



Republic of the Philippines
Department of Agriculture
BUREAU OF AGRICULTURAL STATISTICS



Socio-Economic Characteristics of Farm Households in Cagayan Valley



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MAY 2006

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6. ACCESS TO GOVERNMENT PROGRAMS

	Philippines	Region II
6.1 Percentage of households which were aware of government programs		
Crop farming	59.57	81.69
Livestock and poultry raising	15.84	10.85
Capture fishing and aquaculture	4.91	3.39

6.2 Percentage of households which were beneficiaries of government programs		
CROP FARMING		
Input subsidy	2.07	8.74
Crop management	6.28	15.38
LIVESTOCK AND POULTRY RAISING		
Artificial insemination	0.38	0.79
Production program ¹	1.99	7.48
Animal dispersal	4.91	7.87
CAPTURE FISHING AND AQUACULTURE		
Tilapia culture	0.96	6.45
Credit assistance	0.27	
Provision of cages	0.82	
Development program	5.46	6.45

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 Cagayan Valley**. 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.


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5. CREDIT INFORMATION

	Philippines	Region II
5.1 Percentage of households that availed loan		
Less than 100,000	22.34	58.64
100,000 - 600,000	0.59	2.71
More than 600,000	0.02	

5.2 Percentage of households that availed loan by purpose		
Agricultural production ¹	52.32	78.42
Education	19.71	13.68
Emergency purpose ²	14.02	8.42
Business	13.46	1.58
House constructions/repairs	7.05	6.84
Payment for other loans	1.92	
Others ³	3.93	5.79

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	6.84
Without collateral	88.22	93.16

5.4 Percentage distribution of households that availed loan with and without guarantor		
With guarantor	9.78	2.63
Without guarantor	90.22	97.37

5.5 Percentage distribution of households that availed loan by type of amortization		
Cash	84.53	77.37
In-kind	11.46	17.37
Cash and in-kind	4.01	5.26

5.6 Percentage of households by actual usage of loan obtained		
Agricultural production ¹	49.46	74.21
Education	16.21	11.05
Emergency purpose ²	9.44	5.26
Business	10.53	1.58
House constructions/repairs	5.60	4.21
Payment for other loans	1.17	
Others ³	11.61	11.05

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	74.21
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4. INCOME AND EXPENDITURE PATTERNS (continuation)

4.2 HOUSEHOLD EXPENDITURES

	Philippines	Region II
4.2.1 Average annual expenditures of farm households	97,395	129,345
Farm	34,853	46,195
Food	40,187	50,201
Recurring expenses	9,726	14,051
Non-recurring expenses	12,629	18,898

4.2.2 Percentage distribution of annual household expenditures on food items		
Cereals	30.10	24.34
Cereal based products	5.98	6.13
Roots and tubers	1.63	1.01
Vegetables and spices	4.45	5.69
Fruits	2.99	2.78
Meat and meat preparations	19.82	27.36
Dairy and eggs	7.72	7.06
Fish and marine products	15.58	10.51
Coffee, chocolate and tea	2.83	3.61
Non-alcoholic beverages	2.60	3.47
Alcoholic beverages	2.56	3.36
Cigars and cigarettes	3.00	3.06
Other foods	0.74	1.62

4.2.3 Percentage distribution of annual household expenditures on recurring items		
Fuel, light and water	24.67	24.70
Household operations	23.88	25.78
Transportation and communication	18.30	15.78
Pocket money for children/others	18.82	20.91
Personal care and effects	11.52	10.05
Leisure and recreation	2.81	2.79

4.2.4 Percentage distribution of annual household expenditures on non-recurring items		
Clothing, shoes and other similar items	12.05	10.86
Education	42.30	39.08
Recreation	1.56	4.12
Medical care	9.82	9.08
Furniture/equipment	2.66	2.14
Income/business tax	2.64	3.02
Maintenance and repairs	4.88	2.73
Gifts and contributions	1.83	1.21
Special family occasions	2.51	1.46
Purchase/amortization of real property	1.70	4.72
Insurance/pre-need plans and other related expenses	1.53	2.02
Other non-recurring items	16.52	19.56

HIGHLIGHTS

Household Characteristics

- The size of farm households in the region averaged 5.03.
- About 89 percent of the households were headed by males. Average age of the household heads was 46 years.
- Almost all household heads had formal education. Those who finished elementary education comprised 13 percent while 15 percent were high school graduates. About 7 percent were college degree holders.
- Farming was the main occupation of 79 percent of household heads. Corn and palay farmers represented 39 percent and 38 percent of the household heads, respectively.
- Among household heads, 10 percent were members of organization on community development and 4 percent on multi-purpose cooperative.

Farm Characteristics

- Almost 97 percent of the farm households were engaged in crop farming while 86.10 percent were into livestock and poultry raising.
- The average number of farm parcels operated by farm households was 2.16. Leased/rented farm parcels recorded the biggest average size of 0.98 hectare. The smallest was 0.49 hectare operated under rent-free arrangement.
- Around 69 percent of the farm parcels were used for planting temporary crops while 27.27 percent were used as homelots.
- Only 33 percent of the region's farm area were irrigated with 44.97 percent serviced by the National Irrigation System (NIA).
- The value of the average inventory on farm investments was biggest at P12,212 in farm machineries and transport equipment, P4,434 for farm building and structures and P1,269 for farm tools, equipment and other supplies. Investments for fishing gear averaged only P135.

Farm Enterprise

- Palay and corn were the major crops grown in the region with 78 percent and 79 percent of households reporting, respectively.
- Backyard raising of livestock and poultry was common among households.
- About 51 percent of households were engaged in inland fishing while 28 percent were into gathering of shells, aquarium fish, etc. Those involved in marine fishing were 21 percent.
- Some 42 percent were engaged in fishpond operation.

Income and Expenditure Patterns

- Annual income of farm households averaged P145,809. Almost 60 percent of the farm household income or P87,353 came from farming. Non-farm income which amounted to P39,894 contributed 27 percent to total income.
- Almost 81 percent of the farm income were sourced from crop farming and 11 percent from livestock and poultry raising.
- About 51 percent of the farm income from crop farming came from palay production and 37 percent from corn production.
- By farm enterprise, crop farming generated the highest net returns to farm households at P35,459 followed by capture fishing and aquaculture at P18,880. Net income from livestock and poultry raising averaged P2,530.
- Annual household expenditures averaged P129,345. The biggest portion of household expenditures at 39 percent went to food expenses followed by farm expenses at 36 percent.
- Meat and meat preparations shared 27 percent in the total food expenditure while cereals accounted for 24 percent.
- Non-recurring expenses comprised 15 percent of the total household expenditures with 39 percent were spent for education.
- Recurring expenses accounted for almost 11 percent of the total household expenditures. Among the recurring items, household operations accounted for 26 percent of the expenses.

Credit Information

- About 59 percent of the farm households availed of loans worth less than P100,000. Biggest portion of borrowers at 78 percent availed loans for agricultural production.

Access to Government Program

- Awareness on government programs in crop farming was reported by 82 percent of farm households. About 11 percent of the households showed familiarity with programs for livestock and poultry raising and 3 percent on capture fishing and aquaculture.
- Farm households benefited with programs on crop farming accounted for 24 percent, 16 percent on livestock and poultry raising and almost 13 percent on capture fishing and aquaculture.

4. INCOME AND EXPENDITURE PATTERNS

4.1 HOUSEHOLD INCOME

	Philippines	Region II
4.1.1 Average annual income of farm households by source	106,181	145,809
Farm	P 57,628	87,353
Off-farm	6,763	6,909
Non-farm	31,389	39,894
Other sources	10,401	11,653

4.1.2 Percentage distribution of farm income by enterprise		
Crop farming	73.21	80.94
Livestock and poultry raising	13.82	11.20
Capture fishing and aquaculture	12.05	7.84
Others	0.92	0.02

4.1.3 Percentage distribution of farm income from crop farming		
Palay	47.49	51.03
Corn	11.84	36.60
Other temporary crops	10.05	5.50
Coconut	11.35	0.14
Other permanent crops	18.65	5.44
Crop by-products	0.62	1.29

4.1.4 Production expenses and returns above cash expenses by farm enterprise*		
Crop farming		
Production expenses	P 27,268	37,469
Returns above cash expenses	36,807	59,148
Livestock and poultry raising		
Production expenses	P 9,608	8,832
Returns above cash expenses	5,396	5,935
Capture fishing and aquaculture		
Production expenses	P 23,982	13,689
Returns above cash expenses	35,402	25,187

4.1.5 Average net income by farm enterprise*		
Crop farming	P 18,012	35,459
Livestock and poultry raising	1,402	2,530
Capture fishing and aquaculture	21,896	18,890

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

3.3 CAPTURE FISHING AND AQUACULTURE

	Philippines	Region II
3.3.1 Percentage of households engaged in capture fishing by type		
Marine fishing	64.81	21.05
Inland fishing	31.71	50.88
Gathering of shells, aquarium fish, etc.	16.27	28.07

3.3.2 Percentage of households engaged in aquaculture by type of farm		
Fishpond	15.24	41.67
Fishpen	0.21	
Fishcage	0.43	
Seaweed farming	13.73	
Hatchery	0.43	

3.4 SPECIAL AGRICULTURAL ACTIVITIES

3.4.1 Percentage of households engaged in special agricultural activities		
Cutflowers and ornamentals	0.31	0.68
Handicrafts ¹	0.52	
Others ²	1.06	

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

1. CHARACTERISTICS OF FARM HOUSEHOLDS

	Philippines	Region II
1.1 Average household size	5.07	5.03

1.2 Percentage distribution of household heads by sex		
Male	89.33	89.15
Female	10.67	10.85

1.3 Average age of household heads	49 years	46 years
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1.4 Percentage distribution of household heads by educational attainment		
Elementary level	40.38	40.68
Elementary graduate	16.45	12.88
High school level	14.13	13.22
High school graduate	13.78	14.58
Vocational	2.06	5.08
College level	5.17	6.44
College graduate	4.67	6.78
Post graduate	0.16	
No schooling	3.20	0.34

1.5 Percentage distribution of household heads by main occupation		
Officials of government	1.35	2.04
Professionals	0.98	1.23
Technicians and associate professionals	0.41	2.04
Clerks	0.29	1.22
Service workers and shop and market sales workers	1.33	1.22
FARMER	79.05	79.19
Palay	35.77	37.55
Corn	12.01	39.19
Coconut	12.44	
Others	18.83	2.45
Fishing	5.79	4.49
Trades and related workers	2.88	3.67
Plant and machine operators and assemblers	2.81	2.04
Laborers and unskilled workers	3.85	2.04
Special occupations	1.26	0.82

1.6 Percentage of household heads by membership in organization		
Community development	6.33	9.83
Consumer cooperative	0.69	1.02
Credit cooperative	1.56	3.39
Marketing cooperative	0.30	
Multi-purpose cooperative	4.39	4.07
Producers cooperative	0.85	
Service cooperative	1.78	2.71

2. FARM CHARACTERISTICS

	Philippines	Region II
2.1 Percentage of farm households by farm enterprise		
Crop farming	93.18	96.95
Livestock and poultry raising	72.42	86.10
Capture fishing and aquaculture	13.32	19.32
Special agricultural activities	1.89	0.68
Home processing of agricultural products	0.85	

2.2 Average number of farm parcels	1.66	2.16
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2.3 Average size of farm parcels by tenure (in hectare)		
Fully owned	1.08	0.73
Tenanted	1.03	0.80
Leased/rented	0.83	0.98
Rent free	0.56	0.49
Held under CLT/CLOA	0.98	0.69
Owner-like possession other than CLT / CLOA	0.81	0.98

2.4 Percentage distribution of farm parcels by location		
Within the city/municipality	97.56	98.58
Within the province	2.44	1.42

2.5 Percentage distribution of farm parcels by main use		
Homelot	21.34	27.27
Under temporary crop/s	55.15	68.50
Under permanent crop/s	21.35	2.98
Livestock farm	0.79	0.16
Poultry farm	0.19	
Aquaculture farm	0.69	0.31
Others	0.48	0.78

2.6 Percentage share of irrigated farm parcels in total farm area	22.00	33.35
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2.7 Percentage distribution of irrigated farm parcels by source of irrigation		
National Irrigation System	29.96	44.97
Communal Irrigation System	35.69	26.63
Individual/Private Irrigation System	34.35	28.40

2.8 Average inventory of farm investments by major item		
Farm building and structures	P 2,057	4,434
Farm machineries and transport equipment	6,258	12,212
Farm tools, equipment and other supplies	1,216	1,269
Fishing gear	83	135

3. FARM ENTERPRISE

3.1 CROP FARMING

	Philippines	Region II
3.1.1 Percentage of households reporting on the type of crops grown		
Palay	59.81	78.32
Corn	35.70	79.37
Other temporary crops	43.29	21.68
Coconut	44.03	11.19
Banana	23.85	9.44
Mango	13.52	11.54
Other permanent crops	24.37	8.40

3.1.2 Percentage of households using inorganic fertilizer for palay and corn				
FERTILIZER	Palay	Corn	Palay	Corn
Urea	55.56	42.80	70.25	78.81
Ammonium phosphate	18.17	20.43	19.01	21.85
Potassium chloride	1.85	0.80	1.65	
Complete	12.40	9.65	4.96	6.62
Others	40.63	33.29	49.59	60.26

3.1.3 Percentage of households applying pesticides for palay and corn				
PESTICIDE	Palay	Corn	Palay	Corn
Insecticides	60.34	11.86	73.14	29.80
Weedicides/herbicides	33.16	5.29	32.23	23.84
Others	4.18	0.47	6.61	

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	0.47	60.00
Cattle	0.46	26.23		22.80
Hog	2.50	63.73	0.93	57.21
Goat	0.19	15.54		8.38
Others		4.63		1.40

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		75.00
Foreign/Layer chicken	0.37	8.57	0.49	13.72
Broiler	0.20	3.29		5.88
Mallard	0.27	7.59	0.49	29.71
Others	0.34	7.06	0.49	4.90

*Includes subsistence farming