



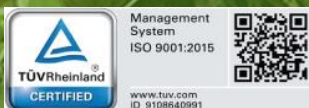
REPUBLIC OF THE PHILIPPINES
PHILIPPINE STATISTICS AUTHORITY



Agriculture and Fisheries Indicators System

2018-2022

Employment and Wages in Agriculture and Fishing



The **Agriculture and Fisheries Indicators System (AFIS)**
is an annual publication prepared by the Agricultural Accounts Division of the
PHILIPPINE STATISTICS AUTHORITY (PSA)

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The **Agriculture and Fisheries Indicators System Report**
is available in electronic format (PDF).

FOREWORD

The Agriculture and Fisheries Indicators System (AFIS) is one of the statistical indicator frameworks maintained by the Philippine Statistics Authority (PSA). It contains nine modules which are updated and released annually. These modular reports provide measures for assessing socio-economic changes in the agriculture and fisheries sector, characterizing the agrarian structure of the economy, and situating agriculture and fisheries in the national economy.

This is the eighth module entitled Employment and Wages in Agriculture and Fishing. It presents statistics relating to the labor market with emphasis on employment in the agriculture and fishing and the extent of participation of males and females in the agricultural labor force. The reference years are 2018 to 2022.

The AFIS aims to cover more agriculture and fisheries development indicators to support the information needs of our data users. We encourage the readers to give their comments and suggestions on the improvement of the AFIS, in general, and this report.



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December 2023

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TECHNICAL NOTES

This module presents statistics relating to the labor market with emphasis on employment in agriculture and fishing and the extent of participation of males and females in the agricultural labor force.

A. Sources of Basic Data

The basic data are sourced from the results of the Labor Force Survey (LFS) and the National Accounts of the Philippines (NAP).

B. Concepts and Definition of Terms

Employed Persons – include all those who, during the reference period are 15 years old and over as of their last birthday and are reported either:

- a. At work. Those who do any work even for one hour during the reference period for pay or profit, or work without pay on the farm or business enterprise operated by a member of the same household related by blood, marriage or adoption; or
- b. With a job but not at work. Those who have a job or business but are not at work because of temporary illness/injury, vacation or other reasons. Likewise, persons who expect to report for work or to start operation of a farm or business enterprise within two weeks from the date of the enumerator's visit are considered employed.

Employment in Agriculture and Fishing – refers to the number of gainfully employed persons in the agriculture and fishing industries.

Growth Rates of Employed Persons (male and female) in Agriculture and Fishing – the year-on-year change measures the pace of growth in the number of employed persons (male and female) in agriculture and fisheries.

Proportion of Employed Persons in Agriculture and Fishing (male and female) – refers to the number of employed persons in agriculture and fishing as a percentage of total employed persons (male and female). It measures the absorption of the available manpower supply in agriculture and fisheries sectors.

Labor Productivity of Agriculture, Forestry, and Fishing - measured as the ratio of Gross Domestic Product (GDP) to total employment (national estimate) or the ratio of Gross Value Added (GVA) to industry employment (industry estimate).

C. Methodology

Growth Rates of Employed Persons (male and female) in Agriculture and Fishing

$$\begin{aligned} \text{Growth Rate of} \\ \text{Employed Persons} \\ \text{(male and female)} \\ \text{in Agriculture and} \\ \text{Fishing} \end{aligned} = \left[\frac{\text{Number of Employed Persons} \\ \text{(male and female)} \\ \text{in Agriculture and Fishing} \\ \text{in the Current Year}}{\text{Number of Employed Persons} \\ \text{(male and female)} \\ \text{in Agriculture and Fishing} \\ \text{in the Previous Year}} - 1 \right] \times 100$$

Proportion of Employed Persons (male and female) in Agriculture and Fishing

$$\begin{aligned} \text{Proportion of} \\ \text{Employed Persons} \\ \text{(male and female)} \\ \text{in Agriculture} \\ \text{and Fishing} \end{aligned} = \left[\frac{\text{Number of Employed Persons} \\ \text{(male and female)} \\ \text{in Agriculture and Fishing}}{\text{Total Number of Employed Persons} \\ \text{(male and female)}} \right] \times 100$$

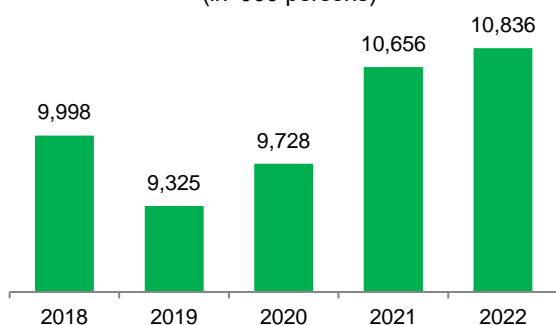
EMPLOYMENT AND WAGES IN AGRICULTURE AND FISHING



Employment in Agriculture and Fishing

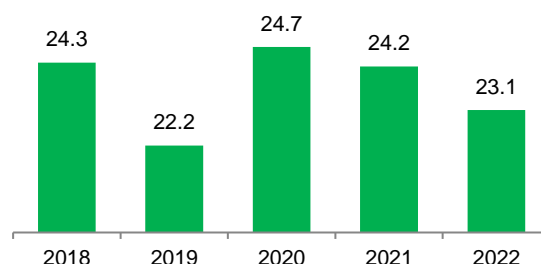
The number of gainfully employed persons in agriculture and fishing measures the extent of absorption of the available manpower supply in agriculture and fishing and its contribution to the total economy. Meanwhile, male and female disaggregation of agricultural workers indicates sex differences in agricultural labor.

Figure 1. Number of Employed Persons in Agriculture and Fishing, Philippines: 2018 to 2022 (in '000 persons)



Source: LFS, Philippine Statistics Authority

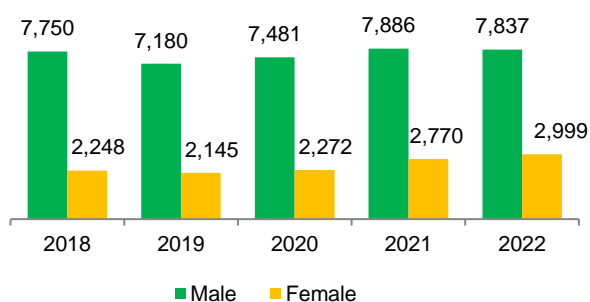
Figure 2. Proportion of Employed Persons in Agriculture and Fishing to Total Employment, Philippines: 2018 to 2022 (in percent)



Source: LFS, Philippine Statistics Authority

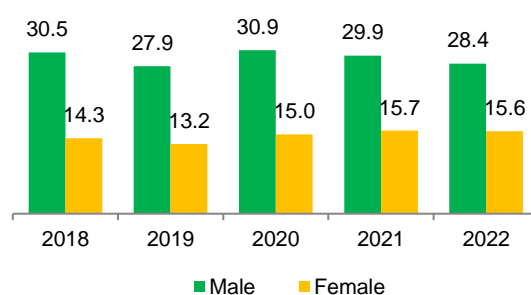
In 2022, the number of employed persons in the agriculture and fishing was recorded at 10.84 million persons. This was 1.7 percent higher from the previous year's count of 10.66 million persons. Correspondingly, the agriculture and fishing sector contributed 23.1 percent to the country's total employment. (Tables 1a and 1b, and Figures 1 and 2)

Figure 3. Number of Employed Persons in Agriculture and Fishing, by Sex, Philippines: 2018 to 2022 (in '000 persons)



Source: LFS, Philippine Statistics Authority

Figure 4. Proportion of Employed Persons in Agriculture and Fishing to Total Employment by Sex, Philippines: 2018 to 2022 (in '000 percent)



Source: LFS, Philippine Statistics Authority

The country's employed persons in agriculture and fishing comprised of 7.84 million males and 2.99 million females in 2022. The number of employed males at 7.84 million decreased by 0.6 percent from last years' figure of 7.89 million. On the other hand, employed females in agriculture and fishing expanded to 2.99 million and registered an 8.2 percent increase from the 2.77 million in 2021.

Male agricultural workers shared 28.4 percent to the total male employment in 2022. This was higher compared with the proportion of females employed in agriculture and fishing,

which was 15.6 percent of the total female employment. (Tables 2a and 2b, and Figures 3 and 4)

Daily Basic Pay of Wage and Salary Agricultural Workers

The value of worker's compensation for their labor is measured through the wages and salary received by the workers.

In 2022, the country's average basic wage and salary paid to agricultural workers increased to PhP 301.14 per day or 5.3 percent higher compared with the PhP 285.92 per day recorded in 2021. Over the period 2018 to 2022, this amount went up annually by an average of 6.1 percent.

In particular, the 2022 salary and wages received by those engaged in fishing and aquaculture activities was recorded at PhP 313.46 per day, while workers involved in agriculture and forestry were paid lower at PhP 300.28 per day.

During the period 2018 to 2022, the salary and wages received by fishing and aquaculture workers exhibited a year-on-year growth of 4.8 percent. Agriculture and forestry workers registered an average annual increment of 6.3 percent during the five-year period. (Tables 3a and 3b)

Labor Productivity of Agriculture, Forestry, and Fishing

Labor productivity of Agriculture, Forestry, and Fishing (AFF) provides information on the amount of agricultural output by each employed person.

In 2022, the labor productivity of AFF, which was estimated at PhP 164,650.52 at constant 2018 prices, declined by 1.2 percent. This was lower by 1.2 percent compared with the previous year's labor productivity of PhP 166,586.44. (Tables 4a and 4b)

STATISTICAL TABLES

Table 1a. Number and Proportion of Employed Persons
in Agriculture and Fishing to Total Employment,
Philippines: 2018 to 2022

Year	Number	Proportion
	(in '000 persons)	(%)
2018	9,998	24.3
2019	9,325	22.2
2020 ^r	9,728	24.7
2021	10,656	24.2
2022 ^p	10,836	23.1

Source of basic data: LFS, Philippine Statistics Authority
p - preliminary
r - revised

Table 1b. Growth Rates of Employed Persons
in Agriculture and Fishing, Philippines: 2018 to 2022

Year	Growth Rate (%)
2018-2019	-6.7
2019-2020	4.3
2020-2021	9.5
2021-2022	1.7

Source of basic data: LFS, Philippine Statistics Authority

EMPLOYMENT AND WAGES IN AGRICULTURE AND FISHING

Table 2a. Number and Proportion of Employed Persons in Agriculture and Fishing to Total Employment by Sex, Philippines: 2018 to 2022

Year	Number (in '000 persons)		Proportion (%)	
	Male	Female	Male	Female
2018	7,750	2,248	30.5	14.3
2019	7,180	2,145	27.9	13.2
2020	7,481	2,272	30.9	15.0
2021	7,886	2,770	29.9	15.7
2022 ^p	7,837	2,999	28.4	15.6

*Source of basic data: LFS, Philippine Statistics Authority
p - preliminary*

Table 2b. Growth Rates of Employed Persons in Agriculture and Fishing by Sex, Philippines: 2018 to 2022

Year	Growth Rate (%)	
	Male	Female
2018-2019	-7.3	-4.6
2019-2020	4.2	5.9
2020-2021	5.4	21.9
2021-2022	-0.6	8.2

Source of basic data: LFS, Philippine Statistics Authority

EMPLOYMENT AND WAGES IN AGRICULTURE AND FISHING

Table 3a. Average Daily Basic Pay of Wage and Salaried Agricultural Workers by Subsector, Philippines: 2018 to 2022
(in PhP)

Subsector	2018^r	2019^r	2020^r	2021^r	2022^p
Agriculture	237.38	260.28	270.25	285.92	301.14
Agriculture and Forestry	235.40	258.13	269.61	281.73	300.28
Fishing and Aquaculture	266.10	287.47	281.01	340.60	313.46

Source of basic data: LFS, Philippine Statistics Authority
p - preliminary data
r - revised

Table 3b. Growth Rates of Average Daily Basic Pay of Wage and Salaried Agricultural Workers by Subsector, Philippines: 2018 to 2022
(in percent)

Subsector	2018-2019	2019-2020	2020-2021	2021-2022	Average 2018-2022
Agriculture	9.6	3.8	5.8	5.3	6.1
Agriculture and Forestry	9.7	4.4	4.5	6.6	6.3
Fishing and Aquaculture	8.0	-2.2	21.2	-8.0	4.8

Source of basic data: LFS, Philippine Statistics Authority

Table 4a. Labor Productivity of Agriculture, Forestry, and Fishing,
Philippines: 2018 to 2022
(At Constant 2018 Prices, in PhP)

Year	Labor Productivity
2018	176,292.56
2019	191,294.20
2020	182,535.21
2021	166,586.44
2022	164,650.52

Source of basic data: NAP, Philippine Statistics Authority

Table 4b. Growth Rates of Labor Productivity of Agriculture, Forestry,
and Fishing, Philippines: 2018 to 2022

Year	Growth Rate (%)
2018-2019	8.5
2019-2020	-4.6
2020-2021	-8.7
2021-2022	-1.2

Source of basic data: NAP, Philippine Statistics Authority

MODULES OF THE AGRICULTURE AND FISHERIES INDICATORS SYSTEM

1. Government Support in Agriculture and Fisheries
2. Economic Growth: Agriculture and Fisheries
3. Output and Productivity
4. Agriculture Resources
5. Exports and Imports: Agriculture and Fisheries
6. Availability and Nutrient Yields of Selected Agriculture and Fishery Commodities
7. Sufficiency of Selected Agriculture and Fishery Commodities
- 8. Employment and Wages in Agriculture and Fishing**
9. Prices and Marketing of Selected Agriculture and Fishery Commodities

**AGRICULTURE AND FISHERIES INDICATORS SYSTEM
EMPLOYMENT AND WAGES IN AGRICULTURE AND FISHING
PHILIPPINE STATISTICS AUTHORITY**

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