



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



## Socio-Economic Characteristics of Farm Households in CAR



Department of Agriculture  
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## 6. ACCESS TO GOVERNMENT PROGRAMS

	Philippines	CAR
6.1 Percentage of households which were aware of government programs		
Crop farming	59.57	59.59
Livestock and poultry raising	15.84	16.22
Capture fishing and aquaculture	4.91	0.88

6.2 Percentage of households which were beneficiaries of government programs		
<b>CROP FARMING</b>		
Input subsidy	2.07	3.40
Crop management	6.28	10.49
<b>LIVESTOCK AND POULTRY RAISING</b>		
Artificial insemination	0.38	1.44
Production program <sup>1</sup>	1.99	2.17
Animal dispersal	4.91	4.69
<b>CAPTURE FISHING AND AQUACULTURE</b>		
Tilapia culture	0.96	2.63
Credit assistance	0.27	
Provision of cages	0.82	2.63
Development program	5.46	2.63

<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 CAR**. 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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## 5. CREDIT INFORMATION

	Philippines	CAR
5.1 Percentage of households that availed loan		
Less than 100,000	22.34	24.19
100,000 - 600,000	0.59	0.29
More than 600,000	0.02	

5.2 Percentage of households that availed loan by purpose		
Agricultural production <sup>1</sup>	52.32	59.04
Education	19.71	24.10
Emergency purpose <sup>2</sup>	14.02	14.46
Business	13.46	7.23
House constructions/repairs	7.05	6.02
Payment for other loans	1.92	3.61
Others <sup>3</sup>	3.93	1.20

<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	20.48
Without collateral	88.22	79.52

5.4 Percentage distribution of households that availed loan with and without guarantor		
With guarantor	9.78	14.46
Without guarantor	90.22	85.54

5.5 Percentage distribution of households that availed loan by type of amortization		
Cash	84.53	90.36
In-kind	11.46	2.41
Cash and in-kind	4.01	7.23

5.6 Percentage of households by actual usage of loan obtained		
Agricultural production <sup>1</sup>	49.46	52.56
Education	16.21	23.08
Emergency purpose <sup>2</sup>	9.44	7.69
Business	10.53	6.41
House constructions/repairs	5.60	5.13
Payment for other loans	1.17	1.28
Others <sup>3</sup>	11.61	3.85

<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	79.52
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#### 4. INCOME AND EXPENDITURE PATTERNS (continuation)

##### 4.2 HOUSEHOLD EXPENDITURES

	Philippines	CAR
4.2.1 Average annual expenditures of farm households	97,395	120,675
Farm	34,853	37,931
Food	40,187	50,965
Recurring expenses	9,726	13,789
Non-recurring expenses	12,629	17,990

4.2.2 Percentage distribution of annual household expenditures on food items		
Cereals	30.10	28.02
Cereal based products	5.98	5.48
Roots and tubers	1.63	2.89
Vegetables and spices	4.45	6.40
Fruits	2.99	4.19
Meat and meat preparations	19.82	28.10
Dairy and eggs	7.72	8.47
Fish and marine products	15.58	7.22
Coffee, chocolate and tea	2.83	2.76
Non-alcoholic beverages	2.60	2.43
Alcoholic beverages	2.56	1.95
Cigars and cigarettes	3.00	1.61
Other foods	0.74	0.48

4.2.3 Percentage distribution of annual household expenditures on recurring items		
Fuel, light and water	24.67	19.08
Household operations	23.88	23.55
Transportation and communication	18.30	20.05
Pocket money for children/others	18.82	22.99
Personal care and effects	11.52	12.10
Leisure and recreation	2.81	2.23

4.2.4 Percentage distribution of annual household expenditures on non-recurring items		
Clothing, shoes and other similar items	12.05	11.64
Education	42.30	43.61
Recreation	1.56	1.44
Medical care	9.82	9.16
Furniture/equipment	2.66	5.13
Income/business tax	2.64	3.77
Maintenance and repairs	4.88	7.87
Gifts and contributions	1.83	1.49
Special family occasions	2.51	2.44
Purchase/amortization of real property	1.70	0.19
Insurance/pre-need plans and other related expenses	1.53	0.76
Other non-recurring items	16.52	12.49

## HIGHLIGHTS

### Household Characteristics

- In CAR, the average size of farm households was 5.17.
- Majority or 88.20 percent of the household heads were males. The average age of household heads was 49 years.
- About 93.81 percent of household heads had formal education. Those who finished primary education comprised 12.68 percent. High school graduates accounted for 12.98 percent while 7.67 percent were degree holders.
- Farming was the main occupation of 87.23 percent of household heads. Palay farmers represented 76.28 percent of the household heads.
- Among household heads, 10.91 percent were members of organization on multi-purpose cooperative and 5.60 percent on community development.

### Farm Characteristics

- Majority or 95.58 percent of the households were engaged in crop farming while 81.71 percent were in livestock and poultry raising.
- Average number of farm parcels operated by farm households was 2.68.
- Lease/rented farm parcels comprised the biggest average farm size of 0.52 hectare. Owned and tenanted farm parcels averaged 0.40 hectare and 0.48 hectare, respectively.
- More than half or 52.40 percent of total farm parcels were irrigated. Of these farm parcels 55.88 percent were serviced by communal irrigation system.
- The average inventory of farm investments was valued at P24,447. Average inventory on farm machineries accounted for 55.36 percent.

### Farm Enterprise

- All farm households planted palay during the reference period. Another 62.96 percent of all farm households had grown other temporary crops while 44.14 percent planted corn.
- Backyard raising of livestock and poultry was more common among households.
- Households engaged in inland fishing accounted for 89.47 percent while those involved in gathering of shells, aquarium fish, etc., comprised 18.42 percent.

### Income and Expenditure Patterns

- Annual income of households averaged P127,067. Of this amount, almost 56 percent were derived from farming. Non-farm income contributed only 29.26 percent. The remainder was derived from off-farm activities and other sources like pension, etc..
- About 87.69 percent of farm income of households were derived from crop farming. Livestock and poultry raising contributed only 11.05 percent.
- Of the total income from crop farming, 43.24 percent were derived from growing temporary crops while 36.62 percent came from growing palay.
- By enterprise, net returns in palay production stood at P33,304, P890 in livestock and poultry raising and P161 in capture fishing and aquaculture.
- Food expenditures accounted for the biggest percentage of household expenditures at 42.23 percent followed by farm expenses at 31.43 percent.
- Cereals and meat and meat preparations shared 28.02 percent and 28.10 percent in the total food expenditures, respectively. The remainder was spent for other food items.
- Recurring expenses comprised 11.43 percent of the total household expenditures while non-recurring expenses accounted for 14.91 percent.

### Credit Information

- Of the total farm households, 24.19 percent availed of loans worth less than P100,000. About 59.04 percent of borrowers availed loans for agricultural production.

### Access to Government Program

- Majority or 59.59 percent of farm households were familiar with government programs in crop farming. Awareness on programs for livestock and poultry raising was cited by 16.22 percent of farm households.
- Households that were benefited with programs on crop management comprised only 10.49 percent of all farming households. About 4.69 percent were recipient of animal dispersal program.

## 4. INCOME AND EXPENDITURE PATTERNS

### 4.1 HOUSEHOLD INCOME

	Philippines	CAR
4.1.1 Average annual income of farm households by source	106,181	127,067
Farm	P 57,628	71,142
Off-farm	6,763	9,731
Non-farm	31,389	37,178
Other sources	10,401	9,016

4.1.2 Percentage distribution of farm income by enterprise		
Crop farming	73.21	87.69
Livestock and poultry raising	13.82	11.05
Capture fishing and aquaculture	12.05	0.38
Others	0.92	0.88

4.1.3 Percentage distribution of farm income from crop farming		
Palay	47.49	35.62
Corn	11.84	6.18
Other temporary crops	10.05	43.24
Coconut	11.35	0.09
Other permanent crops	18.65	14.81
Crop by-products	0.62	0.06

4.1.4 Production expenses and returns above cash expenses by farm enterprise*		
<b>Crop farming</b>		
Production expenses	P 27,268	31,967
Returns above cash expenses	36,807	53,410
<b>Livestock and poultry raising</b>		
Production expenses	P 9,608	8,697
Returns above cash expenses	5,396	5,789
<b>Capture fishing and aquaculture</b>		
Production expenses	P 23,982	1,545
Returns above cash expenses	35,402	849

4.1.5 Average net income by farm enterprise*		
Crop farming	P 18,012	33,304
Livestock and poultry raising	1,402	890
Capture fishing and aquaculture	21,896	161

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

### 3.3 CAPTURE FISHING AND AQUACULTURE

	Philippines	CAR
3.3.1 Percentage of households engaged in capture fishing by type		
Marine fishing	64.81	
Inland fishing	31.71	89.47
Gathering of shells, aquarium fish, etc.	16.27	18.42

3.3.2 Percentage of households engaged in aquaculture by type of farm		
Fishpond	15.24	
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	0.88
Handicrafts <sup>1</sup>	0.52	0.29
Others <sup>2</sup>	1.06	

<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	
Fishery products <sup>2</sup>	0.20	
Meat products <sup>3</sup>	0.04	
Others <sup>4</sup>	0.26	

<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	CAR
1.1 Average household size	5.07	5.17

1.2 Percentage distribution of household heads by sex		
Male	89.33	88.20
Female	10.67	11.80

1.3 Average age of household heads		
	49 years	49 years

1.4 Percentage distribution of household heads by educational attainment		
Elementary level	40.38	36.30
Elementary graduate	16.45	12.68
High school level	14.13	12.68
High school graduate	13.78	12.98
Vocational	2.06	2.06
College level	5.17	8.85
College graduate	4.67	7.67
Post graduate	0.16	0.59
No schooling	3.20	6.19

1.5 Percentage distribution of household heads by main occupation		
Officials of government	1.35	0.73
Professionals	0.98	1.46
Technicians and associate professionals	0.41	
Clerks	0.29	0.37
Service workers and shop and market sales workers	1.33	2.56
<b>FARMER</b>	<b>79.05</b>	<b>87.23</b>
Palay	35.77	76.28
Corn	12.01	0.73
Coconut	12.44	
Others	18.83	10.22
Fishing	5.79	
Trades and related workers	2.88	0.73
Plant and machine operators and assemblers	2.81	1.09
Laborers and unskilled workers	3.85	3.28
Special occupations	1.26	2.55

1.6 Percentage of household heads by membership in organization		
Community development	6.33	5.60
Consumer cooperative	0.69	0.29
Credit cooperative	1.56	3.54
Marketing cooperative	0.30	
Multi-purpose cooperative	4.39	10.91
Producers cooperative	0.85	0.29
Service cooperative	1.78	1.18

## 2. FARM CHARACTERISTICS

	Philippines	CAR
2.1 Percentage of farm households by farm enterprise		
Crop farming	93.18	95.58
Livestock and poultry raising	72.42	81.71
Capture fishing and aquaculture	13.32	11.21
Special agricultural activities	1.89	1.18
Home processing of agricultural products	0.85	

2.2 Average number of farm parcels	1.66	2.68
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2.3 Average size of farm parcels by tenure (in hectare)		
Fully owned	1.08	0.40
Tenanted	1.03	0.48
Leased/rented	0.83	0.52
Rent free	0.56	0.37
Held under CLT/CLOA	0.98	0.34
Owner-like possession other than CLT / CLOA	0.81	0.20

2.4 Percentage distribution of farm parcels by location		
Within the city/municipality	97.56	98.03
Within the province	2.44	1.97

2.5 Percentage distribution of farm parcels by main use		
Homelot	21.34	29.27
Under temporary crop/s	55.15	62.50
Under permanent crop/s	21.35	5.15
Livestock farm	0.79	0.77
Poultry farm	0.19	1.10
Aquaculture farm	0.69	0.11
Others	0.48	1.10

2.6 Percentage share of irrigated farm parcels in total farm area	22.00	52.40
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2.7 Percentage distribution of irrigated farm parcels by source of irrigation		
National Irrigation System	29.96	17.19
Communal Irrigation System	35.69	55.88
Individual/Private Irrigation System	34.35	26.93

2.8 Average inventory of farm investments by major item		
Farm building and structures	P 2,057	9,349
Farm machineries and transport equipment	6,258	13,535
Farm tools, equipment and other supplies	1,216	1,546
Fishing gear	83	17

## 3. FARM ENTERPRISE

### 3.1 CROP FARMING

	Philippines	CAR
3.1.1 Percentage of households reporting on the type of crops grown		
Palay	59.81	100.00
Corn	35.70	44.14
Other temporary crops	43.29	62.96
Coconut	44.03	9.88
Banana	23.85	16.36
Mango	13.52	8.95
Other permanent crops	24.37	20.99

3.1.2 Percentage of households using inorganic fertilizer for palay and corn				
FERTILIZER	Palay	Corn	Palay	Corn
Urea	55.56	42.80	44.40	49.06
Ammonium phosphate	18.17	20.43	10.77	8.49
Potassium chloride	1.85	0.80		
Complete	12.40	9.65	7.47	15.09
Others	40.63	33.29	40.66	38.68

3.1.3 Percentage of households applying pesticides for palay and corn				
PESTICIDE	Palay	Corn	Palay	Corn
Insecticides	60.34	11.86	43.74	23.58
Weedicides/herbicides	33.16	5.29	12.09	3.77
Others	4.18	0.47	11.43	

### 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		46.60
Cattle	0.46	26.23	1.46	14.56
Hog	2.50	63.73	4.85	74.27
Goat	0.19	15.54		15.05
Others		4.63		0.49

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	0.83	92.11
Foreign/Layer chicken	0.37	8.57		0.82
Broiler	0.20	3.29		0.82
Mallard	0.27	7.59	0.41	17.19
Others	0.34	7.06	0.41	17.00

\*Includes subsistence farming