



Republic of the Philippines  
Department of Agriculture  
**BUREAU OF AGRICULTURAL STATISTICS**



## Socio-Economic Characteristics of Farm Households in Western Visayas



Department of Agriculture  
**BUREAU OF AGRICULTURAL STATISTICS**  
Agricultural Accounts and Statistical Indicators Division (AASID)  
**Socio-Economic Statistics Section (SESS)**  
Ben-Lor Bldg., 1184 Quezon Avenue, Quezon City  
infobas@mozcom.com

<http://www.bas.gov.ph>

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ROMEO S. RECIDE  
Director

MAURA S. LIZARONDO  
Assistant Director

ROBERTO M. DALAG  
Chief, AASID

MARIO M. PADRINAO  
Chief, SESS

SESS STAFF:

EDUARDO B. SANGUYO

EMERLYN Q. BAES

RODIELYN D. CAGAOAN

JUVY D. GENEROSO

MARY JOY M. DEANG

## 6. ACCESS TO GOVERNMENT PROGRAMS

	Philippines	Region VI
6.1 Percentage of households which were aware of government programs		
Crop farming	59.57	65.39
Livestock and poultry raising	15.84	15.06
Capture fishing and aquaculture	4.91	3.15

6.2 Percentage of households which were beneficiaries of government programs		
<b>CROP FARMING</b>		
Input subsidy	2.07	1.89
Crop management	6.28	6.84
<b>LIVESTOCK AND POULTRY RAISING</b>		
Artificial insemination	0.38	1.06
Production program <sup>1</sup>	1.99	4.24
Animal dispersal	4.91	6.63
<b>CAPTURE FISHING AND AQUACULTURE</b>		
Tilapia culture	0.96	
Credit assistance	0.27	
Provision of cages	0.82	
Development program	5.46	4.00

<sup>1</sup> Include nutrition, vaccination and deworming

## FOREWORD

This report has been generated from the results of the Integrated Farm Household Survey (IFHS) which collected important benchmark characteristics of farms and farming population in the country. The IFHS, with reference period July 2002 to June 2003, covered 5,920 farm households nationwide except in Batanes and Lanao del Sur. It utilized a two-stage stratified sampling design with provinces as the domain and the barangays and farm households as the primary and secondary sampling units, respectively. The sample barangays were drawn from the 1999 Barangay Screening Survey of the Bureau of Agricultural Statistics and were set at 6 for small provinces and 9 for large agricultural provinces. For each sample barangay, 10 sample farm households (i.e. those households with at least one member engaged in agricultural activities) were randomly selected using the 2000 Census of Population and Housing of the National Statistics Office.

This report puts together the statistical data that can characterize the **socio-economic conditions of farm households in Western Visayas**. To enhance appreciation and understanding of the regional condition, the national level data are included in the presentation of statistical tables. Other details of data regarding the region are contained in the IFHS main report entitled "Socio-Economic Characteristics of Farm Households in the Philippines".

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 ROMEO S. RECIDE  
 Director

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## 5. CREDIT INFORMATION

	Philippines	Region VI
5.1 Percentage of households that availed loan		
Less than 100,000	22.34	26.07
100,000 - 600,000	0.59	0.45
More than 600,000	0.02	

5.2 Percentage of households that availed loan by purpose		
Agricultural production <sup>1</sup>	52.32	46.61
Education	19.71	25.42
Emergency purpose <sup>2</sup>	14.02	13.56
Business	13.46	12.71
House constructions/repairs	7.05	6.78
Payment for other loans	1.92	2.54
Others <sup>3</sup>	3.93	5.08

<sup>1</sup> Include crop, livestock and poultry production

<sup>2</sup> Includes hospitalization

<sup>3</sup> Include other purposes not elsewhere classified

5.3 Percentage distribution of households that availed loan with and without collateral		
With collateral	11.78	11.02
Without collateral	88.22	88.98

5.4 Percentage distribution of households that availed loan with and without guarantor		
With guarantor	9.78	16.10
Without guarantor	90.22	83.90

5.5 Percentage distribution of households that availed loan by type of amortization		
Cash	84.53	79.66
In-kind	11.46	15.25
Cash and in-kind	4.01	5.09

5.6 Percentage of households by actual usage of loan obtained		
Agricultural production <sup>1</sup>	49.46	46.61
Education	16.21	24.58
Emergency purpose <sup>2</sup>	9.44	7.63
Business	10.53	13.56
House constructions/repairs	5.60	5.08
Payment for other loans	1.17	0.85
Others <sup>3</sup>	11.61	11.02

<sup>1</sup> Include crop, livestock and poultry production

<sup>2</sup> Includes hospitalization

<sup>3</sup> Include other purposes not elsewhere classified

5.7 Percentage of households that pay amortization on time	84.46	81.36
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#### 4. INCOME AND EXPENDITURE PATTERNS (continuation)

##### 4.2 HOUSEHOLD EXPENDITURES

	Philippines	Region VI
4.2.1 Average annual expenditures of farm households	97,395	75,974
Farm	34,853	23,618
Food	40,187	36,133
Recurring expenses	9,726	6,062
Non-recurring expenses	12,629	10,161

4.2.2 Percentage distribution of annual household expenditures on food items		
Cereals	30.10	31.97
Cereal based products	5.98	5.78
Roots and tubers	1.63	0.88
Vegetables and spices	4.45	3.69
Fruits	2.99	3.17
Meat and meat preparations	19.82	15.56
Dairy and eggs	7.72	7.34
Fish and marine products	15.58	17.30
Coffee, chocolate and tea	2.83	3.69
Non-alcoholic beverages	2.60	2.56
Alcoholic beverages	2.56	4.06
Cigars and cigarettes	3.00	3.46
Other foods	0.74	0.54

4.2.3 Percentage distribution of annual household expenditures on recurring items		
Fuel, light and water	24.67	20.34
Household operations	23.88	23.30
Transportation and communication	18.30	21.35
Pocket money for children/others	18.82	17.99
Personal care and effects	11.52	14.40
Leisure and recreation	2.81	2.62

4.2.4 Percentage distribution of annual household expenditures on non-recurring items		
Clothing, shoes and other similar items	12.05	11.30
Education	42.30	42.56
Recreation	1.56	1.77
Medical care	9.82	11.03
Furniture/equipment	2.66	2.35
Income/business tax	2.64	1.91
Maintenance and repairs	4.88	3.72
Gifts and contributions	1.83	1.56
Special family occasions	2.51	1.16
Purchase/amortization of real property	1.70	0.83
Insurance/pre-need plans and other related expenses	1.53	0.61
Other non-recurring items	16.52	21.21

## HIGHLIGHTS

### Household Characteristics

- The size of farm households in the region averaged 5.02.
- Almost 52 percent of the households were headed by males. Average age of the household heads was 51 years.
- Almost 99 percent of household heads had formal education. About 14 percent had finished elementary education, 10 percent were high school graduates while only 6 percent were college degree holders.
- Farming was the main occupation of 85 percent of household heads. Palay farmers represented 69 percent of the household heads.

### Farm Characteristics

- About 95 percent of the farm households were engaged in crop farming and 85 percent were into livestock and poultry raising.
- The average number of farm parcels managed by farm households was 1.73. Farm parcels held under owner-like possession other than CLT/CLOA comprised the biggest average size of 0.92 hectare. The smallest at 0.35 hectare were those operated under rent-free agreement.
- About 66 percent of the farm parcels were planted to temporary crops. Homelot comprised 27 percent.
- About 27 percent of the region's farm parcels were irrigated. Almost 43 percent of the irrigated parcels were serviced by the National Irrigation Administration and 35 percent by communal irrigation system.
- The average inventory on farm investments of farm households were P5,425 in farm machineries and transport equipment, P1,606 in farm building and structures, P776 in farm tools, equipment and other supplies, and P70 in fishing gears.

### Farm Enterprise

- Palay was grown by all farm households. Around 30 percent cultivated banana and 29 percent, coconut.
- Backyard raising of hogs and native chicken was reported by 62 percent and 96 percent of households, respectively.
- About 60 percent of the households were also into marine and inland fishing. Gathering of shells, aquarium fish, etc. was reported by 16 percent of all farm households.
- Fishpond operation was undertaken by 33 percent of all households.

### Income and Expenditure Patterns

- Average annual income of farm households amounted to P79,949. About 52 percent of income or P41,266 came from farming. Non-farm income contributed 27 percent to total income which amounted to P21,772.
- Income from crop farming accounted for 81 percent of the total farm income. Palay production contributed 83 percent in the total income from crop farming.
- By enterprise, net returns from crop farming amounted to P15,776, P11,139 in capture fishing and aquaculture, and P1,728 in livestock and poultry raising.
- Average annual household expenditures amounted to P75,974. The biggest portion of household expenditures at 48 percent was spent for food followed by farm expenses with 31 percent.
- Cereals shared 32 percent in total food expenditures. Fish and marine products and meat and meat preparations accounted for 17 percent and 16 percent, respectively.
- Recurring expenses at P6,062 comprised 8 percent of the total household expenditures. Non-recurring expenses at P10,161 accounted for 14 percent.

### Credit Information

- About 26 percent of farm households availed of loans worth less than P100,000. Less than 1 percent availed loan amounting to P100,000 to P600,000. Among borrowers, 47 percent availed loans for agricultural productions and 25 percent for education of household members.

### Access to Government Program

- Awareness on government programs on crop farming was cited by 65 percent of farm households. However, only 9 percent were benefited with programs on input subsidy and crop production management.
- About 15 percent were aware of government programs on livestock and poultry raising. Around 12 percent were benefited with programs on animal dispersal, production program and artificial insemination.

## 4. INCOME AND EXPENDITURE PATTERNS

### 4.1 HOUSEHOLD INCOME

	Philippines	Region VI
4.1.1 Average annual income of farm households by source	106,181	79,949
Farm	P 57,628	41,266
Off-farm	6,763	6,746
Non-farm	31,389	21,772
Other sources	10,401	10,165

4.1.2 Percentage distribution of farm income by enterprise		
Crop farming	73.21	81.33
Livestock and poultry raising	13.82	14.32
Capture fishing and aquaculture	12.05	3.87
Others	0.92	0.48

4.1.3 Percentage distribution of farm income from crop farming		
Palay	47.49	82.63
Corn	11.84	1.74
Other temporary crops	10.05	2.92
Coconut	11.35	0.85
Other permanent crops	18.65	11.70
Crop by-products	0.62	0.16

4.1.4 Production expenses and returns above cash expenses by farm enterprise*		
<b>Crop farming</b>		
Production expenses	P 27,268	19,448
Returns above cash expenses	36,807	29,154
<b>Livestock and poultry raising</b>		
Production expenses	P 9,608	5,245
Returns above cash expenses	5,396	4,235
<b>Capture fishing and aquaculture</b>		
Production expenses	P 23,982	7,553
Returns above cash expenses	35,402	15,596

4.1.5 Average net income by farm enterprise*		
Crop farming	P 18,012	15,776
Livestock and poultry raising	1,402	1,728
Capture fishing and aquaculture	21,896	11,139

\* Data represents the averages of households engaged in particular farm enterprise

### 3.3 CAPTURE FISHING AND AQUACULTURE

	Philippines	Region VI
3.3.1 Percentage of households engaged in capture fishing by type		
Marine fishing	64.81	60.00
Inland fishing	31.71	60.00
Gathering of shells, aquarium fish, etc.	16.27	16.00

3.3.2 Percentage of households engaged in aquaculture by type of farm		
Fishpond	15.24	33.33
Fishpen	0.21	
Fishcage	0.43	
Seaweed farming	13.73	
Hatchery	0.43	

### 3.4 SPECIAL AGRICULTURAL ACTIVITIES AND HOME PROCESSING OF AGRICULTURAL PRODUCTS

3.4.1 Percentage of households engaged in special agricultural activities		
Cutflowers and ornamentals	0.31	0.45
Handicrafts <sup>1</sup>	0.52	
Others <sup>2</sup>	1.06	0.45

<sup>1</sup> Include plate making, bag weaving, hat, mat, saklob and papag making, and nipa thatches

<sup>2</sup> Include honey bee and wax making, mushroom and tuba gathering

3.4.2 Percentage of households engaged in home processing of agricultural products		
Cereal based products <sup>1</sup>	0.35	1.12
Fishery products <sup>2</sup>	0.20	1.35
Meat products <sup>3</sup>	0.04	0.22
Others <sup>4</sup>	0.26	0.90

<sup>1</sup> Include baye-baye, bitsu-bitsu, suman, camote/banana cue, puto/bibingka and sinacol/cassava cake

<sup>2</sup> Include dried fish and bagoong

<sup>3</sup> Include embotido and morcon

<sup>4</sup> Include ice cream, and pilli nut candies

## 1. CHARACTERISTICS OF FARM HOUSEHOLDS

	Philippines	Region VI
1.1 Average household size	5.07	5.02

1.2 Percentage distribution of household heads by sex		
Male	89.33	85.62
Female	10.67	14.38

1.3 Average age of household heads		
	49 years	51 years

1.4 Percentage distribution of household heads by educational attainment		
Elementary level	40.38	48.31
Elementary graduate	16.45	13.93
High school level	14.13	13.71
High school graduate	13.78	10.11
Vocational	2.06	1.80
College level	5.17	4.94
College graduate	4.67	5.62
Post graduate	0.16	0.22
No schooling	3.20	1.36

1.5 Percentage distribution of household heads by main occupation		
Officials of government	1.35	0.95
Professionals	0.98	0.71
Technicians and associate professionals	0.41	0.48
Clerks	0.29	
Service workers and shop and market sales workers	1.33	1.66
<b>FARMER</b>	<b>79.05</b>	<b>84.79</b>
Palay	35.77	68.88
Corn	12.01	4.51
Coconut	12.44	2.14
Others	18.83	9.26
Fishing	5.79	2.85
Trades and related workers	2.88	2.14
Plant and machine operators and assemblers	2.81	1.66
Laborers and unskilled workers	3.85	3.33
Special occupations	1.26	1.43

1.6 Percentage of household heads by membership in organization		
Community development	6.33	2.70
Consumer cooperative	0.69	0.22
Credit cooperative	1.56	1.12
Marketing cooperative	0.30	1.12
Multi-purpose cooperative	4.39	5.84
Producers cooperative	0.85	0.90
Service cooperative	1.78	1.80

## 2. FARM CHARACTERISTICS

	Philippines	Region VI
2.1 Percentage of farm households by farm enterprise		
Crop farming	93.18	95.28
Livestock and poultry raising	72.42	84.72
Capture fishing and aquaculture	13.32	5.62
Special agricultural activities	1.89	0.90
Home processing of agricultural products	0.85	3.60

2.2 Average number of farm parcels	1.66	1.73
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2.3 Average size of farm parcels by tenure (in hectare)		
Fully owned	1.08	0.55
Tenanted	1.03	0.58
Leased/rented	0.83	0.58
Rent free	0.56	0.35
Held under CLT/CLOA	0.98	0.61
Owner-like possession other than CLT / CLOA	0.81	0.92

2.4 Percentage distribution of farm parcels by location		
Within the city/municipality	97.56	99.36
Within the province	2.44	0.64

2.5 Percentage distribution of farm parcels by main use		
Homelot	21.34	26.61
Under temporary crop/s	55.15	65.63
Under permanent crop/s	21.35	6.98
Livestock farm	0.79	0.39
Poultry farm	0.19	0.13
Aquaculture farm	0.69	0.13
Others	0.48	0.13

2.6 Percentage share of irrigated farm parcels in total farm area	22.00	27.16
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2.7 Percentage distribution of irrigated farm parcels by source of irrigation		
National Irrigation System	29.96	42.85
Communal Irrigation System	35.69	34.86
Individual/Private Irrigation System	34.35	22.29

2.8 Average inventory of farm investments by major item		
Farm building and structures	P 2,057	1,606
Farm machineries and transport equipment	6,258	5,425
Farm tools, equipment and other supplies	1,216	776
Fishing gear	83	70

## 3. FARM ENTERPRISE

### 3.1 CROP FARMING

	Philippines	Region VI
3.1.1 Percentage of households reporting on the type of crops grown		
Palay	59.81	100.00
Corn	35.70	18.16
Other temporary crops	43.29	31.14
Coconut	44.03	28.54
Banana	23.85	30.42
Mango	13.52	16.51
Other permanent crops	24.37	20.54

3.1.2 Percentage of households using inorganic fertilizer for palay and corn				
FERTILIZER	Palay	Corn	Palay	Corn
Urea	55.56	42.80	65.45	17.33
Ammonium phosphate	18.17	20.43	31.14	25.33
Potassium chloride	1.85	0.80	5.00	1.33
Complete	12.40	9.65	18.86	10.67
Others	40.63	33.29	39.09	20.00

3.1.3 Percentage of households applying pesticides for palay and corn				
PESTICIDE	Palay	Corn	Palay	Corn
Insecticides	60.34	11.86	72.73	10.67
Weedicides/herbicides	33.16	5.29	59.32	
Others	4.18	0.47	3.86	

### 3.2 LIVESTOCK AND POULTRY RAISING

3.2.1 Percentage of households raising livestock by purpose/farm type				
LIVESTOCK	Comm'l.	Backyard*	Comm'l.	Backyard*
Carabao	0.37	40.44	0.71	41.07
Cattle	0.46	26.23		20.00
Hog	2.50	63.73	1.07	68.22
Goat	0.19	15.54	0.36	11.43
Others		4.63		1.79

3.2.2 Percentage of households raising poultry by purpose/farm type				
POULTRY	Comm'l.	Backyard*	Comm'l.	Backyard*
Native chicken	1.11	83.26	0.59	96.19
Foreign/Layer chicken	0.37	8.57		3.81
Broiler	0.20	3.29		2.93
Mallard	0.27	7.59		11.48
Others	0.34	7.06		9.09

\*Includes subsistence farming