



Republic of the Philippines
Department of Agriculture
BUREAU OF AGRICULTURAL STATISTICS



Socio-Economic Characteristics of Farm Households in Bicol Region



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6. ACCESS TO GOVERNMENT PROGRAMS

	Philippines	Region V
6.1 Percentage of households which were aware of government programs		
Crop farming	59.57	58.89
Livestock and poultry raising	15.84	21.63
Capture fishing and aquaculture	4.91	3.85

6.2 Percentage of households which were beneficiaries of government programs		
CROP FARMING		
Input subsidy	2.07	1.50
Crop management	6.28	4.75
LIVESTOCK AND POULTRY RAISING		
Artificial insemination	0.38	0.70
Production program ¹	1.99	1.75
Animal dispersal	4.91	4.56
CAPTURE FISHING AND AQUACULTURE		
Tilapia culture	0.96	
Credit assistance	0.27	
Provision of cages	0.82	2.17
Development program	5.46	4.35

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 Bicol Region**. 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	Region V
5.1 Percentage of households that availed loan		
Less than 100,000	22.34	19.71
100,000 - 600,000	0.59	0.48
More than 600,000	0.02	

5.2 Percentage of households that availed loan by purpose		
Agricultural production ¹	52.32	19.05
Education	19.71	15.48
Emergency purpose ²	14.02	11.90
Business	13.46	33.33
House constructions/repairs	7.05	16.67
Payment for other loans	1.92	5.95
Others ³	3.93	2.38

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	5.95
Without collateral	88.22	94.05

5.4 Percentage distribution of households that availed loan with and without guarantor		
With guarantor	9.78	9.52
Without guarantor	90.22	90.48

5.5 Percentage distribution of households that availed loan by type of amortization		
Cash	84.53	92.86
In-kind	11.46	5.95
Cash and in-kind	4.01	1.19

5.6 Percentage of households by actual usage of loan obtained		
Agricultural production ¹	49.46	20.00
Education	16.21	13.33
Emergency purpose ²	9.44	10.67
Business	10.53	14.67
House constructions/repairs	5.60	16.00
Payment for other loans	1.17	
Others ³	11.61	25.33

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	80.95
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4. INCOME AND EXPENDITURE PATTERNS (continuation)

4.2 HOUSEHOLD EXPENDITURES

	Philippines	Region V
4.2.1 Average annual expenditures of farm households	97,395	81,328
Farm	34,853	30,626
Food	40,187	34,690
Recurring expenses	9,726	6,910
Non-recurring expenses	12,629	9,102

4.2.2 Percentage distribution of annual household expenditures on food items		
Cereals	30.10	25.39
Cereal based products	5.98	8.36
Roots and tubers	1.63	2.59
Vegetables and spices	4.45	5.01
Fruits	2.99	3.54
Meat and meat preparations	19.82	18.49
Dairy and eggs	7.72	8.37
Fish and marine products	15.58	19.16
Coffee, chocolate and tea	2.83	2.38
Non-alcoholic beverages	2.60	1.40
Alcoholic beverages	2.56	2.47
Cigars and cigarettes	3.00	2.06
Other foods	0.74	0.79

4.2.3 Percentage distribution of annual household expenditures on recurring items		
Fuel, light and water	24.67	29.90
Household operations	23.88	16.47
Transportation and communication	18.30	18.32
Pocket money for children/others	18.82	16.38
Personal care and effects	11.52	13.50
Leisure and recreation	2.81	5.43

4.2.4 Percentage distribution of annual household expenditures on non-recurring items		
Clothing, shoes and other similar items	12.05	11.51
Education	42.30	50.70
Recreation	1.56	1.24
Medical care	9.82	11.61
Furniture/equipment	2.66	1.52
Income/business tax	2.64	1.31
Maintenance and repairs	4.88	4.42
Gifts and contributions	1.83	2.07
Special family occasions	2.51	1.80
Purchase/amortization of real property	1.70	2.15
Insurance/pre-need plans and other related expenses	1.53	0.44
Other non-recurring items	16.52	11.23

HIGHLIGHTS

Household Characteristics

- The size of farm households in the region averaged 5.19 members.
- About 90.87 percent of the households were headed by males. Average age of the household heads was 50 years.
- Almost all of household heads had formal education. Those who finished elementary education accounted for 26.20 percent. Around 13.22 percent were high school graduates while 3.37 percent were college degree holders.
- Farming was the main occupation of 79.18 percent of household heads. Palay farmers represented 27.60 percent of the household heads.

Farm Characteristics

- Of all farm households, 96.15 percent were engaged in crop farming. About 68.51 percent of the farm households were also into livestock and poultry raising.
- The average number of farm parcels operated by farm households was 1.49. Tenanted farm parcels comprised the biggest average size of 1.45 hectares. Fully owned farm parcels had an average size of 1.18 hectares while those held under CLT/CLOA averaged 1.10 hectares.
- Temporary crops occupied 45.36 percent of the farm parcels while 32.43 percent were under permanent crops.
- Only 14.60 percent of the farm parcels were irrigated. About 40.83 percent were serviced by communal irrigation system, 30 percent had individual irrigation and 29.17 percent were serviced by the National Irrigation Administration.
- Average inventory of farm investments amounted to P5,593 wherein farm machineries and transport equipment accounted for 67.28 percent.

Farm Enterprise

- Coconut was cultivated by 57.50 percent of the households while palay was grown by 53.25 percent.
- Backyard raising of hog and native chicken was reported by 74.17 percent and 94.38 percent of households, respectively.
- About 80.43 percent of the households were engaged in marine fishing and 19.57 percent were into inland fishing. About 13.51 percent of the households were engaged in fishpond operation.

Income and Expenditure Patterns

- Average annual income of farm households amounted to P82,988. About 44.08 percent or P36,579 of the household income came from farming. Non-farm income contributed 36.62 percent or P30,381 to total income.
- Seventy-five percent of farm income were sourced from crop farming. Palay production contributed 54.15 percent to total income from crop farming.
- By farm enterprise, capture fishing and aquaculture generated the highest net returns at P7,269. This amounted to P4,495 in crop farming and P690 in livestock and poultry raising.
- Annual expenditures of households averaged P81,328. The biggest portion was allocated for food at 42.66 percent followed by farm expenses at 37.66 percent.
- Cereals shared 25.39 percent in total food expenditures. Fish and marine products accounted for 19.16 percent while meat and meat preparations shared 18.49 percent.
- Recurring expenses comprised 8.50 percent of the total household expenditures with 29.90 percent were spent for fuel, light and water.
- Non-recurring expenses accounted for 11.19 percent of the total household expenses with 50.70 percent were spent for education of household members.

Credit Information

- About 20 percent of households availed of loans worth less than P100,000 while less than 1 percent availed of loans amounting to P100,000 to P600,000. One-third of the borrowers availed loans for business purposes.

Access to Government Program

- Awareness on government programs in crop farming was reported at 58.89 percent of farm households. About 21.63 percent showed awareness in livestock and poultry raising and 3.85 percent in capture fishing and aquaculture.
- Less than 5 percent each of households were benefited with government programs on crop production management, animal dispersal and development programs in capture fishing and aquaculture.

4. INCOME AND EXPENDITURE PATTERNS

4.1 HOUSEHOLD INCOME

	Philippines	Region V
4.1.1 Average annual income of farm households by source	106,181	82,988
Farm	P 57,628	36,579
Off-farm	6,763	7,348
Non-farm	31,389	30,381
Other sources	10,401	8,680

4.1.2 Percentage distribution of farm income by enterprise		
Crop farming	73.21	75.18
Livestock and poultry raising	13.82	18.96
Capture fishing and aquaculture	12.05	5.09
Others	0.92	0.77

4.1.3 Percentage distribution of farm income from crop farming		
Palay	47.49	54.15
Corn	11.84	5.84
Other temporary crops	10.05	2.36
Coconut	11.35	27.14
Other permanent crops	18.65	9.92
Crop by-products	0.62	0.59

4.1.4 Production expenses and returns above cash expenses		
Crop farming		
Production expenses	P 27,268	24,105
Returns above cash expenses	36,807	20,851
Livestock and poultry raising		
Production expenses	P 9,608	9,363
Returns above cash expenses	5,396	5,048
Capture fishing and aquaculture		
Production expenses	P 23,982	8,216
Returns above cash expenses	35,402	12,325

4.1.5 Average net income by farm enterprise*		
Crop farming	P 18,012	4,495
Livestock and poultry raising	1,402	690
Capture fishing and aquaculture	21,896	7,269

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

3.3 CAPTURE FISHING AND AQUACULTURE

	Philippines	Region V
3.3.1 Percentage of households engaged in capture fishing by type		
Marine fishing	64.81	80.43
Inland fishing	31.71	19.57
Gathering of shells, aquarium fish, etc.	16.27	8.70

3.3.2 Percentage of households engaged in aquaculture by type of farm		
Fishpond	15.24	13.51
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	
Handicrafts ¹	0.52	0.24
Others ²	1.06	1.92

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		
Cereal based products ¹	0.35	0.24
Fishery products ²	0.20	0.24
Meat products ³	0.04	0.24
Others ⁴	0.26	1.92

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 V
1.1 Average household size	5.07	5.19

1.2 Percentage distribution of household heads by sex		
Male	89.33	90.87
Female	10.67	9.13

1.3 Average age of household heads		
	49 years	50 years

1.4 Percentage distribution of household heads by educational attainment		
Elementary level	40.38	35.34
Elementary graduate	16.45	26.20
High school level	14.13	12.50
High school graduate	13.78	13.22
Vocational	2.06	2.16
College level	5.17	6.01
College graduate	4.67	3.37
Post graduate	0.16	0.24
No schooling	3.20	0.96

1.5 Percentage distribution of household heads by main occupation		
Officials of government	1.35	0.68
Professionals	0.98	0.90
Technicians and associate professionals	0.41	
Clerks	0.29	
Service workers and shop and market sales workers	1.33	0.68
FARMER	79.05	79.18
Palay	35.77	27.60
Corn	12.01	9.50
Coconut	12.44	18.10
Others	18.83	23.98
Fishing	5.79	3.85
Trades and related workers	2.88	4.07
Plant and machine operators and assemblers	2.81	4.53
Laborers and unskilled workers	3.85	5.66
Special occupations	1.26	0.45

1.6 Percentage of household heads by membership in organization		
Community development	6.33	4.57
Consumer cooperative	0.69	1.44
Credit cooperative	1.56	1.92
Marketing cooperative	0.30	0.24
Multi-purpose cooperative	4.39	1.68
Producers cooperative	0.85	0.24
Service cooperative	1.78	1.44

2. FARM CHARACTERISTICS

	Philippines	Region V
2.1 Percentage of farm households by farm enterprise		
Crop farming	93.18	96.15
Livestock and poultry raising	72.42	68.51
Capture fishing and aquaculture	13.32	11.06
Special agricultural activities	1.89	2.16
Home processing of agricultural products	0.85	2.64

2.2 Average number of farm parcels	1.66	1.49
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2.3 Average size of farm parcels by tenure (in hectare)		
Fully owned	1.08	1.18
Tenanted	1.03	1.45
Leased/rented	0.83	0.84
Rent free	0.56	0.56
Held under CLT/CLOA	0.98	1.10
Owner-like possession other than CLT / CLOA	0.81	1.01

2.4 Percentage distribution of farm parcels by location		
Within the city/municipality	97.56	99.03
Within the province	2.44	0.97

2.5 Percentage distribution of farm parcels by main use		
Homelot	21.34	19.97
Under temporary crop/s	55.15	45.36
Under permanent crop/s	21.35	32.43
Livestock farm	0.79	1.28
Poultry farm	0.19	0.16
Aquaculture farm	0.69	
Others	0.48	0.80

2.6 Percentage share of irrigated farm parcels in total farm area	22.00	14.60
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2.7 Percentage distribution of irrigated farm parcels by source of irrigation		
National Irrigation System	29.96	29.17
Communal Irrigation System	35.69	40.83
Individual/Private Irrigation System	34.35	30.00

2.8 Average inventory of farm investments by major item		
Farm building and structures	P 2,057	968
Farm machineries and transport equipment	6,258	3,763
Farm tools, equipment and other supplies	1,216	771
Fishing gear	83	91

3. FARM ENTERPRISE

3.1 CROP FARMING

	Philippines	Region V
3.1.1 Percentage of households reporting on the type of crops grown		
Palay	59.81	53.25
Corn	35.70	19.00
Other temporary crops	43.29	31.75
Coconut	44.03	57.50
Banana	23.85	16.75
Mango	13.52	10.50
Other permanent crops	24.37	14.50

3.1.2 Percentage of households using inorganic fertilizer for palay and corn				
FERTILIZER	Palay	Corn	Palay	Corn
Urea	55.56	42.80	68.07	19.44
Ammonium phosphate	18.17	20.43	13.87	2.78
Potassium chloride	1.85	0.80	1.26	
Complete	12.40	9.65	0.84	
Others	40.63	33.29	50.84	16.67

3.1.3 Percentage of households applying pesticides for palay and corn				
PESTICIDE	Palay	Corn	Palay	Corn
Insecticides	60.34	11.86	68.91	11.11
Weedicides/herbicides	33.16	5.29	36.55	
Others	4.18	0.47	3.78	

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	0.83	45.00
Cattle	0.46	26.23	0.42	11.67
Hog	2.50	63.73	0.83	74.17
Goat	0.19	15.54	0.42	4.17
Others		4.63		1.25

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	2.25	94.38
Foreign/Layer chicken	0.37	8.57		0.56
Broiler	0.20	3.29		1.69
Mallard	0.27	7.59		8.57
Others	0.34	7.06		3.37

*Includes subsistence farming