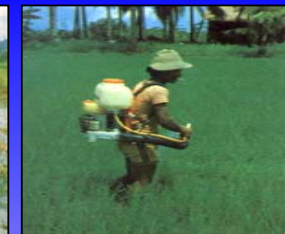




Republic of the Philippines  
**Department of Agriculture**  
**BUREAU OF AGRICULTURAL STATISTICS**



## Socio-Economic Characteristics of Farm Households in SOCCSKSARGEN



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 XII
6.1 Percentage of households which were aware of government programs		
Crop farming	59.57	70.45
Livestock and poultry raising	15.84	16.29
Capture fishing and aquaculture	4.91	1.14

6.2 Percentage of households which were beneficiaries of government programs		
<b>CROP FARMING</b>		
Input subsidy	2.07	6.64
Crop management	6.28	5.08
<b>LIVESTOCK AND POULTRY RAISING</b>		
Artificial insemination	0.38	
Production program <sup>1</sup>	1.99	3.32
Animal dispersal	4.91	3.79
<b>CAPTURE FISHING AND AQUACULTURE</b>		
Tilapia culture	0.96	
Credit assistance	0.27	
Provision of cages	0.82	14.29
Development program	5.46	

<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 SOCCSKSARGEN**. 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

<b>FOREWORD</b> .....	i
<b>TABLE OF CONTENTS</b> .....	ii
<b>HIGHLIGHTS</b> .....	iii
<b>1. CHARACTERISTICS OF FARM HOUSEHOLDS</b> .....	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	
<b>2. FARM CHARACTERISTICS</b> .....	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	
<b>3. FARM ENTERPRISE</b> .....	3
3.1 Crop Farming	
3.2 Livestock and Poultry Raising	
3.3 Capture Fishing and Aquaculture	
3.4 Special Agricultural Activities and Home Processing of Agricultural Products	
<b>4. INCOME AND EXPENDITURE PATTERNS</b> .....	5
4.1 Household Income	
4.2 Household Expenditures	
<b>5. CREDIT INFORMATION</b> .....	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	
<b>6. ACCESS TO GOVERNMENT PROGRAMS</b> .....	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 XII
<b>5.1 Percentage of households that availed loan</b>		
Less than 100,000	22.34	49.24
100,000 - 600,000	0.59	
More than 600,000	0.02	

<b>5.2 Percentage of households that availed loan by purpose</b>		
Agricultural production <sup>1</sup>	52.32	78.46
Education	19.71	17.69
Emergency purpose <sup>2</sup>	14.02	7.69
Business	13.46	3.85
House constructions/repairs	7.05	1.54
Payment for other loans	1.92	
Others <sup>3</sup>	3.93	1.54

<sup>1</sup> Include crop, livestock and poultry production

<sup>2</sup> Includes hospitalization

<sup>3</sup> Include other purposes not elsewhere classified

<b>5.3 Percentage distribution of households that availed loan with and without collateral</b>		
With collateral	11.78	6.15
Without collateral	88.22	93.85

<b>5.4 Percentage distribution of households that availed loan with and without guarantor</b>		
With guarantor	9.78	8.46
Without guarantor	90.22	91.54

<b>5.5 Percentage distribution of households that availed loan by type of amortization</b>		
Cash	84.53	86.92
In-kind	11.46	5.39
Cash and in-kind	4.01	7.69

<b>5.6 Percentage of households by actual usage of loan obtained</b>		
Agricultural production <sup>1</sup>	49.46	74.55
Education	16.21	11.82
Emergency purpose <sup>2</sup>	9.44	4.55
Business	10.53	1.82
House constructions/repairs	5.60	1.82
Payment for other loans	1.17	
Others <sup>3</sup>	11.61	5.45

<sup>1</sup> Include crop, livestock and poultry production

<sup>2</sup> Includes hospitalization

<sup>3</sup> Include other purposes not elsewhere classified

<b>5.7 Percentage of households that pay amortization on time</b>	84.46	80.77
---	-------	-------

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

##### 4.2 HOUSEHOLD EXPENDITURES

	Philippines	Region XII
4.2.1 Average annual expenditures of farm households	97,395	124,884
Farm P	34,853	56,726
Food	40,187	39,391
Recurring expenses	9,726	16,726
Non-recurring expenses	12,629	12,041

4.2.2 Percentage distribution of annual household expenditures on food items		
Cereals	30.10	33.42
Cereal based products	5.98	5.14
Roots and tubers	1.63	1.17
Vegetables and spices	4.45	3.55
Fruits	2.99	3.41
Meat and meat preparations	19.82	19.77
Dairy and eggs	7.72	6.25
Fish and marine products	15.58	15.85
Coffee, chocolate and tea	2.83	2.88
Non-alcoholic beverages	2.60	2.93
Alcoholic beverages	2.56	2.33
Cigars and cigarettes	3.00	3.15
Other foods	0.74	0.15

4.2.3 Percentage distribution of annual household expenditures on recurring items		
Fuel, light and water	24.67	12.54
Household operations	23.88	33.34
Transportation and communication	18.30	17.23
Pocket money for children/others	18.82	22.74
Personal care and effects	11.52	10.28
Leisure and recreation	2.81	3.88

4.2.4 Percentage distribution of annual household expenditures on non-recurring items		
Clothing, shoes and other similar items	12.05	14.53
Education	42.30	48.25
Recreation	1.56	1.17
Medical care	9.82	7.43
Furniture/equipment	2.66	3.25
Income/business tax	2.64	4.40
Maintenance and repairs	4.88	4.21
Gifts and contributions	1.83	1.01
Special family occasions	2.51	2.69
Purchase/amortization of real property	1.70	0.22
Insurance/pre-need plans and other related expenses	1.53	0.20
Other non-recurring items	16.52	12.66

## HIGHLIGHTS

### Household Characteristics

- The size of farm households in the region averaged 5.01.
- About 90.15 percent of the households were headed by males. Average age of household heads was 46 years.
- About 87.12 percent of household heads had formal education. Elementary and high school graduates accounted 20.45 percent and 15.15 percent, respectively. College degree holders comprised only 1.89 percent.
- Farming was the main occupation of 86.57 percent of household heads. About 43.98 percent of the household heads were palay farmers and 22.69 percent were corn producers.

### Farm Characteristics

- Among farm households in the region, 96.97 percent were engaged in crop farming, 79.92 percent were also in livestock and poultry raising, and 6.82 percent in capture fishing and aquaculture.
- The average number of farm parcels managed by households was 1.38. Parcels held under CLT/CLOA had the biggest average size of 1.83 hectares. The smallest at 0.88 hectare were operated under rent-free arrangement.
- In SOCCSKSARGEN, 69.23 percent of the farm parcels were mainly planted to temporary crops.
- Irrigated farm parcels in the region shared 29.78 percent in total farm parcels. About 45.45 percent were serviced by communal irrigation system.
- Average inventory on farm investments of farm households was valued at P9,286. Farm machineries and transport equipment comprised 71.69 percent of all investments.

### Farm Enterprise

- The major crop grown by households in SOCCSKSARGEN was palay with 56.64 percent of households reporting. Corn was planted by another 46.48 percent of households.
- Most of the households raised livestock and poultry as backyard farms. Less than 2 percent reporting on commercial scale.
- Among the farm households, 55.56 percent were engaged in inland fishing while 44.44 percent were into marine fishing.
- About 25 percent of households were engaged in fishpond operation.

### Income and Expenditure Patterns

- Average annual income of farm households was P134,406. Of this amount, 62.74 percent was derived from farming, 25.04 percent from non-farming occupation, 6.96 percent from off-farm activities and the remainder was from other sources like pension, etc.
- Of the total farm income, 87.96 percent came from crop farming with 43.15 percent from palay production while 19.17 percent, from corn farming.
- By farm enterprise, crop farming generated the highest net returns to farmers at P25,655. Net income derived from capture fishing and aquaculture was P11,211. From livestock and poultry raising, it was P1,756.
- Average annual household expenditures amounted to P124,884. Of this amount, 45.42 percent or P56,726 was allocated to farm expenses and 31.54 percent or P39,391 was spent on food.
- Of the total food expenditures, cereals shared 33.42 percent. Meat and meat preparations comprised 19.77 percent while fish and marine products accounted 15.85 percent.
- Recurring expenses shared 13.39 percent to total expenditures while non-recurring expenses accounted for 9.64 percent.

### Credit Information

- About 49.24 percent of farm households availed of loans worth less than P100,000. Biggest portion of borrowers at 78.46 percent availed loan for agricultural production.

### Access to Government Program

- Awareness on government programs on crop farming was cited by 70.45 percent of farm households. About 16.29 percent of the households showed familiarity with programs on livestock and poultry raising and 1.14 percent on capture fishing and aquaculture.
- Among households, 14.29 percent were benefited by the provision of fish cages, 6.64 percent availed of input subsidy and 5.08 percent were benefited with crop management.

## 4. INCOME AND EXPENDITURE PATTERNS

### 4.1 HOUSEHOLD INCOME

	Philippines	Region XII
4.1.1 Average annual income of farm households by source	106,181	134,406
Farm	57,628	84,331
Off-farm	6,763	9,347
Non-farm	31,389	33,658
Other sources	10,401	7,070

4.1.2 Percentage distribution of farm income by enterprise		
Crop farming	73.21	87.96
Livestock and poultry raising	13.82	8.97
Capture fishing and aquaculture	12.05	2.87
Others	0.92	0.21

4.1.3 Percentage distribution of farm income from crop farming		
Palay	47.49	43.15
Corn	11.84	19.17
Other temporary crops	10.05	7.29
Coconut	11.35	3.54
Other permanent crops	18.65	26.26
Crop by-products	0.62	0.59

4.1.4 Production expenses and returns above cash expenses by farm enterprise*		
<b>Crop farming</b>		
Production expenses	P 27,268	50,830
Returns above cash expenses	36,807	64,776
<b>Livestock and poultry raising</b>		
Production expenses	P 9,608	7,707
Returns above cash expenses	5,396	5,477
<b>Capture fishing and aquaculture</b>		
Production expenses	P 23,982	12,480
Returns above cash expenses	35,402	19,787

4.1.5 Average net income by farm enterprise*		
Crop farming	P 18,012	25,655
Livestock and poultry raising	1,402	1,752
Capture fishing and aquaculture	21,896	11,211

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

### 3. FARM ENTERPRISE (continuation)

#### 3.3 CAPTURE FISHING AND AQUACULTURE

	Philippines	Region XII
3.3.1 Percentage of households engaged in capture fishing by type		
Marine fishing	64.81	44.44
Inland fishing	31.71	55.56
Gathering of shells, aquarium fish, etc.	16.27	

3.3.2 Percentage of households engaged in aquaculture by type of farm		
Fishpond	15.24	25.00
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	0.76
Handicrafts <sup>1</sup>	0.52	
Others <sup>2</sup>	1.06	0.76

<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	0.38

<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 pili nut candies

### 1. CHARACTERISTICS OF FARM HOUSEHOLDS

	Philippines	Region XII
1.1 Average household size	5.07	5.01

1.2 Percentage distribution of household heads by sex		
Male	89.33	90.15
Female	10.67	9.85

1.3 Average age of household heads	49 years	46 years
------------------------------------	----------	----------

1.4 Percentage distribution of household heads by educational attainment		
Elementary level	40.38	26.14
Elementary graduate	16.45	20.45
High school level	14.13	13.64
High school graduate	13.78	15.15
Vocational	2.06	1.52
College level	5.17	8.33
College graduate	4.67	1.89
Post graduate	0.16	
No schooling	3.20	12.88

1.5 Percentage distribution of household heads by main occupation		
Officials of government	1.35	
Professionals	0.98	0.46
Technicians and associate professionals	0.41	1.39
Clerks	0.29	
Service workers and shop and market sales workers	1.33	2.32
<b>FARMER</b>	<b>79.05</b>	<b>86.57</b>
Palay	35.77	43.98
Corn	12.01	22.69
Coconut	12.44	8.33
Others	18.83	11.57
Fishing	5.79	2.78
Trades and related workers	2.88	1.85
Plant and machine operators and assemblers	2.81	1.39
Laborers and unskilled workers	3.85	1.85
Special occupations	1.26	1.39

1.6 Percentage of household heads by membership in organization		
Community development	6.33	5.68
Consumer cooperative	0.69	0.38
Credit cooperative	1.56	2.65
Marketing cooperative	0.30	
Multi-purpose cooperative	4.39	3.79
Producers cooperative	0.85	
Service cooperative	1.78	8.33



## 2. FARM CHARACTERISTICS

	Philippines	Region XII
2.1 Percentage of farm households by farm enterprise		
Crop farming	93.18	96.97
Livestock and poultry raising	72.42	79.92
Capture fishing and aquaculture	13.32	6.82
Special agricultural activities	1.89	1.52
Home processing of agricultural products	0.85	0.38

2.2 Average number of farm parcels	1.66	1.38
------------------------------------	------	------

2.3 Average size of farm parcels by tenure (in hectare)		
Fully owned	1.08	1.44
Tenanted	1.03	1.02
Leased/rented	0.83	1.12
Rent free	0.56	0.88
Held under CLT/CLOA	0.98	1.83
Owner-like possession other than CLT / CLOA	0.81	1.17

2.4 Percentage distribution of farm parcels by location		
Within the city/municipality	97.56	96.99
Within the province	2.44	3.01

2.5 Percentage distribution of farm parcels by main use		
Homelot	21.34	17.24
Under temporary crop/s	55.15	69.23
Under permanent crop/s	21.35	11.41
Livestock farm	0.79	0.80
Poultry farm	0.19	
Aquaculture farm	0.69	1.06
Others	0.48	0.27

2.6 Percentage share of irrigated farm parcels in total farm area	22.00	29.78
---	-------	-------

2.7 Percentage distribution of irrigated farm parcels by source of irrigation		
National Irrigation System	29.96	38.64
Communal Irrigation System	35.69	45.45
Individual/Private Irrigation System	34.35	15.91

2.8 Average inventory of farm investments by major item		
Farm building and structures P	2,057	1,624
Farm machineries and transport equipment	6,258	6,657
Farm tools, equipment and other supplies	1,216	971
Fishing gear	83	34

## 3. FARM ENTERPRISE

### 3.1 CROP FARMING

	Philippines	Region XII
3.1.1 Percentage of households reporting on the type of crops grown		
Palay	59.81	56.64
Corn	35.70	46.48
Other temporary crops	43.29	33.99
Coconut	44.03	33.20
Banana	23.85	13.67
Mango	13.52	15.23
Other permanent crops	24.37	21.88

3.1.2 Percentage of households using inorganic fertilizer for palay and corn				
<b>FERTILIZER</b>	Palay	Corn	Palay	Corn
Urea	55.56	42.80	65.90	85.59
Ammonium phosphate	18.17	20.43	18.50	26.27
Potassium chloride	1.85	0.80	2.89	1.69
Complete	12.40	9.65	27.75	23.73
Others	40.63	33.29	35.26	51.69

3.1.3 Percentage of households applying pesticides for palay and corn				
<b>PESTICIDE</b>	Palay	Corn	Palay	Corn
Insecticides	60.34	11.86	72.83	10.17
Weedicides/herbicides	33.16	5.29	60.12	13.56
Others	4.18	0.47	2.89	

### 3.2 LIVESTOCK AND POULTRY RAISING

3.2.1 Percentage of households raising livestock by purpose/farm type				
<b>LIVESTOCK</b>	Comm'l.	Backyard*	Comm'l.	Backyard*
Carabao	0.37	40.44	1.17	54.97
Cattle	0.46	26.23		24.56
Hog	2.50	63.73	1.17	53.80
Goat	0.19	15.54		16.38
Others		4.63		7.01

3.2.2 Percentage of households raising poultry by purpose/farm type				
<b>POULTRY</b>	Comm'l.	Backyard*	Comm'l.	Backyard*
Native chicken	1.11	83.26		43.21
Foreign/Layer chicken	0.37	8.57	0.62	9.88
Broiler	0.20	3.29	0.62	30.87
Mallard	0.27	7.59	0.62	27.28
Others	0.34	7.06	0.62	13.59

\*Includes subsistence farming