



Republic of the Philippines
Department of Agriculture
BUREAU OF AGRICULTURAL STATISTICS



Socio-Economic Characteristics of Farm Households in Central 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>

MAY 2006

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 VII
6.1 Percentage of households which were aware of government programs		
Crop farming	59.57	56.90
Livestock and poultry raising	15.84	27.61
Capture fishing and aquaculture	4.91	1.01

6.2 Percentage of households which were beneficiaries of government programs		
CROP FARMING		
Input subsidy	2.07	
Crop management	6.28	6.57
LIVESTOCK AND POULTRY RAISING		
Artificial insemination	0.38	
Production program ¹	1.99	
Animal dispersal	4.91	1.47
CAPTURE FISHING AND AQUACULTURE		
Tilapia culture	0.96	
Credit assistance	0.27	
Provision of cages	0.82	
Development program	5.46	3.33

¹ 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 Central 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".

The Bureau of Agricultural Statistics (BAS) wishes to extend its most sincere appreciation to the Bureau of Agricultural Research (BAR) for the financial support it has provided for the preparation of this report.


 ROMEO S. RECIDE
 Director

TABLE OF CONTENTS

FOREWORD	i
TABLE OF CONTENTS	ii
HIGHLIGHTS	iii
1. CHARACTERISTICS OF FARM HOUSEHOLDS	1
1.1 Average household size	
1.2 Percentage distribution of household heads by sex	
1.3 Average age of household heads	
1.4 Percentage distribution of household heads by educational attainment	
1.5 Percentage distribution of household heads by main occupation	
1.6 Percentage of household heads by membership in organization	
2. FARM CHARACTERISTICS	2
2.1 Percentage of farm households by farm enterprise	
2.2 Average number of farm parcels	
2.3 Average size of farm parcels by tenure (in hectare)	
2.4 Percentage distribution of farm parcels by location	
2.5 Percentage distribution of farm parcels by main use	
2.6 Percentage share of irrigated farm parcels in total farm area	
2.7 Percentage distribution of irrigated farm parcels by source of irrigation	
2.8 Average inventory of farm investments by major item	
3. FARM ENTERPRISE	3
3.1 Crop Farming	
3.2 Livestock and Poultry Raising	
3.3 Capture Fishing and Aquaculture	
3.4 Special Agricultural Activities and Home Processing of Agricultural Products	
4. INCOME AND EXPENDITURE PATTERNS	5
4.1 Household Income	
4.2 Household Expenditures	
5. CREDIT INFORMATION	7
5.1 Percentage of households that availed loan	
5.2 Percentage of households that availed loan by purpose	
5.3 Percentage distribution of households that availed loan with and without collateral	
5.4 Percentage distribution of households that availed loan with and without guarantor	
5.5 Percentage distribution of households that availed loan by type of amortization	
5.6 Percentage of households by actual usage of loan obtained	
5.7 Percentage of households that pay amortization on time	
6. ACCESS TO GOVERNMENT PROGRAMS	8
6.1 Percentage of households which were aware of government programs	
6.2 Percentage of households which were beneficiaries of government programs	

5. CREDIT INFORMATION

	Philippines	Region VII
5.1 Percentage of households that availed loan		
Less than 100,000	22.34	12.79
100,000 - 600,000	0.59	
More than 600,000	0.02	

5.2 Percentage of households that availed loan by purpose		
Agricultural production ¹	52.32	21.05
Education	19.71	21.05
Emergency purpose ²	14.02	21.05
Business	13.46	28.95
House constructions/repairs	7.05	10.53
Payment for other loans	1.92	2.63
Others ³	3.93	2.63

¹ Include crop, livestock and poultry production

² Includes hospitalization

³ Include other purposes not elsewhere classified

5.3 Percentage distribution of households that availed loan with and without collateral		
With collateral	11.78	18.42
Without collateral	88.22	81.58

5.4 Percentage distribution of households that availed loan with and without guarantor		
With guarantor	9.78	10.53
Without guarantor	90.22	89.47

5.5 Percentage distribution of households that availed loan by type of amortization		
Cash	84.53	94.74
In-kind	11.46	5.26
Cash and in-kind	4.01	

5.6 Percentage of households by actual usage of loan obtained		
Agricultural production ¹	49.46	18.42
Education	16.21	23.68
Emergency purpose ²	9.44	13.16
Business	10.53	26.32
House constructions/repairs	5.60	7.89
Payment for other loans	1.17	5.26
Others ³	11.61	13.16

¹ Include crop, livestock and poultry production

² Includes hospitalization

³ Include other purposes not elsewhere classified

5.7 Percentage of households that pay amortization on time	84.46	94.74
--	-------	-------

4. INCOME AND EXPENDITURE PATTERNS (continuation)

4.2 HOUSEHOLD EXPENDITURES

	Philippines	Region VII
4.2.1 Average annual expenditures of farm households	97,395	69,533
Farm	34,853	19,946
Food	40,187	31,521
Recurring expenses	9,726	7,384
Non-recurring expenses	12,629	10,682

4.2.2 Percentage distribution of annual household expenditures on food items		
Cereals	30.10	35.96
Cereal based products	5.98	6.65
Roots and tubers	1.63	0.85
Vegetables and spices	4.45	3.48
Fruits	2.99	1.99
Meat and meat preparations	19.82	13.38
Dairy and eggs	7.72	7.71
Fish and marine products	15.58	21.29
Coffee, chocolate and tea	2.83	2.49
Non-alcoholic beverages	2.60	1.72
Alcoholic beverages	2.56	1.79
Cigars and cigarettes	3.00	2.49
Other foods	0.74	0.20

4.2.3 Percentage distribution of annual household expenditures on recurring items		
Fuel, light and water	24.67	24.88
Household operations	23.88	28.56
Transportation and communication	18.30	20.79
Pocket money for children/others	18.82	13.69
Personal care and effects	11.52	8.23
Leisure and recreation	2.81	3.85

4.2.4 Percentage distribution of annual household expenditures on non-recurring items		
Clothing, shoes and other similar items	12.05	10.08
Education	42.30	37.01
Recreation	1.56	0.86
Medical care	9.82	11.36
Furniture/equipment	2.66	0.95
Income/business tax	2.64	4.39
Maintenance and repairs	4.88	4.50
Gifts and contributions	1.83	1.74
Special family occasions	2.51	7.07
Purchase/amortization of real property	1.70	0.48
Insurance/pre-need plans and other related expenses	1.53	1.14
Other non-recurring items	16.52	20.41

HIGHLIGHTS

Household Characteristics

- The size of farm households in the region averaged 4.80.
- Almost 90 percent of the households were headed by males. Average age of the household heads was 53 years.
- About 98 percent of the household heads had formal education. Nearly 17 percent finished elementary education, while 5 percent each were high school and college degree holders.
- Farming was the main occupation of 70 percent of household heads. Corn farmers were 42 percent of the household heads and 14 percent were palay farmers.

Farm Characteristics

- More than 91 percent of the farm households were engaged in crop farming and livestock and poultry raising.
- The average number of farm parcels operated by households was 1.80. Fully owned farm parcels had the biggest average size of 0.88 hectare. The smallest at 0.37 hectare were parcels operated under rent-free agreement.
- About 65 percent of the farm parcels were planted to temporary crops. Homelot occupied 21 percent.
- Only 10 percent of the region's farm parcels were irrigated and 54 percent had their own irrigation system.
- Average inventory of farm investments in the region was small at P1,446 for farm building and structures, P1,411 for farm machineries and transport equipment, P804 for farm tools, equipment and other supplies and P63 for fishing gears.

Farm Enterprise

- Corn was the crop grown by the majority or 97 percent of the households. Coconut was also cultivated by 61 percent of households.
- Backyard raising of livestock and poultry was more common among households. Raising in commercial scale was reported by only 3 percent of households.
- All households were engaged in marine fishing while 43 percent were also involved in gathering of shells, aquarium fish, etc.
- Only 3 percent of the households were into fishpond operations.

Income and Expenditure Patterns

- Annual income of farm households averaged P72,177. About 43 percent of household income or P31,055 came from non-farming activities. Farm income contributed 39 percent to total income which amounted to P28,074.
- The bulk or 52 percent of the farm income came from crop farming. Around 33 percent came from livestock and poultry raising.
- About 44 percent of income from crop farming came from palay and corn production.
- By farm enterprise, capture fishing and aquaculture generated the highest net returns at P17,925. This amounted only to P4,708 in crop farming and P738 in livestock and poultry raising.
- Annual expenditures of farm households averaged P69,533. The biggest portion of household expenditures at 45 percent was spent for food. Farm expenses accounted for 29 percent.
- Cereals shared 36 percent in total food expenditures. Fish and marine products accounted for 21 percent while meat and meat preparations shared 13 percent.
- Recurring expenses of households comprised 11 percent of the total household expenditures with 29 percent was spent for household operations, 25 percent for fuel, light and water, and 21 percent for transportation and communication.
- Non-recurring expenses share 15 percent in household expenditures. Education accounted for 37 percent of the total non-recurring expenses.

Credit Information

- Of the total farm households, almost 13 percent availed of loans worth less than P100,000. About 29 percent of the borrowers availed loans for business purposes and 21 percent each for agricultural production, education and emergency use.

Access to Government Program

- Awareness on government programs in crop farming was cited by 57 percent of farm households. About 28 percent of the households showed familiarity with programs on livestock and poultry raising and only 1 percent on capture fishing and aquaculture.
- Only few households were benefited with programs on crop management with 7 percent of households reporting, 3 percent in development program on capture fishing and aquaculture, and only 1 percent on animal dispersal program.

4. INCOME AND EXPENDITURE PATTERNS

4.1 HOUSEHOLD INCOME

	Philippines	Region VII
4.1.1 Average annual income of farm households by source	106,181	72,177
Farm	P 57,628	28,074
Off-farm	6,763	5,574
Non-farm	31,389	31,055
Other sources	10,401	7,474

4.1.2 Percentage distribution of farm income by enterprise		
Crop farming	73.21	52.39
Livestock and poultry raising	13.82	33.28
Capture fishing and aquaculture	12.05	12.07
Others	0.92	2.26

4.1.3 Percentage distribution of farm income from crop farming		
Palay	47.49	20.71
Corn	11.84	23.12
Other temporary crops	10.05	23.76
Coconut	11.35	13.38
Other permanent crops	18.65	16.40
Crop by-products	0.62	2.63

4.1.4 Production expenses and returns above cash expenses by farm enterprise*		
Crop farming		
Production expenses	P 27,268	10,406
Returns above cash expenses	36,807	12,885
Livestock and poultry raising		
Production expenses	P 9,608	9,426
Returns above cash expenses	5,396	5,051
Capture fishing and aquaculture		
Production expenses	P 23,982	9,281
Returns above cash expenses	35,402	23,334

4.1.5 Average net income by farm enterprise*		
Crop farming	P 18,012	4,708
Livestock and poultry raising	1,402	738
Capture fishing and aquaculture	21,896	17,925

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

3. FARM ENTERPRISE (continuation)

3.3 CAPTURE FISHING AND AQUACULTURE

	Philippines	Region VII
3.3.1 Percentage of households engaged in capture fishing by type		
Marine fishing	64.81	100.00
Inland fishing	31.71	
Gathering of shells, aquarium fish, etc.	16.27	43.33

3.3.2 Percentage of households engaged in aquaculture by type of farm	Philippines	Region VII
Fishpond	15.24	3.33
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	Philippines	Region VII
Cutflowers and ornamentals	0.31	
Handicrafts ¹	0.52	
Others ²	1.06	4.71

¹ Include plate making, bag weaving, hat, mat, saklob and papag making, and nipa thatches

² Include honey bee and wax making, mushroom and tuba gathering

3.4.2 Percentage of households engaged in home processing of agricultural products	Philippines	Region VII
Cereal based products ¹	0.35	0.67
Fishery products ²	0.20	
Meat products ³	0.04	
Others ⁴	0.26	

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

² Include dried fish and bagoong

³ Include embotido and morcon

⁴ Include ice cream, and pilli nut candies

1. CHARACTERISTICS OF FARM HOUSEHOLDS

	Philippines	Region VII
1.1 Average household size	5.07	4.80

1.2 Percentage distribution of household heads by sex	Philippines	Region VII
Male	89.33	89.90
Female	10.67	10.10

1.3 Average age of household heads	Philippines	Region VII
	49 years	53 years

1.4 Percentage distribution of household heads by educational attainment	Philippines	Region VII
Elementary level	40.38	57.58
Elementary graduate	16.45	16.84
High school level	14.13	10.44
High school graduate	13.78	5.39
Vocational	2.06	
College level	5.17	2.36
College graduate	4.67	5.39
Post graduate	0.16	
No schooling	3.20	2.00

1.5 Percentage distribution of household heads by main occupation	Philippines	Region VII
Officials of government	1.35	1.63
Professionals	0.98	0.81
Technicians and associate professionals	0.41	1.63
Clerks	0.29	
Service workers and shop and market sales workers	1.33	1.63
FARMER	79.05	69.91
Palay	35.77	14.23
Corn	12.01	42.27
Coconut	12.44	3.25
Others	18.83	10.16
Fishing	5.79	4.06
Trades and related workers	2.88	5.69
Plant and machine operators and assemblers	2.81	6.10
Laborers and unskilled workers	3.85	6.91
Special occupations	1.26	1.63

1.6 Percentage of household heads by membership in organization	Philippines	Region VII
Community development	6.33	9.09
Consumer cooperative	0.69	0.67
Credit cooperative	1.56	0.34
Marketing cooperative	0.30	
Multi-purpose cooperative	4.39	4.38
Producers cooperative	0.85	0.67
Service cooperative	1.78	1.01

2. FARM CHARACTERISTICS

	Philippines	Region VII
2.1 Percentage of farm households by farm enterprise		
Crop farming	93.18	97.31
Livestock and poultry raising	72.42	91.92
Capture fishing and aquaculture	13.32	10.10
Special agricultural activities	1.89	4.71
Home processing of agricultural products	0.85	0.67

2.2 Average number of farm parcels	1.66	1.80
------------------------------------	------	------

2.3 Average size of farm parcels by tenure (in hectare)		
Fully owned	1.08	0.88
Tenanted	1.03	0.47
Leased/rented	0.83	0.38
Rent free	0.56	0.37
Held under CLT/CLOA	0.98	0.54
Owner-like possession other than CLT / CLOA	0.81	0.43

2.4 Percentage distribution of farm parcels by location		
Within the city/municipality	97.56	99.44
Within the province	2.44	0.56

2.5 Percentage distribution of farm parcels by main use		
Homelot	21.34	21.45
Under temporary crop/s	55.15	65.30
Under permanent crop/s	21.35	12.69
Livestock farm	0.79	
Poultry farm	0.19	
Aquaculture farm	0.69	
Others	0.48	0.56

2.6 Percentage share of irrigated farm parcels in total farm area	22.00	10.16
---	-------	-------

2.7 Percentage distribution of irrigated farm parcels by source of irrigation		
National Irrigation System	29.96	5.71
Communal Irrigation System	35.69	40.00
Individual/Private Irrigation System	34.35	54.29

2.8 Average inventory of farm investments by major item		
Farm building and structures	P 2,057	1,446
Farm machineries and transport equipment	6,258	1,411
Farm tools, equipment and other supplies	1,216	804
Fishing gear	83	63

3. FARM ENTERPRISE

3.1 CROP FARMING

	Philippines	Region VII
3.1.1 Percentage of households reporting on the type of crops grown		
Palay	59.81	26.64
Corn	35.70	97.23
Other temporary crops	43.29	67.47
Coconut	44.03	60.55
Banana	23.85	38.75
Mango	13.52	13.15
Other permanent crops	24.37	15.56

3.1.2 Percentage of households using inorganic fertilizer for palay and corn				
FERTILIZER	Palay	Corn	Palay	Corn
Urea	55.56	42.80	22.42	31.63
Ammonium phosphate	18.17	20.43	9.70	
Potassium chloride	1.85	0.80	3.03	
Complete	12.40	9.65	1.21	15.31
Others	40.63	33.29	50.30	37.24

3.1.3 Percentage of households applying pesticides for palay and corn				
PESTICIDE	Palay	Corn	Palay	Corn
Insecticides	60.34	11.86	16.36	1.02
Weedicides/herbicides	33.16	5.29	1.21	
Others	4.18	0.47	0.61	

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	0.81	33.74
Cattle	0.46	26.23		46.75
Hog	2.50	63.73	2.85	72.36
Goat	0.19	15.54		30.90
Others		4.63		2.44

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	0.80	87.20
Foreign/Layer chicken	0.37	8.57	0.40	11.60
Broiler	0.20	3.29		
Mallard	0.27	7.59		0.99
Others	0.34	7.06		2.80

*Includes subsistence farming