



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



## Socio-Economic Characteristics of Farm Households in CALABARZON



Department of Agriculture  
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## 6. ACCESS TO GOVERNMENT PROGRAMS

	Philippines	Region IVA
6.1 Percentage of households which were aware of government programs		
Crop farming	59.57	46.18
Livestock and poultry raising	15.84	10.63
Capture fishing and aquaculture	4.91	2.99

6.2 Percentage of households which were beneficiaries of government programs		
<b>CROP FARMING</b>		
Input subsidy	2.07	1.83
Crop management	6.28	1.83
<b>LIVESTOCK AND POULTRY RAISING</b>		
Artificial insemination	0.38	
Production program <sup>1</sup>	1.99	1.73
Animal dispersal	4.91	1.16
<b>CAPTURE FISHING AND AQUACULTURE</b>		
Tilapia culture	0.96	
Credit assistance	0.27	
Provision of cages	0.82	
Development program	5.46	4.35

<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 CALABARZON**. 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  
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## 5. CREDIT INFORMATION

	Philippines	Region IVA
5.1 Percentage of households that availed loan		
Less than 100,000	22.34	22.92
100,000 - 600,000	0.59	0.33
More than 600,000	0.02	

5.2 Percentage of households that availed loan by purpose		
Agricultural production <sup>1</sup>	52.32	35.71
Education	19.71	20.00
Emergency purpose <sup>2</sup>	14.02	15.71
Business	13.46	20.00
House constructions/repairs	7.05	5.71
Payment for other loans	1.92	1.43
Others <sup>3</sup>	3.93	4.29

<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	8.57
Without collateral	88.22	91.43

5.4 Percentage distribution of households that availed loan with and without guarantor		
With guarantor	9.78	17.14
Without guarantor	90.22	82.86

5.5 Percentage distribution of households that availed loan by type of amortization		
Cash	84.53	97.14
In-kind	11.46	2.86
Cash and in-kind	4.01	

5.6 Percentage of households by actual usage of loan obtained		
Agricultural production <sup>1</sup>	49.46	35.82
Education	16.21	19.40
Emergency purpose <sup>2</sup>	9.44	13.43
Business	10.53	22.39
House constructions/repairs	5.60	4.48
Payment for other loans	1.17	1.49
Others <sup>3</sup>	11.61	2.99

<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	91.43
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#### 4. INCOME AND EXPENDITURE PATTERNS (continuation)

##### 4.2 HOUSEHOLD EXPENDITURES

	Philippines	Region IVA
4.2.1 Average annual expenditures of farm households	97,395	120,054
Farm	34,853	40,936
Food	40,187	44,901
Recurring expenses	9,726	12,882
Non-recurring expenses	12,629	21,335

4.2.2 Percentage distribution of annual household expenditures on food items		
Cereals	30.10	27.05
Cereal based products	5.98	7.48
Roots and tubers	1.63	0.59
Vegetables and spices	4.45	3.33
Fruits	2.99	2.41
Meat and meat preparations	19.82	21.33
Dairy and eggs	7.72	8.61
Fish and marine products	15.58	16.62
Coffee, chocolate and tea	2.83	3.13
Non-alcoholic beverages	2.60	1.83
Alcoholic beverages	2.56	2.56
Cigars and cigarettes	3.00	4.01
Other foods	0.74	1.05

4.2.3 Percentage distribution of annual household expenditures on recurring items		
Fuel, light and water	24.67	32.65
Household operations	23.88	18.28
Transportation and communication	18.30	15.98
Pocket money for children/others	18.82	17.84
Personal care and effects	11.52	13.12
Leisure and recreation	2.81	2.12

4.2.4 Percentage distribution of annual household expenditures on non-recurring items		
Clothing, shoes and other similar items	12.05	8.59
Education	42.30	37.16
Recreation	1.56	0.75
Medical care	9.82	13.07
Furniture/equipment	2.66	1.87
Income/business tax	2.64	1.83
Maintenance and repairs	4.88	4.72
Gifts and contributions	1.83	2.06
Special family occasions	2.51	3.30
Purchase/amortization of real property	1.70	0.69
Insurance/pre-need plans and other related expenses	1.53	0.35
Other non-recurring items	16.52	25.60

## HIGHLIGHTS

### Household Characteristics

- The size of farm households in the region averaged 4.85.
- About 90.37 percent of the households were headed by males. Average age of the household heads was 49 years.
- Around 98.33 percent of household heads had formal education. Elementary graduates comprised 13.95 percent of all household heads. About 14.62 percent were high school graduates. Almost 3 percent were college degree holders.
- Farming was the main occupation of 73.64 percent of household heads. Palay farmers were 23.01 percent, 16.32 percent coconut farmers and 2.09 percent corn farmers. The rest or 32.22 percent were producers of other crops.

### Farm Characteristics

- About 90.70 percent of the farm households were engaged in crop farming. Some 57.48 percent were also engaged in livestock and poultry raising.
- The average number of farm parcels operated by households was 1.46. Tenanted farm parcels comprised the biggest average size of 1.25 hectares. The smallest at 0.52 hectare were those held under CLT/CLOA.
- Around 46.65 percent of farm parcels were planted to temporary crops and 39.07 percent were under permanent crops.
- About 18.83 percent of the farm parcels were irrigated and 62.20 percent were serviced by communal irrigation system.
- Inventory of farm investments in the region averaged P2,176 for farm buildings and structures, P3,133 for farm machineries and transport equipment, and P691 for farm tools, equipment and other supplies. Investment for fishing implements averaged only P54.

### Farm Enterprise

- Majority or 61.54 percent of the households cultivated coconut. Another 38.10 percent planted palay and 29.30 percent grew banana. Some 63 percent had other permanent crops and 48.35 percent cultivated other temporary crops.
- Livestock and poultry were raised by most of the households as backyard farms.
- About 95.65 percent of the households were engaged in marine fishing and the remainder were into inland fishing.
- Only 5.98 percent of the households were engaged in handicraft and 1.66 percent were into cutflowers and ornamentals.

### Income and Expenditure Patterns

- Average annual income of farm households amounted to P143,075. About 45.08 percent of the farm household income or P64,498 came from farming. Non-farm income contributed 33.96 percent to total income which amounted to P48,590.
- More than half or 59.43 percent of the farm income came from crop farming and 28.81 percent from livestock and poultry raising.
- The biggest portion or 46.76 percent of income from crop farming came from the production of permanent crops. Income from palay production contributed 25.09 percent.
- By farm enterprise, capture fishing and aquaculture generated the highest net returns at P32,025. Net returns from crop farming amounted to P21,089. Livestock and poultry raising reported the least net returns of P848.
- Average annual expenditures of farm households amounted to P120,056. About 37.40 percent was spent on food and 34.10 percent on farming activities.
- Cereals shared 27.05 percent in the total food expenditures. Meat and meat preparations shared 21.33 percent while fish and marine products accounted for 16.62 percent.
- Recurring expenses of farm households at P12,882 shared 10.73 percent in total expenditures. Non-recurring expenses accounted for 17.77 percent which amounted to P21,335.

### Credit Information

- About 22.92 percent of farm households availed of loans worth less than P100,000. Biggest portion of borrowers at 35.71 percent availed loans for agricultural production.

### Access to Government Program

- Among farm households, 46.18 percent showed familiarity with government programs on crop farming. About 10.63 percent expressed awareness of programs on livestock and poultry raising and 3 percent, on capture fishing and aquaculture.
- About 4.35 percent of the households were benefited with programs on capture fishing and aquaculture development program.

## 4. INCOME AND EXPENDITURE PATTERNS

### 4.1 HOUSEHOLD INCOME

	Philippines	Region IVA
4.1.1 Average annual income of farm households by source	106,181	143,075
Farm	P 57,628	64,498
Off-farm	6,763	8,444
Non-farm	31,389	48,590
Other sources	10,401	21,543

4.1.2 Percentage distribution of farm income by enterprise		
Crop farming	73.21	59.43
Livestock and poultry raising	13.82	28.81
Capture fishing and aquaculture	12.05	10.10
Others	0.92	1.66

4.1.3 Percentage distribution of farm income from crop farming		
Palay	47.49	25.09
Corn	11.84	1.62
Other temporary crops	10.05	26.23
Coconut	11.35	14.68
Other permanent crops	18.65	32.08
Crop by-products	0.62	0.30

4.1.4 Production expenses and returns above cash expenses by farm enterprise*		
<b>Crop farming</b>		
Production expenses	P 27,268	21,173
Returns above cash expenses	36,807	35,603
<b>Livestock and poultry raising</b>		
Production expenses	P 9,608	31,294
Returns above cash expenses	5,396	10,800
<b>Capture fishing and aquaculture</b>		
Production expenses	P 23,982	40,617
Returns above cash expenses	35,402	51,779

4.1.5 Average net income by farm enterprise*		
Crop farming	P 18,012	21,089
Livestock and poultry raising	1,402	848
Capture fishing and aquaculture	21,896	32,025

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

### 3.3 CAPTURE FISHING

	Philippines	Region IVA
3.3.1 Percentage of households engaged in capture fishing by type		
Marine fishing	64.81	95.65
Inland fishing	31.71	4.35
Gathering of shells, aquarium fish, etc.	16.27	

### 3.4 SPECIAL AGRICULTURAL ACTIVITIES

	Philippines	Region IVA
3.4.1 Percentage of households engaged in special agricultural activities		
Cutflowers and ornamentals	0.31	1.66
Handicrafts <sup>1</sup>	0.52	5.98
Others <sup>2</sup>	1.06	0.66

<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

## 1. CHARACTERISTICS OF FARM HOUSEHOLDS

	Philippines	Region IVA
1.1 Average household size	5.07	4.85

1.2 Percentage distribution of household heads by sex		
Male	89.33	90.37
Female	10.67	9.63

	Philippines	Region IVA
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	43.85
Elementary graduate	16.45	18.27
High school level	14.13	13.95
High school graduate	13.78	14.62
Vocational	2.06	1.99
College level	5.17	2.66
College graduate	4.67	2.99
Post graduate	0.16	
No schooling	3.20	1.67

1.5 Percentage distribution of household heads by main occupation		
Officials of government	1.35	2.09
Professionals	0.98	0.42
Technicians and associate professionals	0.41	
Clerks	0.29	0.42
Service workers and shop and market sales workers	1.33	0.84
<b>FARMER</b>	<b>79.05</b>	<b>73.64</b>
Palay	35.77	23.01
Corn	12.01	2.09
Coconut	12.44	16.32
Others	18.83	32.22
Fishing	5.79	4.60
Trades and related workers	2.88	4.18
Plant and machine operators and assemblers	2.81	7.53
Laborers and unskilled workers	3.85	5.02
Special occupations	1.26	1.26

1.6 Percentage of household heads by membership in organization		
Community development	6.33	5.32
Consumer cooperative	0.69	0.33
Credit cooperative	1.56	0.33
Marketing cooperative	0.30	0.66
Multi-purpose cooperative	4.39	1.66
Producers cooperative	0.85	2.33
Service cooperative	1.78	0.66

## 2. FARM CHARACTERISTICS

	Philippines	Region IVA
2.1 Percentage of farm households by farm enterprise		
Crop farming	93.18	90.70
Livestock and poultry raising	72.42	57.48
Capture fishing and aquaculture	13.32	7.64
Special agricultural activities	1.89	8.31
Home processing of agricultural products	0.85	

2.2 Average number of farm parcels	1.66	1.46
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2.3 Average size of farm parcels by tenure (in hectare)		
Fully owned	1.08	1.10
Tenanted	1.03	1.25
Leased/rented	0.83	1.03
Rent free	0.56	0.87
Held under CLT/CLOA	0.98	0.52
Owner-like possession other than CLT / CLOA	0.81	0.74

2.4 Percentage distribution of farm parcels by location		
Within the city/municipality	97.56	98.43
Within the province	2.44	1.57

2.5 Percentage distribution of farm parcels by main use		
Homelot	21.34	12.50
Under temporary crop/s	55.15	46.65
Under permanent crop/s	21.35	39.07
Livestock farm	0.79	1.34
Poultry farm	0.19	
Aquaculture farm	0.69	
Others	0.48	0.45

2.6 Percentage share of irrigated farm parcels in total farm area	22.00	18.83
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2.7 Percentage distribution of irrigated farm parcels by source of irrigation		
National Irrigation System	29.96	15.85
Communal Irrigation System	35.69	62.20
Individual/Private Irrigation System	34.35	21.95

2.8 Average inventory of farm investments by major item		
Farm building and structures	P 2,057	2,176
Farm machineries and transport equipment	6,258	3,133
Farm tools, equipment and other supplies	1,216	691
Fishing gear	83	54

## 3. FARM ENTERPRISE

### 3.1 CROP FARMING

	Philippines	Region IVA
3.1.1 Percentage of households reporting on the type of crops grown		
Palay	59.81	38.10
Corn	35.70	12.09
Other temporary crops	43.29	48.35
Coconut	44.03	61.54
Banana	23.85	29.30
Mango	13.52	11.36
Other permanent crops	24.37	63.00

3.1.2 Percentage of households using inorganic fertilizer for palay and corn				
FERTILIZER	Palay	Corn	Palay	Corn
Urea	55.56	42.80	66.46	37.04
Ammonium phosphate	18.17	20.43	17.39	
Potassium chloride	1.85	0.80		
Complete	12.40	9.65	12.42	33.33
Others	40.63	33.29	34.16	25.93

3.1.3 Percentage of households applying pesticides for palay and corn				
PESTICIDE	Palay	Corn	Palay	Corn
Insecticides	60.34	11.86	62.73	22.22
Weedicides/herbicides	33.16	5.29	24.22	
Others	4.18	0.47	1.86	

### 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		26.49
Cattle	0.46	26.23	0.66	32.45
Hog	2.50	63.73	3.31	47.68
Goat	0.19	15.54		3.31
Others		4.63		29.80

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	2.91	86.41
Foreign/Layer chicken	0.37	8.57	0.97	3.88
Broiler	0.20	3.29	3.88	
Mallard	0.27	7.59		2.32
Others	0.34	7.06	0.97	14.56

\*Includes subsistence farming