



Republic of the Philippines
Department of Agriculture
BUREAU OF AGRICULTURAL STATISTICS



Socio-Economic Characteristics of Farm Households in Davao Region



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 XI
6.1 Percentage of households which were aware of government programs		
Crop farming	59.57	75.89
Livestock and poultry raising	15.84	18.09
Capture fishing and aquaculture	4.91	0.35

6.2 Percentage of households which were beneficiaries of government programs		
CROP FARMING		
Input subsidy	2.07	0.36
Crop management	6.28	13.14
LIVESTOCK AND POULTRY RAISING		
Artificial insemination	0.38	
Production program ¹	1.99	0.87
Animal dispersal	4.91	2.60
CAPTURE FISHING AND AQUACULTURE		
Tilapia culture	0.96	
Credit assistance	0.27	
Provision of cages	0.82	
Development program	5.46	

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 Davao 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".

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	
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 XI
5.1 Percentage of households that availed loan		
Less than 100,000	22.34	17.73
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	48.00
Education	19.71	14.00
Emergency purpose ²	14.02	18.00
Business	13.46	10.00
House constructions/repairs	7.05	8.00
Payment for other loans	1.92	2.00
Others ³	3.93	12.00

¹Include crop, livestock and poultry production

²Includes hospitalization

³Include other purposes not elsewhere classified

5.3 Percentage distribution of households that availed loan with and without collateral		
With collateral	11.78	8.00
Without collateral	88.22	92.00

5.4 Percentage distribution of households that availed loan with and without guarantor		
With guarantor	9.78	4.00
Without guarantor	90.22	96.00

5.5 Percentage distribution of households that availed loan by type of amortization		
Cash	84.53	88.00
In-kind	11.46	10.00
Cash and in-kind	4.01	2.00

5.6 Percentage of households by actual usage of loan obtained		
Agricultural production ¹	49.46	36.00
Education	16.21	14.00
Emergency purpose ²	9.44	16.00
Business	10.53	4.00
House constructions/repairs	5.60	8.00
Payment for other loans	1.17	6.00
Others ³	11.61	18.00

¹Include crop, livestock and poultry production

²Includes hospitalization

³Include other purposes not elsewhere classified

5.7 Percentage of households that pay amortization on time	84.46	92.00
---	-------	-------

4. INCOME AND EXPENDITURE PATTERNS (continuation)

4.2 HOUSEHOLD EXPENDITURES

	Philippines	Region XI
4.2.1 Average annual expenditures of farm households	97,395	96,589
Farm	34,853	48,217
Food	40,187	31,191
Recurring expenses	9,726	6,415
Non-recurring expenses	12,629	10,766

4.2.2 Percentage distribution of annual household expenditures on food items		
Cereals	30.10	32.19
Cereal based products	5.98	5.50
Roots and tubers	1.63	1.37
Vegetables and spices	4.45	4.88
Fruits	2.99	3.12
Meat and meat preparations	19.82	15.57
Dairy and eggs	7.72	7.22
Fish and marine products	15.58	18.29
Coffee, chocolate and tea	2.83	2.60
Non-alcoholic beverages	2.60	3.39
Alcoholic beverages	2.56	2.55
Cigars and cigarettes	3.00	2.84
Other foods	0.74	0.48

4.2.3 Percentage distribution of annual household expenditures on recurring items		
Fuel, light and water	24.67	20.97
Household operations	23.88	25.29
Transportation and communication	18.30	20.30
Pocket money for children/others	18.82	14.87
Personal care and effects	11.52	13.02
Leisure and recreation	2.81	5.55

4.2.4 Percentage distribution of annual household expenditures on non-recurring items		
Clothing, shoes and other similar items	12.05	12.70
Education	42.30	30.28
Recreation	1.56	0.71
Medical care	9.82	9.52
Furniture/equipment	2.66	1.96
Income/business tax	2.64	2.68
Maintenance and repairs	4.88	1.84
Gifts and contributions	1.83	2.00
Special family occasions	2.51	3.53
Purchase/amortization of real property	1.70	9.67
Insurance/pre-need plans and other related expenses	1.53	0.74
Other non-recurring items	16.52	24.37

HIGHLIGHTS

Household Characteristics

- The size of farm households in the region averaged 5.01.
- Almost 94 percent of the households were headed by males. Average age of the household heads was 48 years.
- Around 97 percent of household heads had formal schooling. Those who completed elementary education comprised 13 percent while high school graduates were 7 percent. Only 2 percent finished college courses.
- Farming was the main occupation of 91 percent of household heads. Coconut farmers were 24 percent, 20 percent corn farmers and 14 percent palay farmers.
- Among the household heads, 18 percent were members in community development organizations.

Farm Characteristics

- Around 97 percent of the farm households were engaged in crop farming and 82 percent in livestock and poultry raising.
- The average number of farm parcels operated by households was 1.32. By tenurial status, fully owned farm parcels comprised the biggest average size of 2.22 hectares. Leased farm parcels had the smallest size of 0.96 hectare.
- Only 9 percent of the region's farm parcels were irrigated. There were 51 percent of irrigated parcels which were serviced by the National Irrigation System (NIA).
- Some 51 percent of farm parcels were under permanent crops and 42 percent planted to temporary crops.
- Average inventory of farm investments of households was valued at P4,348. Investments on farm machineries and transport equipment comprised 63 percent of the inventory.

Farm Enterprise

- Coconut was the crop grown by the majority or 54 percent of the households. Corn was also grown by 50 percent of households while only 22 percent planted palay.
- Hog and native chicken were raised by 65 percent and 82 percent of the households in backyard scale, respectively.
- All households in the region were engaged in marine fishing while 14 percent were into inland fishing.
- Around 29 percent of the households were engaged in fishpond operations and 7.14 percent were in fish hatchery operations.

Income and Expenditure Patterns

- Average annual income of farm households was P101,673. About 68 percent of the farm household income or P69,496 came from farming. Non-farm income contributed 17 percent to total income which amounted to P17,573.
- Almost 89 percent of the household income from farming came from crop production, of which 71 percent were from the production of permanent crops.
- By enterprise, farmers generated an average net income of P14,738 in crop production, P3,455 from capture fishing and aquaculture and P669 from livestock and poultry raising.
- Average annual expenditures of farm households was P96,589. The biggest portion at 50 percent went to farm expenses while food expenditures used up 32 percent.
- Cereals shared 32 percent in the total food expenditures while fish and marine products accounted for 18 percent. Expenses on meat and meat preparations was 16 percent of the total food expenditures.
- Recurring expenses comprised 7 percent of the total household expenditures while non-recurring expenses constituted 11 percent.

Credit Information

- About 18 percent of farm households availed of loans worth less than P100,000 with 48 percent of the borrowers availed loans for agricultural production.

Access to Government Program

- Awareness on government programs in crop farming was cited by 76 percent of farm households. However, only 13 percent were benefited with the program on crop management.
- About 18 percent of the households were aware of the government programs on livestock and poultry raising. Only 3 percent were benefited from animal dispersal and production programs of the government.

4. INCOME AND EXPENDITURE PATTERNS

4.1 HOUSEHOLD INCOME

	Philippines	Region XI
4.1.1 Average annual income of farm households by source	106,181	101,673
Farm	P 57,628	69,496
Off-farm	6,763	5,593
Non-farm	31,389	17,573
Other sources	10,401	9,011

4.1.2 Percentage distribution of farm income by enterprise		
Crop farming	73.21	88.95
Livestock and poultry raising	13.82	9.93
Capture fishing and aquaculture	12.05	0.99
Others	0.92	0.13

4.1.3 Percentage distribution of farm income from crop farming		
Palay	47.49	16.34
Corn	11.84	8.93
Other temporary crops	10.05	2.08
Coconut	11.35	8.31
Other permanent crops	18.65	62.98
Crop by-products	0.62	1.36

4.1.4 Production expenses and returns above cash expenses by farm enterprise*		
Crop farming		
Production expenses	P 27,268	48,883
Returns above cash expenses	36,807	45,193
Livestock and poultry raising		
Production expenses	P 9,608	7,754
Returns above cash expenses	5,396	4,978
Capture fishing and aquaculture		
Production expenses	P 23,982	7,314
Returns above cash expenses	35,402	8,099

4.1.5 Average net income by farm enterprise*		
Crop farming	P 18,012	14,738
Livestock and poultry raising	1,402	669
Capture fishing and aquaculture	21,896	3,455

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

3. FARM ENTERPRISE (continuation)

3.3 CAPTURE FISHING AND AQUACULTURE

	Philippines	Region XI
3.3.1 Percentage of households engaged in capture fishing by type		
Marine fishing	64.81	100.00
Inland fishing	31.71	14.29
Gathering of shells, aquarium fish, etc.	16.27	

3.3.2 Percentage of households engaged in aquaculture by type of farm	Philippines	Region XI
Fishpond	15.24	28.57
Fishpen	0.21	
Fishcage	0.43	
Seaweed farming	13.73	
Hatchery	0.43	7.14

3.4 SPECIAL AGRICULTURAL ACTIVITIES

3.4.1 Percentage of households engaged in special agricultural activities	Philippines	Region XI
Cutflowers and ornamentals	0.31	
Handicrafts ¹	0.52	
Others ²	1.06	0.71

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

1. CHARACTERISTICS OF FARM HOUSEHOLDS

	Philippines	Region XI
1.1 Average household size	5.07	5.01

1.2 Percentage distribution of household heads by sex	Philippines	Region XI
Male	89.33	93.62
Female	10.67	6.38

1.3 Average age of household heads	Philippines	Region XI
	49 years	48 years

1.4 Percentage distribution of household heads by educational attainment	Philippines	Region XI
Elementary level	40.38	50.70
Elementary graduate	16.45	13.48
High school level	14.13	16.67
High school graduate	13.78	7.09
Vocational	2.06	0.71
College level	5.17	6.38
College graduate	4.67	2.13
Post graduate	0.16	
No schooling	3.20	2.84

1.5 Percentage distribution of household heads by main occupation	Philippines	Region XI
Officials of government	1.35	0.94
Professionals	0.98	
Technicians and associate professionals	0.41	
Clerks	0.29	
Service workers and shop and market sales workers	1.33	
FARMER	79.05	91.17
Palay	35.77	14.20
Corn	12.01	19.56
Coconut	12.44	23.97
Others	18.83	33.44
Fishing	5.79	1.89
Trades and related workers	2.88	1.58
Plant and machine operators and assemblers	2.81	1.58
Laborers and unskilled workers	3.85	2.52
Special occupations	1.26	0.32

1.6 Percentage of household heads by membership in organization	Philippines	Region XI
Community development	6.33	18.44
Consumer cooperative	0.69	1.06
Credit cooperative	1.56	3.90
Marketing cooperative	0.30	0.35
Multi-purpose cooperative	4.39	4.61
Producers cooperative	0.85	
Service cooperative	1.78	2.84

2. FARM CHARACTERISTICS

	Philippines	Region XI
2.1 Percentage of farm households by farm enterprise		
Crop farming	93.18	97.16
Livestock and poultry raising	72.42	81.91
Capture fishing and aquaculture	13.32	4.96
Special agricultural activities	1.89	0.71
Home processing of agricultural products	0.85	
2.2 Average number of farm parcels		
	1.66	1.32
2.3 Average size of farm parcels by tenure (in hectare)		
Fully owned	1.08	2.22
Tenanted	1.03	1.76
Leased/rented	0.83	0.96
Rent free	0.56	1.02
Held under CLT/CLOA	0.98	1.57
Owner-like possession other than CLT / CLOA	0.81	1.29
2.4 Percentage distribution of farm parcels by location		
Within the city/municipality	97.56	100.00
Within the province	2.44	
2.5 Percentage distribution of farm parcels by main use		
Homelot	21.34	6.20
Under temporary crop/s	55.15	41.78
Under permanent crop/s	21.35	50.94
Livestock farm	0.79	0.54
Poultry farm	0.19	
Aquaculture farm	0.69	
Others	0.48	0.54
2.6 Percentage share of irrigated farm parcels in total farm area		
	22.00	8.61
2.7 Percentage distribution of irrigated farm parcels by source of irrigation		
National Irrigation System	29.96	50.95
Communal Irrigation System	35.69	28.30
Individual/Private Irrigation System	34.35	20.75
2.8 Average inventory of farm investments by major item		
Farm building and structures	P 2,057	894
Farm machineries and transport equipment	6,258	2,759
Farm tools, equipment and other supplies	1,216	674
Fishing gear	83	21

3. FARM ENTERPRISE

3.1 CROP FARMING

	Philippines	Region XI
3.1.1 Percentage of households reporting on the type of crops grown		
Palay	59.81	22.26
Corn	35.70	50.36
Other temporary crops	43.29	28.82
Coconut	44.03	53.65
Banana	23.85	38.32
Mango	13.52	8.03
Other permanent crops	24.37	31.74

3.1.2 Percentage of households using inorganic fertilizer for palay and corn				
FERTILIZER	Palay	Corn	Palay	Corn
Urea	55.56	42.80	38.53	33.61
Ammonium phosphate	18.17	20.43	24.77	22.13
Potassium chloride	1.85	0.80	2.75	
Complete	12.40	9.65	19.27	5.74
Others	40.63	33.29	17.43	33.61

3.1.3 Percentage of households applying pesticides for palay and corn				
PESTICIDE	Palay	Corn	Palay	Corn
Insecticides	60.34	11.86	52.29	6.56
Weedicides/herbicides	33.16	5.29	30.28	5.74
Others	4.18	0.47	4.59	0.82

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		34.93
Cattle	0.46	26.23		15.79
Hog	2.50	63.73		64.59
Goat	0.19	15.54		33.01
Others		4.63		9.09

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		81.77
Foreign/Layer chicken	0.37	8.57		2.94
Broiler	0.20	3.29		
Mallard	0.27	7.59		1.87
Others	0.34	7.06		17.05

*Includes subsistence farming