 | 9,905 | 6,025 |
| NET PROFIT - COST RATIO | 0.38 | 0.42 | 0.26 |
| <i>Cost per kilogram (PhP)</i> | 9.31 | 10.23 | 10.30 |
| <i>Yield per hectare (kg)</i> | 2,392 | 2,315 | 2,281 |
| <i>Farmgate price (PhP/kg)</i> | 12.81 | 14.51 | 12.94 |

**UPDATED PRODUCTION COSTS AND RETURNS
OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN**

Table 24C. Yellow Corn: Updated Average Costs of Production, MIMAROPA Region, 2017 - 2019

| ITEM | 2017 | 2018 | 2019 |
|--|-----------------------------|--------|--------|
| | <i>(in PhP per hectare)</i> | | |
| CASH COSTS | 8,186 | 8,668 | 9,048 |
| Seeds | 279 | 329 | 344 |
| Fertilizer | 1,954 | 2,087 | 2,216 |
| Hired labor | 4,331 | 4,562 | 4,755 |
| Land tax | 136 | 137 | 138 |
| Rentals | 209 | 220 | 229 |
| Transport cost of inputs | 30 | 32 | 33 |
| Sacks and tying materials / needle | 161 | 170 | 176 |
| Food expense | 541 | 580 | 588 |
| Repairs | 544 | 552 | 567 |
| NON-CASH COSTS | 1,592 | 1,895 | 1,769 |
| Seeds | 123 | 145 | 152 |
| Harvester's share | 918 | 1,094 | 1,011 |
| Sheller's share | 551 | 656 | 606 |
| IMPUTED COSTS | 6,136 | 6,791 | 7,213 |
| Seeds | 24 | 29 | 30 |
| Operator labor | 1,492 | 1,571 | 1,638 |
| Family labor | 1,202 | 1,266 | 1,319 |
| Depreciation | 875 | 962 | 1,059 |
| Interest on operating capital | 370 | 428 | 518 |
| Rental value of owned land | 2,038 | 2,398 | 2,511 |
| Land Tax | 136 | 137 | 138 |
| TOTAL COSTS | 15,915 | 17,354 | 18,030 |
| GROSS RETURNS | 55,107 | 65,646 | 60,676 |
| RETURNS ABOVE CASH COSTS | 46,921 | 56,978 | 51,628 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 45,329 | 55,083 | 49,859 |
| NET RETURNS | 39,192 | 48,292 | 42,645 |
| NET PROFIT - COST RATIO | 2.46 | 2.78 | 2.37 |
| <i>Cost per kilogram (PhP)</i> | 3.49 | 3.76 | 4.42 |
| <i>Yield per hectare (kg)</i> | 4,559 | 4,616 | 4,075 |
| <i>Farmgate price (PhP/kg)</i> | 12.09 | 14.22 | 14.89 |

**UPDATED PRODUCTION COSTS AND RETURNS
OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN**

Table 25A. All Corn: Updated Average Costs of Production, Bicol Region, 2017 - 2019

| ITEM | 2017 | 2018 | 2019 |
|--|-----------------------------|--------|--------|
| | <i>(in PhP per hectare)</i> | | |
| CASH COSTS | 7,169 | 7,615 | 8,120 |
| Seeds | 552 | 697 | 643 |
| Fertilizer | 1,410 | 1,481 | 1,642 |
| Pesticides | 85 | 87 | 92 |
| Hired labor | 3,787 | 3,922 | 4,273 |
| Land tax | 64 | 65 | 66 |
| Rentals | 293 | 311 | 332 |
| Fuel and Oil | 5 | 5 | 5 |
| Transport cost of inputs | 75 | 79 | 80 |
| Interest payment on crop loan | 35 | 39 | 42 |
| Sacks and tying materials / needle | 181 | 194 | 199 |
| Food expense | 444 | 486 | 487 |
| Repairs | 239 | 250 | 259 |
| NON-CASH COSTS | 675 | 844 | 784 |
| Seeds | 161 | 204 | 188 |
| Harvester's share | 19 | 24 | 21 |
| Landowner's share | 450 | 569 | 524 |
| Caretaker/overseer's wages | 40 | 41 | 45 |
| Rentals | 5 | 6 | 6 |
| IMPUTED COSTS | 7,064 | 7,477 | 8,103 |
| Seeds | 10 | 12 | 11 |
| Fertilizer | 23 | 24 | 27 |
| Operator labor | 2,365 | 2,449 | 2,668 |
| Family labor | 3,649 | 3,779 | 4,117 |
| Exchange labor | 44 | 46 | 50 |
| Depreciation | 174 | 192 | 211 |
| Interest on operating capital | 328 | 380 | 471 |
| Rental value of owned land | 470 | 594 | 548 |
| TOTAL COSTS | 14,908 | 15,936 | 17,007 |
| GROSS RETURNS | 29,255 | 36,909 | 32,166 |
| RETURNS ABOVE CASH COSTS | 22,085 | 29,294 | 24,046 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 21,410 | 28,450 | 23,262 |
| NET RETURNS | 14,347 | 20,973 | 15,159 |
| NET PROFIT - COST RATIO | 0.96 | 1.32 | 0.89 |
| <i>Cost per kilogram (PhP)</i> | 5.95 | 6.37 | 7.20 |
| <i>Yield per hectare (kg)</i> | 2,504 | 2,500 | 2,363 |
| <i>Farmgate price (PhP/kg)</i> | 11.68 | 14.76 | 13.61 |

**UPDATED PRODUCTION COSTS AND RETURNS
OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN**

Table 25B. White Corn: Updated Average Costs of Production, Bicol Region, 2017 - 2019

| ITEM | 2017 | 2018 | 2019 |
|--|-----------------------------|--------|--------|
| | <i>(in PhP per hectare)</i> | | |
| CASH COSTS | 3,836 | 4,046 | 4,285 |
| Seeds | 261 | 317 | 255 |
| Fertilizer | 547 | 578 | 643 |
| Hired labor | 2,025 | 2,097 | 2,284 |
| Land tax | 78 | 78 | 79 |
| Rentals | 408 | 425 | 459 |
| Fuel and Oil | 9 | 9 | 10 |
| Transport cost of inputs | 22 | 23 | 24 |
| Sacks and tying materials / needle | 161 | 172 | 177 |
| Food expense | 93 | 101 | 102 |
| Repairs | 234 | 245 | 253 |
| NON-CASH COSTS | 751 | 903 | 746 |
| Seeds | 225 | 273 | 219 |
| Harvester's share | 16 | 19 | 17 |
| Landowner's share | 438 | 533 | 428 |
| Caretaker/overseer's wages | 66 | 69 | 75 |
| Rentals | 7 | 8 | 6 |
| IMPUTED COSTS | 7,468 | 7,878 | 8,387 |
| Seeds | 2 | 2 | 2 |
| Operator labor | 2,749 | 2,847 | 3,102 |
| Family labor | 3,772 | 3,907 | 4,256 |
| Exchange labor | 8 | 8 | 9 |
| Depreciation | 144 | 158 | 174 |
| Interest on operating capital | 159 | 184 | 225 |
| Rental value of owned land | 634 | 772 | 620 |
| TOTAL COSTS | 12,055 | 12,827 | 13,418 |
| GROSS RETURNS | 14,772 | 18,399 | 16,039 |
| RETURNS ABOVE CASH COSTS | 10,936 | 14,352 | 11,754 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 10,185 | 13,449 | 11,008 |
| NET RETURNS | 2,717 | 5,572 | 2,621 |
| NET PROFIT - COST RATIO | 0.23 | 0.43 | 0.20 |
| <i>Cost per kilogram (PhP)</i> | 10.34 | 10.75 | 10.36 |
| <i>Yield per hectare (kg)</i> | 1,166 | 1,193 | 1,295 |
| <i>Farmgate price (PhP/kg)</i> | 12.67 | 15.42 | 12.38 |

**UPDATED PRODUCTION COSTS AND RETURNS
OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN**

Table 25C. Yellow Corn: Updated Average Costs of Production, Bicol Region, 2017 - 2019

| ITEM | 2017 | 2018 | 2019 |
|--|-----------------------------|--------|--------|
| | <i>(in PhP per hectare)</i> | | |
| CASH COSTS | 12,559 | 13,369 | 14,306 |
| Seeds | 983 | 1,256 | 1,210 |
| Fertilizer | 2,725 | 2,856 | 3,166 |
| Pesticides | 220 | 226 | 239 |
| Hired labor | 6,796 | 7,039 | 7,668 |
| Land tax | 41 | 41 | 42 |
| Rentals | 116 | 137 | 138 |
| Transport cost of inputs | 156 | 163 | 166 |
| Interest payment on crop loan | 87 | 96 | 105 |
| Sacks and tying materials / needle | 211 | 225 | 232 |
| Food expense | 980 | 1,072 | 1,075 |
| Repairs | 245 | 257 | 266 |
| NON-CASH COSTS | 244 | 311 | 295 |
| Seeds | 58 | 75 | 72 |
| Harvester's share | 28 | 35 | 30 |
| Landowner's share | 157 | 201 | 194 |
| IMPUTED COSTS | 6,469 | 6,855 | 7,556 |
| Seeds | 24 | 30 | 29 |
| Fertilizer | 77 | 93 | 114 |
| Operator labor | 1,781 | 1,845 | 2,010 |
| Family labor | 3,458 | 3,581 | 3,901 |
| Exchange labor | 105 | 108 | 118 |
| Depreciation | 218 | 240 | 264 |
| Interest on operating capital | 604 | 698 | 870 |
| Rental value of owned land | 203 | 259 | 250 |
| TOTAL COSTS | 19,272 | 20,535 | 22,157 |
| GROSS RETURNS | 42,954 | 54,484 | 45,748 |
| RETURNS ABOVE CASH COSTS | 30,394 | 41,115 | 31,442 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 30,150 | 40,804 | 31,147 |
| NET RETURNS | 23,682 | 33,949 | 23,591 |
| NET PROFIT - COST RATIO | 1.23 | 1.65 | 1.06 |
| <i>Cost per kilogram (PhP)</i> | 5.11 | 5.49 | 6.79 |
| <i>Yield per hectare (kg)</i> | 3,770 | 3,740 | 3,262 |
| <i>Farmgate price (PhP/kg)</i> | 11.39 | 14.57 | 14.03 |

**UPDATED PRODUCTION COSTS AND RETURNS
OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN**

Table 26A. All Corn: Updated Average Costs of Production, Western Visayas, 2017 - 2019

| ITEM | 2017 | 2018 | 2019 |
|--|-----------------------------|--------|--------|
| | <i>(in PhP per hectare)</i> | | |
| CASH COSTS | 9,473 | 10,348 | 10,600 |
| Seeds | 878 | 1,199 | 1,081 |
| Fertilizer | 1,963 | 2,156 | 2,320 |
| Pesticides | 666 | 712 | 750 |
| Hired labor | 4,062 | 4,243 | 4,393 |
| Land tax | 145 | 146 | 148 |
| Rentals | 126 | 172 | 156 |
| Fuel and Oil | 108 | 117 | 120 |
| Transport cost of inputs | 405 | 425 | 427 |
| Interest payment on crop loan | 1 | 1 | 1 |
| Sacks and tying materials / needle | 330 | 350 | 358 |
| Food expense | 330 | 358 | 365 |
| Repairs | 426 | 434 | 445 |
| Other costs | 33 | 35 | 36 |
| NON-CASH COSTS | 8,520 | 10,986 | 10,471 |
| Seeds | 1,659 | 2,266 | 2,044 |
| Fertilizer | 1,862 | 2,045 | 2,200 |
| Pesticides | 479 | 512 | 540 |
| Hired labor in kind | 763 | 797 | 825 |
| Harvester's share | 2,414 | 3,459 | 3,135 |
| Sheller's share | 1,068 | 1,531 | 1,388 |
| Landowner's share | 259 | 354 | 319 |
| Rentals | 16 | 22 | 20 |
| IMPUTED COSTS | 6,610 | 7,194 | 8,894 |
| Seeds | 17 | 23 | 21 |
| Operator labor | 1,491 | 1,558 | 1,613 |
| Family labor | 2,919 | 3,049 | 4,568 |
| Exchange labor | 267 | 279 | 289 |
| Depreciation | 839 | 922 | 1,015 |
| Interest on operating capital | 426 | 510 | 606 |
| Rental value of owned land | 536 | 732 | 660 |
| Land Tax | 32 | 32 | 32 |
| Sacks and tying materials / needle | 83 | 88 | 90 |
| TOTAL COSTS | 24,604 | 28,528 | 29,964 |
| GROSS RETURNS | 30,078 | 43,108 | 39,066 |
| RETURNS ABOVE CASH COSTS | 20,604 | 32,760 | 28,466 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 12,084 | 21,774 | 17,995 |
| NET RETURNS | 5,474 | 14,580 | 9,101 |
| NET PROFIT - COST RATIO | 0.22 | 0.51 | 0.30 |
| <i>Cost per kilogram (PhP)</i> | 8.97 | 9.91 | 10.36 |
| <i>Yield per hectare (kg)</i> | 2,743 | 2,878 | 2,891 |
| <i>Farmgate price (PhP/kg)</i> | 10.97 | 14.98 | 13.51 |

**UPDATED PRODUCTION COSTS AND RETURNS
OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN**

Table 26B. White Corn: Updated Average Costs of Production, Western Visayas, 2017 - 2019

| ITEM | 2017 | 2018 | 2019 |
|--|-----------------------------|--------|--------|
| | <i>(in PhP per hectare)</i> | | |
| CASH COSTS | 6,816 | 7,247 | 7,563 |
| Seeds | 31 | 48 | 37 |
| Fertilizer | 1,439 | 1,610 | 1,750 |
| Pesticides | 6 | 6 | 7 |
| Hired labor | 4,624 | 4,830 | 5,001 |
| Land tax | 49 | 49 | 50 |
| Fuel and Oil | 8 | 9 | 9 |
| Transport cost of inputs | 71 | 75 | 75 |
| Interest payment on crop loan | 1 | 1 | 1 |
| Sacks and tying materials / needle | 108 | 114 | 117 |
| Food expense | 232 | 251 | 256 |
| Repairs | 248 | 253 | 259 |
| NON-CASH COSTS | 1,144 | 1,659 | 1,368 |
| Seeds | 137 | 214 | 164 |
| Hired labor in kind | 279 | 291 | 301 |
| Harvester's share | 627 | 996 | 781 |
| Landowner's share | 101 | 158 | 122 |
| IMPUTED COSTS | 5,414 | 5,962 | 6,064 |
| Seeds | 9 | 14 | 10 |
| Operator labor | 2,015 | 2,105 | 2,180 |
| Family labor | 2,079 | 2,171 | 2,248 |
| Depreciation | 355 | 390 | 429 |
| Interest on operating capital | 343 | 399 | 482 |
| Rental value of owned land | 474 | 739 | 568 |
| Land Tax | 62 | 63 | 63 |
| Sacks and tying materials / needle | 77 | 82 | 84 |
| TOTAL COSTS | 13,374 | 14,868 | 14,995 |
| GROSS RETURNS | 19,584 | 31,102 | 24,394 |
| RETURNS ABOVE CASH COSTS | 12,768 | 23,854 | 16,832 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 11,624 | 22,196 | 15,463 |
| NET RETURNS | 6,210 | 16,234 | 9,399 |
| NET PROFIT - COST RATIO | 0.46 | 1.09 | 0.63 |
| <i>Cost per kilogram (PhP)</i> | 7.57 | 8.25 | 8.16 |
| <i>Yield per hectare (kg)</i> | 1,768 | 1,802 | 1,837 |
| <i>Farmgate price (PhP/kg)</i> | 11.08 | 17.26 | 13.28 |

**UPDATED PRODUCTION COSTS AND RETURNS
OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN**

Table 26C. Yellow Corn: Updated Average Costs of Production, Western Visayas, 2017 - 2019

| ITEM | 2017 | 2018 | 2019 |
|--|-----------------------------|--------|--------|
| | <i>(in PhP per hectare)</i> | | |
| CASH COSTS | 13,261 | 14,539 | 14,918 |
| Seeds | 1,907 | 2,459 | 2,375 |
| Fertilizer | 2,482 | 2,712 | 2,911 |
| Pesticides | 709 | 757 | 798 |
| Hired labor | 4,902 | 5,120 | 5,301 |
| Land tax | 255 | 258 | 260 |
| Rentals | 278 | 358 | 346 |
| Fuel and Oil | 222 | 239 | 246 |
| Transport cost of inputs | 783 | 822 | 826 |
| Sacks and tying materials / needle | 583 | 617 | 632 |
| Food expense | 443 | 480 | 490 |
| Repairs | 627 | 640 | 655 |
| Other costs | 71 | 75 | 77 |
| NON-CASH COSTS | 17,526 | 21,744 | 21,517 |
| Seeds | 3,500 | 4,513 | 4,359 |
| Fertilizer | 4,065 | 4,442 | 4,768 |
| Pesticides | 1,026 | 1,097 | 1,156 |
| Hired labor in kind | 1,374 | 1,435 | 1,486 |
| Harvester's share | 4,681 | 6,371 | 6,049 |
| Sheller's share | 2,406 | 3,274 | 3,109 |
| Landowner's share | 440 | 567 | 548 |
| Rentals | 35 | 44 | 43 |
| IMPUTED COSTS | 8,395 | 9,081 | 9,552 |
| Seeds | 25 | 32 | 31 |
| Operator labor | 1,043 | 1,090 | 1,128 |
| Family labor | 4,150 | 4,336 | 4,489 |
| Exchange labor | 571 | 596 | 617 |
| Depreciation | 1,393 | 1,532 | 1,685 |
| Interest on operating capital | 563 | 678 | 807 |
| Rental value of owned land | 561 | 723 | 699 |
| Sacks and tying materials / needle | 88 | 94 | 96 |
| TOTAL COSTS | 39,182 | 45,364 | 45,987 |
| GROSS RETURNS | 38,914 | 52,964 | 50,288 |
| RETURNS ABOVE CASH COSTS | 25,653 | 38,425 | 35,371 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 8,127 | 16,681 | 13,854 |
| NET RETURNS | -268 | 7,600 | 4,301 |
| NET PROFIT - COST RATIO | -0.01 | 0.17 | 0.09 |
| <i>Cost per kilogram (PhP)</i> | 10.99 | 12.06 | 12.44 |
| <i>Yield per hectare (kg)</i> | 3,564 | 3,762 | 3,698 |
| <i>Farmgate price (PhP/kg)</i> | 10.92 | 14.08 | 13.60 |

**UPDATED PRODUCTION COSTS AND RETURNS
OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN**

Table 27. White Corn: Updated Average Costs of Production, Central Visayas, 2017 - 2019

| ITEM | 2017 | 2018 | 2019 |
|--|-----------------------------|--------|--------|
| | <i>(in PhP per hectare)</i> | | |
| CASH COSTS | 4,935 | 5,287 | 5,444 |
| Seeds | 12 | 14 | 12 |
| Fertilizer | 1,491 | 1,549 | 1,612 |
| Pesticides | 48 | 49 | 54 |
| Hired labor | 2,140 | 2,342 | 2,437 |
| Land tax | 79 | 79 | 80 |
| Rentals | 231 | 267 | 241 |
| Transport cost of inputs | 59 | 63 | 63 |
| Interest payment on crop loan | 42 | 47 | 51 |
| Sacks and tying materials / needle | 44 | 46 | 47 |
| Food expense | 478 | 511 | 519 |
| Repairs | 305 | 314 | 322 |
| Other costs | 5 | 6 | 6 |
| NON-CASH COSTS | 2,604 | 3,019 | 2,504 |
| Seeds | 216 | 258 | 209 |
| Fertilizer | 31 | 32 | 33 |
| Hired labor in kind | 391 | 428 | 445 |
| Harvester's share | 1,037 | 1,194 | 915 |
| Sheller's share | 74 | 85 | 65 |
| Landowner's share | 782 | 937 | 757 |
| Rentals | 74 | 84 | 80 |
| IMPUTED COSTS | 6,259 | 6,895 | 7,150 |
| Seeds | 28 | 33 | 27 |
| Fertilizer | 8 | 8 | 9 |
| Operator labor | 2,783 | 3,046 | 3,169 |
| Family labor | 2,481 | 2,716 | 2,825 |
| Exchange labor | 123 | 134 | 140 |
| Depreciation | 323 | 355 | 391 |
| Interest on operating capital | 208 | 243 | 292 |
| Rental value of owned land | 270 | 324 | 262 |
| Land Tax | 29 | 29 | 29 |
| Sacks and tying materials / needle | 6 | 7 | 7 |
| TOTAL COSTS | 13,798 | 15,201 | 15,098 |
| GROSS RETURNS | 12,419 | 14,304 | 10,959 |
| RETURNS ABOVE CASH COSTS | 7,484 | 9,017 | 5,515 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 4,880 | 5,998 | 3,011 |
| NET RETURNS | -1,379 | -897 | -4,139 |
| NET PROFIT - COST RATIO | -0.10 | -0.06 | -0.27 |
| <i>Cost per kilogram (PhP)</i> | 15.67 | 17.98 | 18.82 |
| <i>Yield per hectare (kg)</i> | 880 | 846 | 802 |
| <i>Farmgate price (PhP/kg)</i> | 14.11 | 16.92 | 13.66 |

**UPDATED PRODUCTION COSTS AND RETURNS
OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN**

Table 28. White Corn: Updated Average Costs of Production, Eastern Visayas, 2017 - 2019

| ITEM | 2017 | 2018 | 2019 |
|---------------------------------------|-----------------------------|--------|--------|
| | <i>(in PhP per hectare)</i> | | |
| CASH COSTS | 2,739 | 2,947 | 2,969 |
| Seeds | 79 | 109 | 83 |
| Fertilizer | 78 | 82 | 84 |
| Hired labor | 2,047 | 2,189 | 2,225 |
| Land tax | 13 | 13 | 14 |
| Transport cost of inputs | 6 | 7 | 7 |
| Sacks and tying materials / needle | 14 | 14 | 15 |
| Food expense | 331 | 355 | 358 |
| Repairs | 171 | 178 | 183 |
| NON-CASH COSTS | 1,546 | 2,051 | 1,666 |
| Seeds | 113 | 155 | 119 |
| Hired labor in kind | 303 | 324 | 329 |
| Harvester's share | 490 | 690 | 540 |
| Landowner's share | 640 | 882 | 678 |
| IMPUTED COSTS | 8,942 | 9,677 | 9,752 |
| Seeds | 45 | 62 | 48 |
| Operator labor | 3,950 | 4,223 | 4,293 |
| Family labor | 4,338 | 4,638 | 4,715 |
| Exchange labor | 13 | 14 | 14 |
| Depreciation | 102 | 112 | 123 |
| Interest on operating capital | 124 | 146 | 170 |
| Rental value of owned land | 297 | 409 | 314 |
| Land Tax | 73 | 74 | 75 |
| TOTAL COSTS | 13,227 | 14,675 | 14,387 |
| GROSS RETURNS | 16,869 | 23,746 | 18,594 |
| RETURNS ABOVE CASH COSTS | 14,130 | 20,799 | 15,625 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 12,584 | 18,748 | 13,959 |
| NET RETURNS | 3,642 | 9,070 | 4,206 |
| NET PROFIT - COST RATIO | 0.28 | 0.62 | 0.29 |
| <i>Cost per kilogram (PhP)</i> | 9.96 | 10.82 | 10.40 |
| <i>Yield per hectare (kg)</i> | 1,328 | 1,357 | 1,383 |
| <i>Farmgate price (PhP/kg)</i> | 12.70 | 17.50 | 13.44 |

**UPDATED PRODUCTION COSTS AND RETURNS
OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN**

Table 29A. All Corn: Updated Average Costs of Production, Zamboanga Peninsula, 2017 - 2019

| ITEM | 2017 | 2018 | 2019 |
|---------------------------------------|-----------------------------|--------------|--------------|
| | <i>(in PhP per hectare)</i> | | |
| CASH COSTS | 6,512 | 6,861 | 7,167 |
| Seeds | 71 | 83 | 69 |
| Fertilizer | 1,647 | 1,762 | 1,884 |
| Pesticides | 844 | 846 | 925 |
| Hired labor | 2,764 | 2,929 | 3,028 |
| Land tax | 175 | 177 | 179 |
| Rentals | 36 | 38 | 39 |
| Transport cost of inputs | 174 | 183 | 183 |
| Interest payment on crop loan | 38 | 41 | 45 |
| Sacks and tying materials / needle | 40 | 42 | 43 |
| Food expense | 221 | 238 | 241 |
| Repairs | 503 | 521 | 531 |
| NON-CASH COSTS | 1,417 | 1,740 | 1,347 |
| Seeds | 153 | 181 | 149 |
| Hired labor in kind | 60 | 64 | 66 |
| Harvester's share | 697 | 899 | 639 |
| Landowner's share | 472 | 556 | 460 |
| Rentals | 34 | 41 | 34 |
| IMPUTED COSTS | 7,063 | 7,664 | 7,690 |
| Seeds | 36 | 43 | 35 |
| Operator labor | 3,294 | 3,491 | 3,609 |
| Family labor | 2,087 | 2,211 | 2,286 |
| Exchange labor | 23 | 24 | 25 |
| Depreciation | 111 | 122 | 135 |
| Interest on operating capital | 300 | 345 | 419 |
| Rental value of owned land | 1,205 | 1,420 | 1,174 |
| Land Tax | 7 | 7 | 7 |
| TOTAL COSTS | 14,992 | 16,264 | 16,204 |
| GROSS RETURNS | 20,537 | 26,483 | 18,821 |
| RETURNS ABOVE CASH COSTS | 14,026 | 19,622 | 11,654 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 12,609 | 17,883 | 10,307 |
| NET RETURNS | 5,546 | 10,219 | 2,617 |
| NET PROFIT - COST RATIO | 0.37 | 0.63 | 0.16 |
| <i>Cost per kilogram (PhP)</i> | <i>9.02</i> | <i>8.94</i> | <i>10.36</i> |
| <i>Yield per hectare (kg)</i> | <i>1,662</i> | <i>1,819</i> | <i>1,564</i> |
| <i>Farmgate price (PhP/kg)</i> | <i>12.36</i> | <i>14.56</i> | <i>12.04</i> |

**UPDATED PRODUCTION COSTS AND RETURNS
OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN**

Table 29B. White Corn: Updated Average Costs of Production, Zamboanga Peninsula, 2017 - 2019

| ITEM | 2017 | 2018 | 2019 |
|--|-----------------------------|--------|--------|
| | <i>(in PhP per hectare)</i> | | |
| CASH COSTS | 4,898 | 5,153 | 5,384 |
| Seeds | 39 | 45 | 38 |
| Fertilizer | 1,490 | 1,586 | 1,687 |
| Pesticides | 609 | 611 | 668 |
| Hired labor | 1,650 | 1,749 | 1,808 |
| Land tax | 170 | 172 | 174 |
| Rentals | 43 | 46 | 47 |
| Fuel and oil | 1 | 1 | 1 |
| Transport cost of inputs | 165 | 173 | 173 |
| Interest payment on crop loan | 44 | 48 | 53 |
| Sacks and tying materials / needle | 34 | 36 | 36 |
| Food expense | 249 | 268 | 271 |
| Repairs | 405 | 419 | 427 |
| NON-CASH COSTS | 1,480 | 1,808 | 1,419 |
| Seeds | 180 | 209 | 178 |
| Hired labor in kind | 70 | 75 | 77 |
| Harvesters' share | 767 | 984 | 704 |
| Landowner's share | 424 | 494 | 420 |
| Rentals | 39 | 46 | 39 |
| IMPUTED COSTS | 7,607 | 8,206 | 8,291 |
| Seeds | 21 | 24 | 21 |
| Operator labor | 3,724 | 3,947 | 4,080 |
| Family labor | 2,371 | 2,513 | 2,598 |
| Exchange labor | 27 | 29 | 30 |
| Depreciation | 116 | 128 | 141 |
| Interest on operating capital | 213 | 245 | 298 |
| Rental value of owned land | 1,126 | 1,312 | 1,116 |
| Land Tax | 8 | 8 | 8 |
| TOTAL COSTS | 13,985 | 15,167 | 15,093 |
| GROSS RETURNS | 18,679 | 23,971 | 17,154 |
| RETURNS ABOVE CASH COSTS | 13,781 | 18,817 | 11,771 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 12,301 | 17,010 | 10,352 |
| NET RETURNS | 4,694 | 8,803 | 2,061 |
| NET PROFIT - COST RATIO | 0.34 | 0.58 | 0.14 |
| <i>Cost per kilogram (PhP)</i> | 9.46 | 9.31 | 11.01 |
| <i>Yield per hectare (kg)</i> | 1,479 | 1,629 | 1,370 |
| <i>Farmgate price (PhP/kg)</i> | 12.63 | 14.72 | 12.52 |

**UPDATED PRODUCTION COSTS AND RETURNS
OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN**

Table 29C. Yellow Corn: Updated Average Costs of Production, Zamboanga Peninsula, 2017 - 2019

| ITEM | 2017 | 2018 | 2019 |
|---------------------------------------|-----------------------------|--------|--------|
| | <i>(in PhP per hectare)</i> | | |
| CASH COSTS | 15,542 | 16,431 | 17,129 |
| Seeds | 268 | 334 | 245 |
| Fertilizer | 2,523 | 2,743 | 2,981 |
| Pesticides | 2,139 | 2,145 | 2,346 |
| Hired labor | 8,976 | 9,513 | 9,834 |
| Land tax | 208 | 210 | 212 |
| Transport cost of inputs | 224 | 235 | 235 |
| Sacks and tying materials / needle | 80 | 85 | 86 |
| Food expense | 68 | 73 | 74 |
| Repairs | 1,055 | 1,093 | 1,114 |
| NON-CASH COSTS | 971 | 1,209 | 873 |
| Harvester's share | 191 | 236 | 159 |
| Landowner's share | 781 | 973 | 714 |
| IMPUTED COSTS | 4,114 | 4,782 | 4,417 |
| Seeds | 134 | 166 | 122 |
| Operator labor | 902 | 955 | 988 |
| Family labor | 504 | 534 | 552 |
| Depreciation | 81 | 89 | 98 |
| Interest on operating capital | 783 | 905 | 1,092 |
| Rental value of owned land | 1,711 | 2,133 | 1,566 |
| TOTAL COSTS | 20,627 | 22,423 | 22,418 |
| GROSS RETURNS | 42,320 | 52,407 | 35,215 |
| RETURNS ABOVE CASH COSTS | 26,778 | 35,976 | 18,086 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 25,807 | 34,767 | 17,213 |
| NET RETURNS | 21,693 | 29,985 | 12,796 |
| NET PROFIT - COST RATIO | 1.05 | 1.34 | 0.57 |
| <i>Cost per kilogram (PhP)</i> | 5.42 | 5.92 | 6.47 |
| <i>Yield per hectare (kg)</i> | 3,809 | 3,785 | 3,465 |
| <i>Farmgate price (PhP/kg)</i> | 11.11 | 13.85 | 10.16 |

**UPDATED PRODUCTION COSTS AND RETURNS
OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN**

Table 30A. All Corn: Updated Average Costs of Production, Northern Mindanao, 2017 - 2019

| ITEM | 2017 | 2018 | 2019 |
|--|-----------------------------|--------|--------|
| | <i>(in PhP per hectare)</i> | | |
| CASH COSTS | 9,816 | 10,387 | 11,139 |
| Seeds | 551 | 687 | 637 |
| Fertilizer | 3,123 | 3,390 | 3,635 |
| Pesticides | 424 | 430 | 451 |
| Hired labor | 3,572 | 3,610 | 4,063 |
| Land tax | 142 | 143 | 145 |
| Rentals | 660 | 709 | 754 |
| Fuel and oil | 52 | 55 | 58 |
| Transport cost of inputs | 208 | 224 | 225 |
| Interest payment on crop loan | 132 | 145 | 160 |
| Sacks and tying materials / needle | 289 | 304 | 313 |
| Food expense | 295 | 313 | 318 |
| Repairs | 368 | 376 | 382 |
| NON-CASH COSTS | 1,613 | 1,996 | 1,878 |
| Seeds | 132 | 164 | 152 |
| Fertilizer | 6 | 7 | 8 |
| Hired labor in kind | 110 | 112 | 126 |
| Harvesters' share | 766 | 966 | 899 |
| Sheller's share | 127 | 161 | 149 |
| Landowner's share | 471 | 586 | 544 |
| IMPUTED COSTS | 7,767 | 8,143 | 9,015 |
| Seeds | 37 | 46 | 43 |
| Fertilizer | 6 | 6 | 6 |
| Operator labor | 2,646 | 2,674 | 3,009 |
| Family labor | 3,330 | 3,366 | 3,788 |
| Exchange labor | 58 | 58 | 66 |
| Depreciation | 492 | 542 | 596 |
| Interest on operating capital | 432 | 498 | 623 |
| Rental value of owned land | 757 | 943 | 875 |
| Land Tax | 6 | 6 | 6 |
| Sacks and tying materials / needle | 3 | 3 | 3 |
| TOTAL COSTS | 19,196 | 20,526 | 22,031 |
| GROSS RETURNS | 39,203 | 49,434 | 45,998 |
| RETURNS ABOVE CASH COSTS | 29,387 | 39,047 | 34,859 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 27,774 | 37,051 | 32,981 |
| NET RETURNS | 20,007 | 28,908 | 23,966 |
| NET PROFIT - COST RATIO | 1.04 | 1.41 | 1.09 |
| <i>Cost per kilogram (PhP)</i> | 5.58 | 5.90 | 6.31 |
| <i>Yield per hectare (kg)</i> | 3,437 | 3,480 | 3,491 |
| <i>Farmgate price (PhP/kg)</i> | 11.41 | 14.20 | 13.18 |

**UPDATED PRODUCTION COSTS AND RETURNS
OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN**

Table 30B. White Corn: Updated Average Costs of Production, Northern Mindanao, 2017 - 2019

| ITEM | 2017 | 2018 | 2019 |
|--|-----------------------------|--------|--------|
| | <i>(in PhP per hectare)</i> | | |
| CASH COSTS | 7,865 | 8,511 | 8,920 |
| Seeds | 101 | 118 | 109 |
| Fertilizer | 3,176 | 3,712 | 3,694 |
| Pesticides | 208 | 211 | 221 |
| Hired labor | 2,721 | 2,750 | 3,095 |
| Land tax | 142 | 143 | 145 |
| Rentals | 492 | 500 | 559 |
| Transport cost of inputs | 189 | 203 | 204 |
| Interest payment on crop loan | 45 | 49 | 54 |
| Sacks and tying materials / needle | 240 | 253 | 260 |
| Food expense | 174 | 185 | 188 |
| Repairs | 377 | 386 | 391 |
| NON-CASH COSTS | 1,550 | 1,777 | 1,705 |
| Seeds | 136 | 158 | 147 |
| Fertilizer | 6 | 8 | 8 |
| Hired labor in kind | 125 | 126 | 142 |
| Harvesters' share | 639 | 740 | 712 |
| Sheller's share | 158 | 183 | 176 |
| Landowner's share | 484 | 562 | 521 |
| IMPUTED COSTS | 7,524 | 7,741 | 8,658 |
| Seeds | 38 | 44 | 41 |
| Fertilizer | 6 | 6 | 6 |
| Operator labor | 2,848 | 2,878 | 3,239 |
| Family labor | 3,670 | 3,709 | 4,174 |
| Exchange labor | 64 | 65 | 73 |
| Depreciation | 225 | 248 | 272 |
| Interest on operating capital | 349 | 417 | 505 |
| Rental value of owned land | 312 | 362 | 336 |
| Land Tax | 7 | 7 | 7 |
| Sacks and tying materials / needle | 4 | 4 | 5 |
| TOTAL COSTS | 16,938 | 18,028 | 19,283 |
| GROSS RETURNS | 28,181 | 32,623 | 31,368 |
| RETURNS ABOVE CASH COSTS | 20,317 | 24,113 | 22,449 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 18,767 | 22,336 | 20,743 |
| NET RETURNS | 11,243 | 14,595 | 12,085 |
| NET PROFIT - COST RATIO | 0.66 | 0.81 | 0.63 |
| <i>Cost per kilogram (PhP)</i> | 7.20 | 7.67 | 7.92 |
| <i>Yield per hectare (kg)</i> | 2,354 | 2,350 | 2,434 |
| <i>Farmgate price (PhP/kg)</i> | 11.97 | 13.88 | 12.89 |

**UPDATED PRODUCTION COSTS AND RETURNS
OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN**

Table 30C. Yellow Corn: Updated Average Costs of Production, Northern Mindanao, 2017 - 2019

| ITEM | 2017 | 2018 | 2019 |
|--|-----------------------------|--------|--------|
| | <i>(in PhP per hectare)</i> | | |
| CASH COSTS | 25,002 | 27,464 | 28,620 |
| Seeds | 4,086 | 5,305 | 4,924 |
| Fertilizer | 2,715 | 3,121 | 3,180 |
| Pesticides | 2,108 | 2,138 | 2,239 |
| Hired labor | 10,164 | 10,272 | 11,560 |
| Land tax | 140 | 141 | 143 |
| Rentals | 1,986 | 2,430 | 2,358 |
| Fuel and oil | 463 | 490 | 516 |
| Transport cost of inputs | 353 | 380 | 382 |
| Interest payment on crop loan | 808 | 889 | 978 |
| Sacks and tying materials / needle | 658 | 692 | 712 |
| Food expense | 1,222 | 1,297 | 1,317 |
| Repairs | 300 | 307 | 311 |
| NON-CASH COSTS | 2,222 | 2,919 | 2,676 |
| Seeds | 25 | 32 | 30 |
| Harvester's share | 2,124 | 2,793 | 2,559 |
| Landowner's share | 73 | 94 | 88 |
| IMPUTED COSTS | 9,263 | 10,978 | 11,333 |
| Seeds | 9 | 11 | 10 |
| Operator labor | 1,077 | 1,089 | 1,225 |
| Family labor | 406 | 410 | 462 |
| Depreciation | 2,556 | 2,811 | 3,092 |
| Interest on operating capital | 1,074 | 1,279 | 1,552 |
| Rental value of owned land | 4,142 | 5,378 | 4,991 |
| TOTAL COSTS | 36,486 | 41,361 | 42,629 |
| GROSS RETURNS | 51,881 | 68,204 | 62,494 |
| RETURNS ABOVE CASH COSTS | 26,880 | 40,741 | 33,874 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 24,658 | 37,821 | 31,198 |
| NET RETURNS | 15,395 | 26,843 | 19,865 |
| NET PROFIT - COST RATIO | 0.42 | 0.65 | 0.47 |
| <i>Cost per kilogram (PhP)</i> | 7.79 | 8.72 | 9.11 |
| <i>Yield per hectare (kg)</i> | 4,683 | 4,742 | 4,681 |
| <i>Farmgate price (PhP/kg)</i> | 11.08 | 14.38 | 13.35 |

**UPDATED PRODUCTION COSTS AND RETURNS
OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN**

Table 31. White Corn: Updated Average Costs of Production, Davao Region, 2017 - 2019

| ITEM | 2017 | 2018 | 2019 |
|--|-----------------------------|--------|--------|
| | <i>(in PhP per hectare)</i> | | |
| CASH COSTS | 8,947 | 9,691 | 10,516 |
| Seeds | 38 | 42 | 37 |
| Fertilizer | 1,108 | 1,428 | 1,360 |
| Pesticides | 862 | 902 | 922 |
| Hired labor | 5,280 | 5,569 | 6,395 |
| Land tax | 123 | 125 | 126 |
| Rentals | 37 | 39 | 45 |
| Fuel and Oil | 6 | 6 | 6 |
| Transport cost of inputs | 146 | 157 | 158 |
| Interest payment on crop loan | 229 | 252 | 277 |
| Sacks and tying materials / needle | 19 | 20 | 20 |
| Irrigation fee | 20 | 22 | 19 |
| Food expense | 713 | 756 | 761 |
| Repairs | 366 | 373 | 390 |
| NON-CASH COSTS | 901 | 990 | 838 |
| Seeds | 157 | 173 | 151 |
| Fertilizer | 8 | 10 | 9 |
| Pesticides | 15 | 16 | 16 |
| Hired labor in kind | 36 | 38 | 44 |
| Harvester's share | 520 | 571 | 465 |
| Sheller's share | 100 | 110 | 89 |
| Landowner's share | 65 | 72 | 63 |
| IMPUTED COSTS | 8,751 | 9,393 | 10,227 |
| Seeds | 71 | 78 | 68 |
| Fertilizer | 20 | 26 | 25 |
| Pesticides | 15 | 16 | 16 |
| Operator labor | 2,420 | 2,553 | 2,931 |
| Family labor | 3,476 | 3,666 | 4,210 |
| Exchange labor | 166 | 175 | 201 |
| Depreciation | 295 | 325 | 357 |
| Interest on operating capital | 410 | 488 | 618 |
| Rental value of owned land | 1,877 | 2,067 | 1,801 |
| TOTAL COSTS | 18,598 | 20,074 | 21,581 |
| GROSS RETURNS | 17,609 | 19,354 | 15,770 |
| RETURNS ABOVE CASH COSTS | 8,662 | 9,663 | 5,254 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 7,761 | 8,673 | 4,417 |
| NET RETURNS | -989 | -720 | -5,810 |
| NET PROFIT - COST RATIO | -0.05 | -0.04 | -0.27 |
| <i>Cost per kilogram (PhP)</i> | 13.64 | 14.75 | 16.96 |
| <i>Yield per hectare (kg)</i> | 1,363 | 1,361 | 1,272 |
| <i>Farmgate price (PhP/kg)</i> | 12.92 | 14.22 | 12.39 |

**UPDATED PRODUCTION COSTS AND RETURNS
OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN**

Table 32A. All Corn: Updated Average Costs of Production, SOCCSKSARGEN, 2017 - 2019

| ITEM | 2017 | 2018 | 2019 |
|--|-----------------------------|--------|--------|
| | <i>(in PhP per hectare)</i> | | |
| CASH COSTS | 14,678 | 15,601 | 15,792 |
| Seeds | 1,285 | 1,586 | 1,421 |
| Fertilizer | 3,001 | 3,348 | 3,534 |
| Pesticides | 969 | 1,020 | 1,035 |
| Hired labor | 5,867 | 5,958 | 6,010 |
| Caretaker/overseer's wages | 114 | 116 | 125 |
| Land tax | 97 | 98 | 99 |
| Rentals | 336 | 368 | 370 |
| Fuel and Oil | 10 | 10 | 10 |
| Transport cost of inputs | 315 | 333 | 341 |
| Interest payment on crop loan | 202 | 222 | 245 |
| Sacks and tying materials / needle | 155 | 164 | 169 |
| Electricity cost | 51 | 54 | 55 |
| Food expense | 531 | 567 | 569 |
| Repairs | 1,742 | 1,752 | 1,805 |
| Other costs | 4 | 4 | 5 |
| NON-CASH COSTS | 825 | 1,016 | 895 |
| Seeds | 79 | 97 | 87 |
| Fertilizer | 8 | 9 | 9 |
| Harvesters' share | 196 | 241 | 199 |
| Landowner's share | 484 | 598 | 535 |
| Rentals | 58 | 71 | 64 |
| IMPUTED COSTS | 6,987 | 7,803 | 7,921 |
| Seeds | 14 | 17 | 15 |
| Fertilizer | 120 | 134 | 142 |
| Pesticides | 31 | 32 | 33 |
| Operator labor | 1,228 | 1,247 | 1,352 |
| Family labor | 1,886 | 1,915 | 2,075 |
| Exchange labor | 9 | 9 | 10 |
| Depreciation | 466 | 512 | 564 |
| Interest on operating capital | 633 | 738 | 859 |
| Rental value of owned land | 2,542 | 3,138 | 2,811 |
| Land Tax | 46 | 46 | 47 |
| Transport cost of inputs | 4 | 4 | 4 |
| Sacks and tying materials / needle | 8 | 9 | 9 |
| TOTAL COSTS | 22,489 | 24,421 | 24,607 |
| GROSS RETURNS | 35,193 | 43,328 | 35,765 |
| RETURNS ABOVE CASH COSTS | 20,515 | 27,727 | 19,973 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 19,690 | 26,710 | 19,078 |
| NET RETURNS | 12,704 | 18,907 | 11,157 |
| NET PROFIT - COST RATIO | 0.56 | 0.77 | 0.45 |
| <i>Cost per kilogram (PhP)</i> | 7.40 | 8.06 | 8.81 |
| <i>Yield per hectare (kg)</i> | 3,039 | 3,031 | 2,793 |
| <i>Farmgate price (PhP/kg)</i> | 11.58 | 14.29 | 12.81 |

**UPDATED PRODUCTION COSTS AND RETURNS
OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN**

Table 32B. White Corn: Updated Average Costs of Production, SOCCSKSARGEN, 2017 - 2019

| ITEM | 2017 | 2018 | 2019 |
|--|-----------------------------|--------|--------|
| | <i>(in PhP per hectare)</i> | | |
| CASH COSTS | 9,656 | 10,223 | 10,617 |
| Seeds | 182 | 205 | 180 |
| Fertilizer | 2,081 | 2,420 | 2,436 |
| Pesticides | 614 | 646 | 656 |
| Hired labor | 3,994 | 4,056 | 4,395 |
| Land tax | 73 | 74 | 75 |
| Rentals | 487 | 518 | 512 |
| Fuel and Oil | 4 | 5 | 5 |
| Transport cost of inputs | 323 | 342 | 350 |
| Interest payment on crop loan | 93 | 102 | 113 |
| Sacks and tying materials / needle | 85 | 90 | 92 |
| Electricity cost | 72 | 77 | 78 |
| Food expense | 495 | 529 | 531 |
| Repairs | 1,144 | 1,151 | 1,185 |
| Other costs | 8 | 9 | 9 |
| NON-CASH COSTS | 1,072 | 1,212 | 1,038 |
| Seeds | 125 | 142 | 124 |
| Harvesters' share | 257 | 292 | 231 |
| Landowner's share | 690 | 779 | 682 |
| IMPUTED COSTS | 7,220 | 7,690 | 7,827 |
| Seeds | 5 | 6 | 5 |
| Operator labor | 1,565 | 1,589 | 1,722 |
| Family labor | 2,443 | 2,481 | 2,688 |
| Exchange labor | 16 | 17 | 18 |
| Depreciation | 347 | 382 | 420 |
| Interest on operating capital | 387 | 450 | 543 |
| Rental value of owned land | 2,401 | 2,710 | 2,374 |
| Land Tax | 45 | 45 | 46 |
| Transport cost of inputs | 7 | 7 | 8 |
| Sacks and tying materials / needle | 3 | 3 | 3 |
| TOTAL COSTS | 17,948 | 19,125 | 19,482 |
| GROSS RETURNS | 25,694 | 29,203 | 23,179 |
| RETURNS ABOVE CASH COSTS | 16,038 | 18,980 | 12,563 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 14,965 | 17,768 | 11,525 |
| NET RETURNS | 7,746 | 10,078 | 3,698 |
| NET PROFIT - COST RATIO | 0.43 | 0.53 | 0.19 |
| <i>Cost per kilogram (PhP)</i> | 9.22 | 9.76 | 10.97 |
| <i>Yield per hectare (kg)</i> | 1,946 | 1,959 | 1,776 |
| <i>Farmgate price (PhP/kg)</i> | 13.21 | 14.90 | 13.05 |

**UPDATED PRODUCTION COSTS AND RETURNS
OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN**

Table 32C. Yellow Corn: Updated Average Costs of Production, SOCCSKSARGEN, 2017 - 2019

| ITEM | 2017 | 2018 | 2019 |
|--|-----------------------------|--------|--------|
| | <i>(in PhP per hectare)</i> | | |
| CASH COSTS | 21,468 | 23,206 | 23,858 |
| Seeds | 2,754 | 3,477 | 3,131 |
| Fertilizer | 4,191 | 4,869 | 4,950 |
| Pesticides | 1,428 | 1,503 | 1,526 |
| Hired labor | 8,554 | 8,687 | 9,413 |
| Caretaker/overseer's wages | 262 | 266 | 288 |
| Land tax | 128 | 129 | 130 |
| Rentals | 127 | 129 | 140 |
| Fuel and Oil | 15 | 16 | 16 |
| Transport cost of inputs | 305 | 323 | 331 |
| Interest payment on crop loan | 342 | 377 | 414 |
| Sacks and tying materials / needle | 244 | 259 | 267 |
| Electricity cost | 23 | 25 | 25 |
| Food expense | 580 | 619 | 621 |
| Repairs | 2,515 | 2,529 | 2,606 |
| NON-CASH COSTS | 296 | 372 | 330 |
| Seeds | 14 | 17 | 15 |
| Fertilizer | 18 | 21 | 22 |
| Harvesters' share | 89 | 112 | 93 |
| Landowner's share | 42 | 53 | 47 |
| Rentals | 134 | 169 | 152 |
| IMPUTED COSTS | 6,600 | 7,623 | 7,747 |
| Seeds | 27 | 34 | 31 |
| Fertilizer | 276 | 320 | 326 |
| Pesticides | 67 | 70 | 71 |
| Operator labor | 792 | 804 | 871 |
| Family labor | 1,166 | 1,184 | 1,283 |
| Depreciation | 620 | 681 | 750 |
| Interest on operating capital | 968 | 1,154 | 1,368 |
| Rental value of owned land | 2,620 | 3,308 | 2,980 |
| Land Tax | 48 | 48 | 49 |
| Sacks and tying materials / needle | 18 | 19 | 19 |
| TOTAL COSTS | 28,364 | 31,201 | 31,935 |
| GROSS RETURNS | 39,018 | 49,022 | 40,891 |
| RETURNS ABOVE CASH COSTS | 17,549 | 25,816 | 17,034 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 17,253 | 25,445 | 16,704 |
| NET RETURNS | 10,653 | 17,821 | 8,957 |
| NET PROFIT - COST RATIO | 0.38 | 0.57 | 0.28 |
| <i>Cost per kilogram (PhP)</i> | 8.15 | 9.01 | 9.96 |
| <i>Yield per hectare (kg)</i> | 3,480 | 3,463 | 3,207 |
| <i>Farmgate price (PhP/kg)</i> | 11.21 | 14.16 | 12.75 |

**UPDATED PRODUCTION COSTS AND RETURNS
OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN**

Table 33A. All Corn: Updated Average Costs of Production, Caraga, 2017 - 2019

| ITEM | 2017 | 2018 | 2019 |
|--|-----------------------------|--------|--------|
| | <i>(in PhP per hectare)</i> | | |
| CASH COSTS | 11,441 | 12,233 | 12,776 |
| Seeds | 1,116 | 1,307 | 1,224 |
| Fertilizer | 2,242 | 2,560 | 2,745 |
| Pesticides | 636 | 685 | 714 |
| Hired labor | 4,735 | 4,794 | 5,041 |
| Land tax | 35 | 35 | 35 |
| Fuel and Oil | 56 | 56 | 58 |
| Transport cost of inputs | 40 | 43 | 44 |
| Interest payment on crop loan | 1,107 | 1,218 | 1,340 |
| Sacks and tying materials / needle | 83 | 86 | 88 |
| Food expense | 643 | 681 | 683 |
| Repairs | 721 | 738 | 775 |
| Other costs | 29 | 30 | 31 |
| NON-CASH COSTS | 4,727 | 5,675 | 5,267 |
| Seeds | 78 | 92 | 86 |
| Hired labor in kind | 252 | 255 | 268 |
| Harvesters' share | 3,381 | 4,151 | 3,774 |
| Sheller's share | 20 | 24 | 22 |
| Landowner's share | 792 | 928 | 869 |
| Interest payment on crop loan | 204 | 225 | 247 |
| IMPUTED COSTS | 6,467 | 6,843 | 7,213 |
| Seeds | 19 | 22 | 20 |
| Operator labor | 2,243 | 2,271 | 2,388 |
| Family labor | 1,765 | 1,787 | 1,879 |
| Exchange labor | 170 | 172 | 181 |
| Depreciation | 928 | 1,021 | 1,123 |
| Interest on operating capital | 491 | 574 | 689 |
| Rental value of owned land | 850 | 996 | 932 |
| TOTAL COSTS | 22,635 | 24,750 | 25,256 |
| GROSS RETURNS | 38,417 | 47,169 | 42,890 |
| RETURNS ABOVE CASH COSTS | 26,976 | 34,936 | 30,114 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 22,248 | 29,261 | 24,847 |
| NET RETURNS | 15,782 | 22,419 | 17,634 |
| NET PROFIT - COST RATIO | 0.70 | 0.91 | 0.70 |
| <i>Cost per kilogram (PhP)</i> | 6.42 | 6.70 | 7.04 |
| <i>Yield per hectare (kg)</i> | 3,525 | 3,696 | 3,589 |
| <i>Farmgate price (PhP/kg)</i> | 10.90 | 12.76 | 11.95 |

**UPDATED PRODUCTION COSTS AND RETURNS
OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN**

Table 33B. White Corn: Updated Average Costs of Production, Caraga, 2017 - 2019

| ITEM | 2017 | 2018 | 2019 |
|--|-----------------------------|--------|--------|
| | <i>(in PhP per hectare)</i> | | |
| CASH COSTS | 6,548 | 7,121 | 7,318 |
| Seeds | 86 | 101 | 89 |
| Fertilizer | 1,775 | 2,220 | 2,222 |
| Pesticides | 295 | 318 | 331 |
| Hired labor | 3,414 | 3,457 | 3,635 |
| Land tax | 18 | 19 | 19 |
| Transport cost of inputs | 5 | 6 | 6 |
| Sacks and tying materials / needle | 7 | 8 | 8 |
| Food expense | 651 | 690 | 691 |
| Repairs | 256 | 262 | 275 |
| Other costs | 40 | 42 | 43 |
| NON-CASH COSTS | 3,267 | 3,961 | 3,551 |
| Seeds | 102 | 119 | 105 |
| Hired labor in kinds | 350 | 354 | 372 |
| Harvesters' share | 2,499 | 3,117 | 2,746 |
| Sheller's share | 29 | 37 | 32 |
| Landowner's share | 287 | 334 | 296 |
| IMPUTED COSTS | 7,044 | 7,293 | 7,746 |
| Seeds | 25 | 29 | 25 |
| Operator labor | 2,953 | 2,990 | 3,144 |
| Family labor | 2,445 | 2,476 | 2,603 |
| Exchange labor | 236 | 239 | 252 |
| Depreciation | 963 | 1,059 | 1,165 |
| Interest on operating capital | 314 | 374 | 445 |
| Rental value of owned land | 108 | 126 | 111 |
| TOTAL COSTS | 16,859 | 18,375 | 18,615 |
| GROSS RETURNS | 29,174 | 36,385 | 32,053 |
| RETURNS ABOVE CASH COSTS | 22,626 | 29,263 | 24,735 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 19,359 | 25,302 | 21,183 |
| NET RETURNS | 12,315 | 18,009 | 13,437 |
| NET PROFIT - COST RATIO | 0.73 | 0.98 | 0.72 |
| <i>Cost per kilogram (PhP)</i> | 6.84 | 6.97 | 7.09 |
| <i>Yield per hectare (kg)</i> | 2,466 | 2,636 | 2,625 |
| <i>Farmgate price (PhP/kg)</i> | 11.83 | 13.80 | 12.21 |

**UPDATED PRODUCTION COSTS AND RETURNS
OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN**

Table 33C. Yellow Corn: Updated Average Costs of Production, Caraga, 2017 - 2019

| ITEM | 2017 | 2018 | 2019 |
|--|-----------------------------|--------|--------|
| | <i>(in PhP per hectare)</i> | | |
| CASH COSTS | 24,108 | 26,087 | 27,072 |
| Seeds | 3,863 | 4,539 | 4,419 |
| Fertilizer | 3,443 | 4,029 | 4,090 |
| Pesticides | 1,506 | 1,623 | 1,691 |
| Hired labor | 8,129 | 8,230 | 8,654 |
| Land tax | 79 | 79 | 80 |
| Fuel and Oil | 200 | 199 | 209 |
| Transport cost of inputs | 131 | 140 | 142 |
| Interest payment on crop loan | 3,953 | 4,348 | 4,783 |
| Sacks and tying materials / needle | 271 | 283 | 288 |
| Food expense | 619 | 656 | 657 |
| Repairs | 1,914 | 1,960 | 2,059 |
| NON-CASH COSTS | 7,396 | 8,752 | 8,403 |
| Seeds | 17 | 20 | 20 |
| Harvesters' share | 4,493 | 5,395 | 5,034 |
| Landowner's share | 2,154 | 2,531 | 2,464 |
| Interest payment on crop loan | 732 | 805 | 886 |
| IMPUTED COSTS | 5,069 | 5,831 | 6,063 |
| Operator labor | 421 | 426 | 448 |
| Family labor | 23 | 23 | 25 |
| Depreciation | 837 | 921 | 1,013 |
| Interest on operating capital | 954 | 1,131 | 1,336 |
| Rental value of owned land | 2,834 | 3,330 | 3,241 |
| TOTAL COSTS | 36,573 | 40,670 | 41,539 |
| GROSS RETURNS | 50,186 | 60,264 | 56,228 |
| RETURNS ABOVE CASH COSTS | 26,079 | 34,177 | 29,156 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 18,682 | 25,425 | 20,753 |
| NET RETURNS | 13,613 | 19,594 | 14,690 |
| NET PROFIT - COST RATIO | 0.37 | 0.48 | 0.35 |
| <i>Cost per kilogram (PhP)</i> | 7.50 | 8.16 | 8.70 |
| <i>Yield per hectare (kg)</i> | 4,875 | 4,982 | 4,775 |
| <i>Farmgate price (PhP/kg)</i> | 10.30 | 12.10 | 11.78 |

**UPDATED PRODUCTION COSTS AND RETURNS
OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN**

Table 34A. All Corn: Updated Average Costs of Production, BARMM, 2017 - 2019

| ITEM | 2017 | 2018 | 2019 |
|--|-----------------------------|--------|--------|
| | <i>(in PhP per hectare)</i> | | |
| CASH COSTS | 6,593 | 6,961 | 7,234 |
| Seeds | 241 | 281 | 264 |
| Fertilizer | 1,703 | 1,787 | 1,884 |
| Pesticides | 120 | 119 | 118 |
| Hired labor | 2,425 | 2,548 | 2,674 |
| Land tax | 181 | 182 | 184 |
| Rentals | 399 | 419 | 439 |
| Transport cost of inputs | 176 | 185 | 191 |
| Interest payment on crop loan | 97 | 106 | 117 |
| Irrigation fee | 13 | 15 | 14 |
| Sacks and tying materials / needle | 356 | 381 | 391 |
| Food expense | 553 | 600 | 609 |
| Repairs | 330 | 337 | 348 |
| NON-CASH COSTS | 2,899 | 3,485 | 3,711 |
| Seeds | 146 | 171 | 160 |
| Hired labor in kinds | 127 | 133 | 140 |
| Harvester's share | 1,696 | 2,055 | 2,208 |
| Sheller's share | 889 | 1,078 | 1,158 |
| Landowner's share | 41 | 48 | 45 |
| IMPUTED COSTS | 10,981 | 11,673 | 12,209 |
| Seeds | 37 | 43 | 40 |
| Operator labor | 3,627 | 3,811 | 3,999 |
| Family labor | 4,024 | 4,228 | 4,436 |
| Exchange labor | 1,913 | 2,010 | 2,110 |
| Depreciation | 332 | 365 | 401 |
| Interest on operating capital | 253 | 291 | 350 |
| Rental value of owned land | 742 | 867 | 814 |
| Sacks and tying materials / needle | 54 | 57 | 59 |
| TOTAL COSTS | 20,472 | 22,119 | 23,153 |
| GROSS RETURNS | 32,335 | 39,190 | 42,100 |
| RETURNS ABOVE CASH COSTS | 25,742 | 32,229 | 34,866 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 22,843 | 28,744 | 31,156 |
| NET RETURNS | 11,863 | 17,071 | 18,947 |
| NET PROFIT - COST RATIO | 0.58 | 0.77 | 0.82 |
| <i>Cost per kilogram (PhP)</i> | 7.30 | 7.61 | 6.96 |
| <i>Yield per hectare (kg)</i> | 2,805 | 2,907 | 3,329 |
| <i>Farmgate price (PhP/kg)</i> | 11.53 | 13.48 | 12.65 |

**UPDATED PRODUCTION COSTS AND RETURNS
OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN**

Table 34B. White Corn: Updated Average Costs of Production, BARMM, 2017 - 2019

| ITEM | 2017 | 2018 | 2019 |
|--|-----------------------------|--------|--------|
| | <i>(in PhP per hectare)</i> | | |
| CASH COSTS | 5,793 | 6,061 | 6,337 |
| Seeds | 227 | 247 | 232 |
| Fertilizer | 1,501 | 1,537 | 1,659 |
| Pesticides | 121 | 120 | 119 |
| Hired labor | 2,088 | 2,194 | 2,302 |
| Land tax | 166 | 168 | 170 |
| Rentals | 294 | 309 | 324 |
| Transport cost of inputs | 185 | 193 | 200 |
| Interest payment on crop loan | 100 | 110 | 122 |
| Irrigation fee | 13 | 14 | 13 |
| Sacks and tying materials / needle | 310 | 331 | 340 |
| Food expense | 508 | 550 | 559 |
| Repairs | 281 | 287 | 297 |
| NON-CASH COSTS | 2,581 | 3,043 | 3,052 |
| Seeds | 154 | 168 | 158 |
| Hired labor in kind | 100 | 105 | 110 |
| Harvester's share | 1,567 | 1,865 | 1,874 |
| Sheller's share | 760 | 905 | 909 |
| IMPUTED COSTS | 10,534 | 11,127 | 11,662 |
| Seeds | 2 | 2 | 2 |
| Operator labor | 3,762 | 3,953 | 4,148 |
| Family labor | 3,967 | 4,168 | 4,374 |
| Exchange labor | 1,627 | 1,710 | 1,794 |
| Depreciation | 330 | 363 | 400 |
| Interest on operating capital | 222 | 252 | 306 |
| Rental value of owned land | 612 | 666 | 627 |
| Sacks and tying materials / needle | 12 | 12 | 13 |
| TOTAL COSTS | 18,909 | 20,231 | 21,051 |
| GROSS RETURNS | 29,112 | 34,648 | 34,822 |
| RETURNS ABOVE CASH COSTS | 23,319 | 28,587 | 28,485 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 20,738 | 25,545 | 25,433 |
| NET RETURNS | 10,204 | 14,417 | 13,771 |
| NET PROFIT - COST RATIO | 0.54 | 0.71 | 0.65 |
| <i>Cost per kilogram (PhP)</i> | 7.90 | 7.74 | 7.54 |
| <i>Yield per hectare (kg)</i> | 2,392 | 2,614 | 2,793 |
| <i>Farmgate price (PhP/kg)</i> | 12.17 | 13.26 | 12.47 |

**UPDATED PRODUCTION COSTS AND RETURNS
OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN**

Table 34C. Yellow Corn: Updated Average Costs of Production, BARMM, 2017 - 2019

| ITEM | 2017 | 2018 | 2019 |
|--|-----------------------------|--------|--------|
| | <i>(in PhP per hectare)</i> | | |
| CASH COSTS | 13,407 | 14,100 | 14,774 |
| Seeds | 422 | 531 | 495 |
| Fertilizer | 3,408 | 3,490 | 3,782 |
| Pesticides | 98 | 98 | 97 |
| Hired labor | 5,271 | 5,538 | 5,811 |
| Land tax | 304 | 310 | 316 |
| Rentals | 1,278 | 1,342 | 1,408 |
| Transport cost of inputs | 112 | 117 | 121 |
| Interest payment on crop loan | 74 | 81 | 89 |
| Irrigation fee | 12 | 15 | 14 |
| Sacks and tying materials / needle | 739 | 791 | 812 |
| Food expense | 943 | 1,022 | 1,037 |
| Repairs | 748 | 764 | 790 |
| NON-CASH COSTS | 4,144 | 5,046 | 5,495 |
| Seeds | 102 | 128 | 120 |
| Hired labor in kinds | 346 | 364 | 382 |
| Harvester's share | 1,812 | 2,225 | 2,489 |
| Sheller's share | 1,456 | 1,789 | 2,001 |
| Landowner's share | 428 | 540 | 503 |
| IMPUTED COSTS | 15,054 | 16,410 | 16,963 |
| Seeds | 369 | 465 | 433 |
| Operator labor | 2,491 | 2,617 | 2,746 |
| Family labor | 4,496 | 4,724 | 4,957 |
| Exchange labor | 4,324 | 4,543 | 4,767 |
| Depreciation | 342 | 377 | 414 |
| Interest on operating capital | 518 | 593 | 722 |
| Rental value of owned land | 2,110 | 2,658 | 2,479 |
| Sacks and tying materials / needle | 404 | 433 | 444 |
| TOTAL COSTS | 32,606 | 35,555 | 37,231 |
| GROSS RETURNS | 36,840 | 45,247 | 50,615 |
| RETURNS ABOVE CASH COSTS | 23,433 | 31,147 | 35,841 |
| RETURNS ABOVE CASH AND NON-CASH COSTS | 19,288 | 26,102 | 30,346 |
| NET RETURNS | 4,234 | 9,692 | 13,383 |
| NET PROFIT - COST RATIO | 0.13 | 0.27 | 0.36 |
| <i>Cost per kilogram (PhP)</i> | 9.64 | 10.78 | 9.41 |
| <i>Yield per hectare (kg)</i> | 3,383 | 3,297 | 3,955 |
| <i>Farmgate price (PhP/kg)</i> | 10.89 | 13.72 | 12.80 |

**UPDATED PRODUCTION COSTS AND RETURNS
OF SELECTED AGRICULTURAL COMMODITIES, PALAY AND CORN
PHILIPPINE STATISTICS AUTHORITY**

DENNIS S. MAPA, Ph.D.
Undersecretary
National Statistician and Civil Registrar General

SECTORAL STATISTICS OFFICE

MACROECONOMIC ACCOUNTS SERVICE

VIVIAN R. ILARINA
Assistant National Statistician

AGRICULTURAL ACCOUNTS DIVISION

Maria Carol G. Duran
Chief Statistical Specialist

Manuela S. Nalugon
Supervising Statistical Specialist

Delilah G. Bassig
Senior Statistical Specialist

Reynante A. Santos
Senior Statistical Specialist

Nestor Asley S. Navarro
Statistical Specialist II

Joynabel S. Paraguison
Statistical Specialist II

Joseph C. Evangelista
Statistical Specialist II

Ronnie R. Hermoso
Statistical Specialist I

Eden R. Maitem
Statistical Specialist I

John Carlo C. Katibayan
Statistical Specialist I

Angelica L. Feliciano
Statistical Analyst

Arjie C. Casiquin
COSW, Statistical Analyst

For Inquiries:

PHILIPPINE STATISTICS AUTHORITY

PSA Complex, East Avenue, Diliman, Quezon City, Philippines 1101

Tel. No. +63(2) 84626600 loc. 820 • Telefax No. +63(2) 84626600 loc. 839

E-mail address: info@psa.gov.ph • kmcd.staff@psa.gov.ph



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