

ECONOMIC PROFILE OF HOUSEHOLDS IN AGRICULTURE AND FISHERY

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INTRODUCTION

Agriculture and fishing are dominant sectors in the Philippines. Their combined contribution to the gross domestic product (GDP) at 1972 prices is estimated at approximately 27.2 percent in the last five years. They provide also the source of livelihood of more than 50 percent of the households in the country. These households derive their income totally or partially as operator or wage and salary workers in agriculture or fishery production. The combined employment of these sectors accounts for about 50 percent of total employment, although, most of them are underutilized in terms of time spent in actual production. In addition, other households mostly landowners derive income from the rental of land and other forms of capital used in these sectors.

Households in agriculture and fishery sectors, however, receive lower income than those who derive their income from other activities. For period 1980-1983, 4th quarter Integrated Survey of Household (ISH) the estimated mean income of families in these sectors ranged from 47 to 58 percent of the mean income of families dependent on other sources. It is not surprising, therefore, that among the identified poverty groups are the families classified under these sectors. A closer look into their economic status was therefore found necessary to provide planners and policy makers the basis for policy decisions addressed to them.

The study attempted to examine the income status of households classified under these sectors using the

third and fourth quarters of the Integrated Survey of Households (ISH) of the National Statistics Office for the years 1980 until 1983. These data were supplemented by the results of the 1980 Census of Agriculture and the 1985 Family Income and Expenditure Survey (FIES). The households were disaggregated to show farmers engaged in palay, corn sugarcane, coconut and fishery production.

AGRICULTURE AND FISHERY HOUSEHOLDS

For the period 1980 to 1983, between 48 to 51 percent of the total households have at least one member engaged as operator in agriculture or fishery production. This is about 4.2 to 4.8 million households. In addition, there are about 380 to 510 thousand who do not operate a farm or fishing activities but are paid as workers or employee in these sectors. Among these households are the landless agricultural workers. All these households with members who derive income from employment in agriculture and fishery add up to 4.7 to 5.1 million or 54 to 55 percent of the total households.

Based on the 1983 fourth quarter ISH data, Region 6 has the highest number of agricultural and fishery households with 553 thousand or about 11.6 percent of total agricultural and fishery households. This is followed by Region 4, with 548 thousand households; Region 7 with 433 thousand households; and Region 5 with 430 thousand households. Metro Manila has the least number with 13 thousand households, mostly engaged in livestock and poultry raising, and fishing.

Region 12 ranked first in economic dependency in agriculture with 77.4 percent of total household engaged in agriculture and fishery production. This is followed by Region 2 with 70.1 percent, Region 8 with 68.7 percent, Region 5 with 66.8 percent, and Region 9 with 65.1 percent. Metro Manila has the lowest dependency at 1.1 percent.

Among the agricultural households, those engaged in palay production account for the highest number of households at 1,782 thousand, followed by corn, (713 thousand households), coconut (699 thousand households), other crops (1,688 thousands households) and fishery (481 thousand households), livestock and poultry (366 thousand households), and sugarcane (34 thousand households). Households dependent on income from wages and salaries from agricultural employment numbered at 382 thousand.

In terms of family size, the mean household size of agricultural household is 5.71 members as against the national average of 5.6 persons per households. Fishing households ranked first in family size with 6.1 person per households, followed by sugarcane with 5.9 and corn at 5.8 persons per household. Households in agricultural wages and salaries worker have the least number of members at 5.5 members.

Mean income of households with operators or wage and salary workers in agriculture and fishery for the fourth quarter of 1983 was estimated at P3,937 while those in non-agriculture was P7,666. This implies that on the average, the income of agricultural and fishery households is only 51 percent of what non-agricultural households receive. Among them, groups with low mean incomes are those primarily engaged in corn production (P2,143 per quarter), other crops (P3,038), agricultural wage and salary workers (P3,281), coconut (P3,793) and fishing (P3,862). The households with the highest mean

income were those engaged in manufacturing, numbering about 139 thousand, with an income of P9,949 for the quarter.

PALAY FARM HOUSEHOLD

Household engaged in palay production account for about 30 to 40 percent of total households in agriculture and fishing or 19 to 22 percent of total households in the country. They are found in practically all the regions in the country.

The 1980 Census of Agriculture showed that the modal size of palay farm is 1-1.99 hectares. All the farms of this size account for 31 percent of total palay farms. These farms, together with those of smaller sizes account for 53 percent of total palay farmers but provide only 33 percent of the total harvest in 1980. The data showed also that there are still palay farms of size more than 25 hectares or more. This numbers to 7,433 farms and account for about 2.5 percent of total production for 1980.

On the average, about 47 to 59 percent of total household income were derived from palay production. The other major sources come from rental of property, assistance on related farms. These account for about 17 to 25 percent of total palay farm households income. Wages and salaries from both agricultural and non-agricultural employment ranked as the third major source of income for these households.

CORN FARM HOUSEHOLDS

The 1980 Census of Agriculture recorded a total of 1.27 million corn farms ranging from sizes 0.1 to more than 25 hectares. Of these, the most predominant farm size is 1-1.99 hectares. These farms, together with the other smaller farms, accounted for 46 percent of all corn farms although their share to total production was only 23 percent.

Corn farmers appeared to be the most disadvantaged farmer groups. For all the 3rd and 4th quarters of the period 1980-1983, the income per household is lowest for these engaged in corn production. Even during quarter of peak production, these households still showed the lowest income level.

The share of income of these households from corn production is estimated to be about 36 to 54 percent of total income. Other sources of income such as assistance from other households and property income ranked as the second major source of income of corn household. This is followed by wages and salaries from agriculture and non-agricultural activities. Income from non-agricultural entrepreneurial activities account for 4-19 percent of their total income and about 3 to 5 percent come from other agricultural and fishing activities.

SUGARCANE HOUSEHOLDS

Sugarcane farm operators are either tenant, owners or managers of individuals or corporation and cooperatives. Using this operational definition, sugarcane farms showed the most unequal with respect to farms and production. The 1980 Census of Agriculture data showed that 56.2 percent of total farm (i.e. farm households) have size less than 3 hectares and this account for 5.8 of total sugarcane production in 1980. Those with size 25 hectares or more account only for 4.1 of total number of farms although they produce 32.1 percent of total output.

Being a seasonal crop, income of sugarcane farm households fluctuates, the harvest season starts in September to April of the next year. During the 4th quarter of 1983, the average household income was estimated at P7,833, a level almost twice that of the average household income of agricultural households. During harvest seasons sugarcane households get 45 to 73 percent of

their income from sugarcane and supplemented with the income from property and assistance (10 to 31 percent), and wages and salaries (9 to 14 percent). However, during off-season, these households depend more on other entrepreneurial activities (3 to 22 percent), paid employment (8-27 percent), and other sources, (14 to 65 percent).

COCONUT FARM HOUSEHOLDS

Coconut farmers are found mostly in Southern Luzon, Visayas and Mindanao. The 1980 Census of Agriculture showed Southern Tagalog (Region 4) as the region with the highest number of productive trees, although Southern Mindanao (Region XI) recorded the highest production at 19 million nuts. By province, Leyte showed the highest number of productive trees with 15 million trees, followed by Zamboanga del Sur with 11 million and Northern Samar with 10 million productive trees.

Recorded production, however, showed that Quezon has the highest, with 9.5 million nuts, followed by Davao del Sur at 7.3 million and Zamboanga del Norte at 4.2 million nuts. Because of various factors including vulnerability to typhoon, coconut production is not always determined by the number of productive trees in the province or region.

Farm households in coconut production derive 39 to 57 percent of their income from coconut. This income is supplemented by wages and salaries (11 to 22 percent), fishery (4 to 7 percent), other non-employment income (17 to 27 percent) and the rest from other agricultural and non-agricultural entrepreneurial activities.

LIVESTOCK AND POULTRY FARM HOUSEHOLD

Livestock and poultry farm households comprised about 4 to 8 percent of households engaged in agricul-

ture and fishery. They are found in Region I, II, IV and VI. With the recent increase in the involvement of integrated activities, corporations in food processing are also into livestock and poultry raising. Hence the share of livestock and poultry production of households has lessened.

For the fourth quarter of 1983, an estimate of 366 thousand households were engaged in livestock and poultry production. Their income from these activities account for only 19 to 37 percent of total household income. Greater share of their income come from wages and salaries (20 to 29 percent) and other sources (17 to 27 percent). Among the agricultural household group, they are among those with comparatively high income with an estimated monthly per capital income of P322 for the fourth quarter of 1983.

FISHING HOUSEHOLDS

Fishing households are found in practically all parts of the country. The fourth quarter ISH recorded a total count of 481 thousand fishing households in the country. Of these 12.9 percent are in Western Mindanao (Region IX), 12.5 percent in Bicol (Region V), 12.1 percent in Southern Tagalog (Region IV) and 11.6 percent in Central Visayas (Region VII). The least number is found in Metro Manila and Cagayan Valley (Region II) with an estimate of 5 thousand households each.

Fishing households are among the low income households in the country. During the fourth quarter of 1983, the monthly mean household income was estimated at 1,287 on a per capital basis. This is equal to P210 per month. Excluding the households in Metro Manila which recorded a per capita monthly income of P1,815, the mean monthly per capita income of fishery households by region ranged from lowest of P38 in

Cagayan Valley (Region II) to highest of P283 in Western Mindanao (Region 9).

Fishing households derive 55 to 65 percent of their total income from fishing operation. Their alternative sources include other agricultural crops, mostly coconut (2 to 4 percent), other non-agricultural entrepreneurial activities (7 to 9 percent), wages and salaries (12 to 14 percent) and other non-employment sources (12 to 18 percent).

CONCLUSION

Households engaged in agriculture and fishery production are among the most economically disadvantaged groups in the country. Many of these households are classified among the poverty groups. For the period 1980-1983, the agricultural households identified as comparatively more disadvantaged economically are those engaged in corn and coconut production, fishing and the wage and salary workers in agriculture.

These households who have an average of 1.82 to 2.88 employed members do not necessarily derive all their income from agriculture or fishery. Other sources include wages and salaries, assistance and other entrepreneurial activities.

In general, agricultural workers are underemployed with respect to time actually spent for production. This is understandably so since agricultural activities are seasonal. For the fourth quarter of 1983, 81 percent of all employed in agriculture fishery and forestry sector spent less than the equivalent of 60 days actual work. Non-agricultural workers, on the other hand, have only about 36 percent underemployment rate. While their presence in the farm could be considered as still part of their job as farmer, the marginal output of additional mandays could be very minimal.

Considering the limits of production resources, particularly of land, among farm household and the market environment for their produce, another alternative left

for farmers and fishermen are off-farm employment opportunities.

TABLE 1. AGRICULTURE AND FISHING HOUSEHOLDS BY TYPE OF HOUSEHOLDS, 1980-1983

	1980		1981		1982		1983	
	3rd Q	4th Q	3rd Q	4th Q	3rd Q	4th Q	3rd Q	4th Q
TOTAL HOUSEHOLDS	8677	8733	8893	8947	9108	9165	9327	9381
AGRI HOUSEHOLDS	4261	4183	4393	4418	4538	4540	4777	4763
Palay	1807	1890	1743	1813	1889	1882	1377	1782
Corn	797	675	823	755	847	697	893	713
Coconut	593	579	623	62	574	666	714	699
Sugarcane	22	29	30	34	33	41	29	34
Other Crops	413	435	455	486	390	512	689	688
Livestock & Poultry	175	13	261	233	310	270	562	366
Fishing	454	445	458	477	495	472	513	481
NON-AGRI HOUSEHOLDS	4408	4548	45	4529	4570	4625	455	4618
Manufacturing	141	147	146	156	148	147	132	139
Service	549	569	651	688	681	732	710	723
Mining	9	13	8	6	6	5	7	16
Wages and Salaries	2978	3075	2944	2916	2854	2748	2812	2746
Agri	448	509	458	471	413	436	369	382
Non-Agri	2530	2566	2486	2445	2441	2312	2443	2364
Other Sources	731	744	751	763	881	993	889	994
NO INCOME	8	2						

TABLE 2. DISTRIBUTION OF HOUSEHOLDS BY TYPE OF HOUSEHOLD BY REGION FOURTH QUARTER 1983

	PHIL	NCR	REG I	REG II	REG III	REG IV	REG V	REG VI	REG VII	REG VIII	REG IX	REG X	REG XI	REG XII
TOTAL HOUSEHOLDS	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
AGRI HOUSEHOLDS	50.77	1.05	61.59	70.07	35.27	44.66	66.77	64.98	57.58	68.68	65.12	57.06	63.28	77.43
Palay	19.00	0.08	42.46	32.65	28.24	16.95	25.47	28.20	8.78	18.86	13.32	6.78	11.08	32.07
Corn	7.60	0.00	0.14	10.88	0.00	0.65	4.04	1.88	26.20	3.85	16.70	16.38	22.00	20.43
Coconut	7.45	0.00	0.00	0.45	0.00	11.65	11.96	1.76	5.05	24.18	17.55	14.88	15.02	6.65
Sugarcane	0.36	0.00	0.00	0.00	0.33	0.90	0.00	1.53	0.40	0.00	0.00	0.00	0.46	0.48
Other Crops	7.33	0.00	8.12	11.79	1.43	5.70	12.11	19.39	4.52	11.54	2.96	12.99	5.46	9.03
Livestock & Poultry	3.90	0.57	7.39	13.15	2.31	4.07	3.88	6.82	5.19	1.47	1.48	0.94	3.34	3.33
Fishing	5.13	0.40	3.48	1.13	2.97	4.73	9.32	5.41	7.45	8.79	13.11	5.08	5.92	5.46
NON-AGRI HOUSEHOLDS	49.23	98.95	38.41	29.93	64.73	55.34	33.23	35.02	42.42	31.32	34.88	42.94	36.72	22.57
Manufacturing	1.48	2.11	1.01	2.49	2.53	1.47	0.78	0.94	2.39	1.10	0.85	0.94	0.15	1.66
Service	7.71	11.90	5.07	3.17	9.89	10.43	4.04	6.11	8.24	5.31	5.07	8.10	7.28	5.70
Mining	0.17	0.00	0.72	0.00	0.22	0.00	0.16	0.00	0.00	0.00	0.00	1.13	0.46	0.00
Wages & Salaries	29.27	60.67	20.72	18.82	35.49	32.21	20.81	21.62	24.34	17.40	24.95	24.48	24.89	12.83
Agri	4.07	0.89	3.48	3.85	4.84	5.62	4.81	6.23	3.86	2.56	3.17	3.77	7.59	1.43
Non-Agri	25.20	60.08	17.25	14.97	30.66	25.59	15.99	15.39	50.48	14.84	21.78	20.72	17.30	11.40
Other Sources	10.60	23.97	10.87	5.44	16.59	12.22	7.45	6.35	7.45	7.51	4.02	8.29	3.95	2.38

TABLE 3A. AVERAGE HOUSEHOLD INCOME BY TYPE OF HOUSEHOLD, 1980-1983
AT CURRENT PRICES

	1980		1981		1982		1983	
	3rd Q	4th Q	3rd Q	4th Q	3rd Q	4th Q	3rd Q	4th Q
TOTAL HOUSEHOLDS	3163.82	3068.21	3735.7	4074.15	4745.33	4839.43	703.12	5621.12
AGRI HOUSEHOLDS	292.50	2155.09	2398.57	2641.12	3086.58	3493.11	3014.30	3989.55
Palay	2130.70	2501.27	2401.28	3084.95	3055.76	3972.87	2882.66	4816.73
Corn	1786.50	1587.51	1852.63	1553.29	2190.2	29.41	2075.04	2143.42
Coconut	1889.05	1800.52	260.42	2004.52	2597.80	2565.63	3528.20	3792.76
Sugarcane	2759.68	5109.17	3800.63	13154.09	8566.15	9825.37	4335.86	7833.71
Other Crops	2133.52	1609.09	2368.07	2014.07	2990.95	3964.8	2675.89	3038.20
Livestock & Poultry	3561.70	3490.93	4270.44	4456.85	6067.73	5180.49	4768.39	5533.64
Fishing	2107.43	1958.05	2701.03	2506.06	3147.84	3053.67	2745.53	3861.68
NON-AGRI HOUSEHOLDS	4205.15	3909.39	5041.03	5472.05	6392.47	6161.02	6476.20	7303.92
Manufacturing	6092.04	4909.16	9898.60	7366.96	12446.68	9579.97	8771.85	9949.07
Service	4877.54	4262.58	6915.87	6559.45	7706.41	7394.40	9434.46	7460.45
Mining	4803.67	2783.08	4907.63	1634.33	280.33	2177.00	4172.86	5966.44
Wages and Salaries	3895.25	3736.93	4444.48	5074.35	5476.91	5567.47	5580.76	6222.60
Agri	167.17	194.32	1867.13	1959.64	2396.81	2337.89	2614.10	3280.98
Non-Agri	4300.42	4093.32	4919.31	5674.36	5998.4	6176.50	6028.85	6697.93
Other Sources	4591.31	4174.18	4811.44	5654.23	7350.19	6408.32	6623.22	9828.94
NO INCOME	0.00	0.00						

TABLE 3B. AVERAGE HOUSEHOLD INCOME BY TYPE OF HOUSEHOLD, 1980-1983 AT CONSTANT
1980 PRICES

	1980		1981		1982		1983	
	3rd Q	4th Q	3rd Q	4th Q	3rd Q	4th Q	3rd Q	4th Q
TOTAL HOUSEHOLDS	3163.82	2963.90	3310.49	3545.89	3808.51	3852.07	3471.60	3801.52
AGRI HOUSEHOLDS	2092.50	2081.83	2125.56	2298.67	2477.23	2780.43	2225.00	2698.10
Palay	2130.70	2416.24	2127.96	2684.96	2452.49	3162.31	2127.83	3257.51
Corn	1786.50	1533.55	1641.76	1351.89	1757.81	1599.44	1531.69	1449.58
Coconut	1889.05	1739.31	1825.89	1744.61	2084.94	2042.18	2604.34	2565.01
Sugarcane	2759.68	4935.49	3368.03	11448.52	6875.02	7820.75	3200.51	5297.87
Other Crops	2133.52	1554.39	2098.53	1752.93	2400.48	3155.31	1975.20	2054.71
Livestock & Poultry	3561.70	3372.26	3784.37	3878.98	4869.84	4123.54	3519.78	3742.36
Fishing	2107.43	1891.48	2393.59	2181.12	2526.39	2430.65	2026.61	2611.62
NON-AGRI HOUSEHOLDS	4205.15	3776.49	4467.24	4762.54	5130.47	4904.02	4780.40	4939.58
Manufacturing	6092.04	4742.27	8771.91	6411.75	9989.45	7625.42	6474.93	6728.47
Service	4877.54	4117.67	6128.68	5708.95	6185.01	5885.76	6964.03	5045.44
Mining	4803.67	2688.47	4349.02	1422.42	2247.49	1732.84	3080.19	4035.05
Wages and Salaries	3895.25	3609.90	3938.59	4416.41	4395.66	4431.57	4119.43	4208.29
Agri	1607.17	1874.36	1654.61	1705.56	1923.63	1860.90	1929.59	2218.90
Non-Agri	4300.42	3954.17	4359.37	4938.62	4813.91	4916.35	4450.19	4529.76
Other Sources	4591.31	4032.28	4263.78	4921.10	5899.12	5100.87	4888.92	6647.23
NO INCOME								

	PHIL	NCR	REG I	REG II	REG III	REG IV	REG V	REG VI	REG VII	REG VIII	REG IX	REG X	REG XI	REG XII
TOTAL HOUSE-HOLDS	997.42	1900.15	1172.38	614.74	1186.53	1032.19	651.30	635.33	574.37	633.81	697.88	759.74	1095.19	854.38
AGRI HOUSE-HOLDS	698.71	3752.78	809.75	569.51	1212.27	871.49	535.67	550.13	336.58	566.35	622.51	554.00	859.44	839.67
Palay	845.74	1964.11	782.46	697.55	1303.74	1020.97	523.34	550.87	410.27	620.70	841.38	875.71	1109.36	1058.81
Corn	368.08	-	2260.50	343.61	-	385.26	325.07	256.26	269.67	304.47	253.89	450.46	462.73	506.85
Coconut	693.83	-	-	49.10	-	666.81	493.68	503.54	467.79	640.62	642.86	547.55	1153.12	1040.80
Sugarcane	1338.42	-	-	-	2564.14	502.35	-	2194.61	939.92	-	-	-	641.69	3289.63
Other Crops	545.34	-	693.50	504.89	657.93	867.37	427.58	391.66	343.85	354.17	544.58	537.29	935.02	762.86
Livestock & Poultry	966.28	2126.97	1219.59	598.99	989.32	1154.05	691.49	736.18	402.14	1017.81	943.81	1072.58	2738.55	812.83
Fishing	630.51	5444.36	598.45	113.18	668.52	698.60	486.32	544.92	338.28	544.02	848.25	397.97	451.68	518.14
NON-AGRI HOUSE-HOLDS	1313.86	1875.48	1834.19	734.70	1184.98	1168.04	896.58	800.08	896.80	793.33	836.55	1025.65	1517.46	903.77
Manufacturing	1737.34	4019.75	1675.83	778.56	1944.31	1672.33	1053.12	1724.03	694.29	700.91	631.03	851.92	-	952.14
Service	1302.25	1592.54	1280.52	1001.80	1525.69	1446.42	956.39	839.71	1020.48	835.51	1278.96	1024.68	1484.69	1120.19
Mining	1110.03	-	789.11	-	1750.92	-	970.00	-	-	-	-	1223.81	544.20	-
Wages & Salaries	1066.82	1584.21	857.16	686.96	911.65	987.21	746.95	724.12	716.82	724.19	712.51	935.02	1067.98	860.70
Agri	597.97	1207.24	506.27	428.28	683.49	536.41	382.30	381.44	262.55	508.87	496.85	1480.32	700.61	899.50
Non-Agri	1137.41	1588.29	815.04	744.60	947.29	1084.39	847.65	863.14	786.42	753.22	744.74	827.75	1230.29	856.27
Other Sources	2109.69	2699.71	4897.58	741.10	1494.71	1405.21	1427.68	963.85	1637.64	1011.15	1318.48	1340.02	5449.01	543.62

A. NUMBER OF HOUSEHOLDS (In thousand)

	PHIL	NCR	REG I	REG II	REG III	REG IV	REG V	REG VI	REG VII	REG VIII	REG IX	REG X	REG XI	REG XII
TOTAL HOUSEHOLDS	9381	1235	690	441	910	1227	644	851	752	546	473	531	659	421
AGRI HOUSEHOLDS	4763	13	425	309	321	548	430	553	433	375	308	303	417	326
Palay	1782	1	293	144	257	208	164	240	66	103	63	36	73	135
Corn	713	0	1	48	0	8	26	16	197	21	79	87	145	86
Coconut	699	0	0	2	0	143	77	15	38	132	83	79	99	28
Sugarcane	34	0	0	0	3	11	0	13	3	0	0	0	3	2
Other Crops	688	0	56	52	13	70	78	165	34	63	14	69	36	38
Livestock & Poultry	366	7	51	58	21	50	25	58	39	8	7	5	22	14
Fishing	481	5	24	5	27	58	60	46	56	48	62	27	39	23
NON-AGRI HOUSEHOLDS	4618	1222	265	132	589	679	214	298	319	171	165	228	242	95
Manufacturing	139	26	7	11	23	18	5	8	18	6	4	5	1	7
Service	723	147	35	14	90	128	26	52	62	29	24	43	48	24
Mining	16	0	5	0	2	0	1	0	0	0	0	6	3	0
Wages & Salaries	2746	753	143	83	323	383	134	184	183	95	118	130	164	54
Agri	382	11	24	17	44	69	31	53	29	14	15	20	50	6
Non-Agri	2364	742	119	66	279	314	103	131	154	81	103	110	114	48
Other Sources	994	296	75	24	151	150	48	54	56	41	19	44	26	10

TABLE 5. SOME DEMOGRAPHIC CHARACTERISTICS OF HOUSEHOLDS BY REGION BY TYPE OF HOUSEHOLDS FOURTH QUARTER 1983

B. AVERAGE FAMILY SIZE

	PHIL	NCR	REG I	REG II	REG III	REG IV	REG V	REG VI	REG VII	REG VIII	REG IX	REG X	REG XI	REG XII
TOTAL HOUSEHOLDS	5.6	5.9	5.5	5.5	5.6	5.4	5.7	5.8	5.6	5.2	5.6	5.9	5.8	5.6
AGRI HOUSEHOLDS	5.7	7.3	5.8	5.7	5.8	5.6	5.8	5.9	5.6	5.4	5.6	5.8	5.9	5.6
Palay	5.7	9.0	5.6	5.5	5.7	5.6	6.1	6.0	5.4	5.2	5.8	6.3	5.2	5.6
Corn	5.8	-	4.0	5.9	-	7.1	5.2	6.1	5.6	5.6	5.9	5.6	6.4	5.2
Coconut	5.5	-	-	10.0	-	5.3	5.3	5.8	5.0	5.4	5.3	5.8	5.8	5.2
Sugarcane	5.9	-	-	-	4.7	4.7	-	5.4	4.0	-	-	-	5.3	4.0
Other Crops	5.6	-	6.5	5.5	4.7	5.4	5.3	5.5	4.8	5.2	5.7	6.1	5.2	6.0
Livestock & Poultry	5.7	5.6	5.5	5.8	5.9	6.1	5.7	5.8	5.5	6.8	6.9	3.8	5.0	5.9
Fishing	6.1	9.4	6.4	8.0	6.8	5.7	6.6	6.1	6.6	5.6	5.2	5.8	7.2	6.1
NON-AGRI HOUSEHOLDS	5.6	5.8	5.1	5.0	5.4	5.3	5.5	5.6	5.6	5.0	5.7	6.0	5.7	5.7
Manufacturing	5.7	5.6	5.0	5.2	6.0	5.1	5.0	4.1	5.9	5.7	8.3	5.0	0.0	6.3
Service	5.7	6.0	5.5	4.9	5.2	5.5	6.4	6.0	5.8	5.8	5.0	6.6	6.0	6.0
Mining	5.4	-	5.4	-	6.5	-	7.0	-	-	-	-	5.3	3.3	-
Wages & Salaries	5.8	6.1	5.5	5.4	5.6	5.7	5.8	5.9	5.9	5.3	5.9	6.2	5.9	5.4
Agri	5.5	4.5	4.7	4.8	5.6	5.6	5.5	5.9	5.0	4.3	6.1	6.6	5.9	5.0
Non-Agri	5.9	6.1	5.7	5.6	5.6	5.7	5.9	5.9	6.1	5.5	5.9	6.1	5.9	5.5
Other Sources	4.7	5.2	4.0	3.6	4.8	4.3	4.0	4.5	4.2	3.5	4.5	5.1	4.4	5.8

TABLE 5. SOME DEMOGRAPHIC CHARACTERISTICS OF HOUSEHOLDS BY REGION BY TYPE OF HOUSEHOLDS FOURTH QUARTER 1983

C. TOTAL EMPLOYED (In thousand)

	PHIL	NCR	REG I	REG II	REG III	REG IV	REG V	REG VI	REG VII	REG VIII	REG IX	REG X	REG XI	REG XII
TOTAL HOUSEHOLDS	21122	2403	1625	1056	1740	2525	1634	2284	1765	1117	921	1304	1719	950
AGRI HOUSEHOLDS	12259	38	1151	832	713	1232	1216	1697	1124	818	608	830	1192	765
Palay	4605	2	782	373	573	499	477	767	124	233	135	114	210	297
Corn	1819	0	3	113	0	16	76	50	520	37	157	234	441	189
Coconut	1664	0	0	12	2	293	213	45	114	299	133	217	260	67
Sugarcane	72	0	0	0	7	15	0	33	3	0	0	0	6	14
Other Crops	1847	0	161	138	23	158	218	478	88	130	32	200	102	92
Livestock & Poultry	1057	24	143	178	52	128	65	184	124	24	27	14	58	39
Fishing	1195	12	62	18	56	123	167	140	151	95	124	51	115	67
NON-AGRI HOUSEHOLDS	8863	2365	474	224	1027	1293	418	587	641	299	313	474	527	185
Manufacturing	334	76	9	19	48	37	12	14	44	18	22	14	2	25
Service	1596	294	82	31	175	273	61	117	139	66	48	124	117	56
Mining	23	0	7	0	3	0	2	0	0	0	0	11	5	0
Wages & Salaries	5510	1554	283	142	594	788	274	375	381	168	219	260	349	88
Agri	697	14	47	28	78	122	63	104	54	22	23	36	87	10
Non-Agri	4813	1540	236	114	516	666	211	271	327	146	196	224	262	78
Other Sources	1400	441	93	32	207	195	69	81	77	47	24	65	54	16

TABLE 5. SOME DEMOGRAPHIC CHARACTERISTICS OF HOUSEHOLDS BY REGION BY TYPE OF HOUSEHOLDS FOURTH QUARTER 1983

D. AVERAGE EMPLOYED PER HOUSEHOLD

	PHIL	NCR	REG I	REG II	REG III	REG IV	REG V	REG VI	REG VII	REG VIII	REG IX	REG X	REG XI	REG XII
TOTAL HOUSEHOLDS	2.25	1.95	2.36	2.39	1.91	2.06	2.54	2.68	2.35	2.05	1.95	2.46	2.61	2.26
AGRI HOUSEHOLDS	2.57	2.92	2.71	2.69	2.22	2.25	2.83	3.07	2.60	2.18	1.97	2.74	2.86	2.35
Palay	2.58	2.00	2.67	2.59	2.23	2.40	2.91	3.20	1.88	2.26	2.14	3.17	2.88	2.20
Corn	2.55	-	3.00	2.35	-	2.00	2.92	3.13	2.64	1.76	1.99	2.69	3.04	2.20
Coconut	2.38	-	-	6.00	-	2.05	2.77	3.00	3.00	2.27	1.60	2.75	2.63	2.39
Sugarcane	2.12	-	-	-	2.33	1.36	-	2.54	1.00	-	-	-	2.00	7.00
Other Crops	2.68	-	2.88	2.65	1.77	2.26	2.79	2.90	2.59	2.06	2.29	2.90	2.83	2.42
Livestock & Poultry	2.89	3.43	2.80	3.07	2.48	2.56	2.60	3.17	3.18	3.00	3.86	2.80	2.64	2.79
Fishing	2.48	2.40	2.58	3.60	2.07	2.12	2.78	3.04	2.70	1.98	2.00	1.89	2.95	2.91
NON-AGRI HOUSEHOLDS	1.92	1.94	1.79	1.70	1.74	1.90	1.95	1.97	2.01	1.75	1.90	2.08	2.18	1.95
Manufacturing	2.40	2.92	1.29	1.73	2.09	2.06	2.40	1.75	2.44	3.00	5.50	2.80	2.00	3.57
Service	2.21	2.00	2.34	2.21	1.94	2.13	2.35	2.25	2.24	2.28	2.00	2.88	2.44	2.33
Mining	1.44	-	1.40	-	1.50	-	2.00	-	-	-	-	1.83	1.67	-
Wages & Salaries	2.01	2.06	1.98	1.71	1.84	2.06	2.04	2.04	2.08	1.77	1.86	2.00	2.13	1.63
Agri	1.82	1.27	1.96	1.65	1.77	1.77	2.03	1.96	1.86	1.57	1.53	1.80	1.74	1.67
Non-Agri	2.04	2.08	1.98	1.73	1.85	2.12	2.05	2.07	2.12	1.80	1.90	2.04	2.30	1.63
Other Sources	1.41	1.49	1.24	1.33	1.37	1.30	1.44	1.50	1.38	1.15	1.26	1.48	2.08	1.60

TABLE 6. PALAY FARMS, PRODUCTIVITY AND OTHER CHARACTERISTICS 1980

Farm Size (Ha.)	Number of Farms	% Dist	Area		Prod'n		Area (ha.)		Cumulative Freq. # of farms	Cumulative Dist'n		
			Harvested 000 ha.	% Dist.	Th cavans	% Dist	harvested per farm	Ave prod per ha.		Number of farms	Area harvested	Prod'n
All Farms	1867206	100.00	3649.9	100.00	157673.8	100.00	1.955	43.2				
less than 0.5	131901	7.06	48.7	1.33	2541.7	1.61	0.369	52.2	131901	7.06	1.33	1.61
0.50 - 0.99	283161	15.16	223.4	6.12	10725.5	6.80	0.789	48.0	415062	22.23	7.45	8.41
1.00 - 1.99	569707	30.51	869.7	23.83	38789.5	24.60	1.527	44.6	984769	52.74	31.28	33.02
2.00 - 2.99	346708	18.57	787.5	21.58	33913.9	21.51	2.271	43.1	1331477	71.31	52.86	54.52
3.00 - 4.99	313434	16.79	873.8	23.94	37340.5	23.68	2.788	42.7	1644911	88.09	76.80	78.21
5.00 - 7.00	124338	6.66	378.9	10.38	15564.1	9.87	3.047	41.1	1769249	94.75	87.18	88.08
7.01 - 9.99	38910	2.08	142.8	3.91	5548.6	3.52	3.670	38.9	1808159	96.84	91.09	91.60
20.00 - 24.99	51614	2.76	234.2	6.42	9253.0	5.87	4.537	39.5	1859773	99.60	97.51	97.47
25.00 & over	7433	0.40	90.9	2.49	3997.0	2.53	12.229	44.0	1867206	100.00	100.00	100.00

TABLE 7. DISTRIBUTION OF HOUSEHOLD INCOME BY SOURCE, FOR PALAY HOUSEHOLDS,
1980-1983

	1980		1981		1982		1983	
	3RD Q	4TH Q	3RD Q	4TH Q	3RD Q	4TH Q	3RD Q	4TH Q
TOTAL HOUSEHOLDS	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
NET RECEIPTS	58.21	66.90	56.84	66.26	58.12	63.20	48.66	68.63
AGRICULTURE	52.46	62.08	50.37	61.71	50.40	56.27	40.70	63.37
Agricultural Crops	51.96	61.33	49.70	60.86	49.29	55.28	39.86	62.04
Palay	49.91	59.93	47.26	59.12	47.50	53.35	38.04	60.16
Corn	0.65	0.39	1.15	0.41	0.59	0.60	0.66	0.39
Coconut	0.87	0.70	0.71	0.55	0.67	0.51	0.77	0.88
Sugarcane	0.00	0.05	0.00	0.09	0.00	0.07	0.00	0.00
Other Crops	0.53	0.26	0.57	0.71	0.53	0.76	0.39	0.61
Livestock	0.24	0.45	0.36	0.61	0.94	0.81	0.66	1.06
Fishing	0.26	0.31	0.31	0.24	0.17	0.19	0.18	0.26
OTHERS	5.75	4.32	6.47	4.54	7.72	6.93	7.95	5.26
WAGES AND SALARIES	17.63	13.92	20.24	16.57	16.53	14.52	22.52	12.77
OTHER SOURCES	24.16	19.18	22.92	17.17	25.34	22.29	28.82	18.60
NUMBER OF HOUSEHOLD	1807	1890	1743	1813	1889	1882	1377	1782
AVERAGE INCOME	2130.70	2501.27	2401.28	3084.95	3055.76	3972.87	2882.66	4816.73

TABLE 8. CORN FARMS, PRODUCTIVITY AND OTHER CHARACTERISTICS 1980

Farm Size (Ha.)	Number of Farms	% Dist	Area		Prod'n Th cavans	% Dist	Area (ha.)		Cumulative Freq. # of farms	Cumulative Dist'n		
			Harvested 000 ha.	% Dist.			harvested per farm	Ave prod per ha.		Number of farms	Area harvested	Prod'n
All Farms	1273798	100.00	2466.9	100.00	56788.8	100.00	1.937					
Less than 0.5	81917	6.43	30.4	1.23	644.5	1.13	0.371	21.2	81917	6.43	1.23	1.13
0.50 - 0.99	160787	12.62	122.4	4.96	2631.5	4.63	0.761	21.5	242704	19.05	6.19	5.77
2.00 - 2.99	240342	18.87	466.3	18.90	10695.8	18.83	1.940	22.9	823192	64.63	43.27	41.58
3.00 - 4.99	242635	19.05	601.3	24.37	14344.3	25.26	2.478	23.9	1065827	83.67	67.64	66.84
5.00 - 7.00	120158	9.43	387.6	15.71	9027.5	15.90	3.226	23.3	1185985	93.11	83.36	82.74
7.01 - 9.99	34808	2.73	130.9	5.31	2997.3	5.28	3.761	22.9	1220793	95.84	88.66	88.02
20.00 - 24.99	47945	3.76	217.8	8.83	5391.4	9.49	4.543	24.8	1268738	99.60	97.49	97.51
25.00 & over	5060	0.40	61.9	2.51	1414.6	2.49	12.233	22.9	1273798	100.00	100.00	100.00

TABLE 9. DISTRIBUTION OF HOUSEHOLD INCOME BY SOURCE, FOR CORN HOUSEHOLDS, 1980-1983

	1980		1981		1982		1983	
	3RD Q	4TH Q	3RD Q	4TH Q	3RD Q	4TH Q	3RD Q	4TH Q
TOTAL HOUSEHOLDS	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
NET RECEIPTS	59.55	59.53	61.42	51.27	63.81	54.33	59.02	54.90
AGRICULTURE	50.08	40.18	54.34	44.21	60.00	47.36	53.04	45.76
Agricultural Crops	49.08	39.68	53.19	43.75	58.23	46.21	51.18	44.68
Palay	1.29	0.87	1.84	1.88	1.68	2.24	0.92	2.12
Corn	45.98	36.34	48.07	39.95	54.56	41.19	48.04	39.58
Coconut	0.95	1.34	1.59	1.26	0.92	1.37	1.23	1.27
Sugarcane	0.01	0.00	0.00	0.00	0.00	0.00	0.07	0.00
Other Crops	0.86	1.14	1.68	0.66	1.07	1.41	0.92	1.71
Livestock	0.60	0.38	0.82	0.21	1.30	0.85	1.42	0.82
Fishing	0.40	0.13	0.32	0.25	0.47	0.30	0.44	0.27
OTHERS	9.48	19.35	7.08	7.07	3.82	6.97	5.98	9.14
WAGES AND SALARIES	12.64	17.13	16.74	25.89	14.01	18.56	18.75	20.13
OTHER SOURCES	27.81	23.33	21.84	22.84	22.18	27.11	22.23	24.97
NUMBER OF HOUSEHOLD	797	675	823	755	847	697	893	713
AVERAGE INCOME	1786.50	1587.51	1852.63	1553.29	2190.20	2009.40	2075.04	2143.42

TABLE 10. SUGARCANE FARMS, PRODUCTIVITY AND OTHER CHARACTERISTICS 1980

Farm Size (Ha.)	Number of Farms	% Dist	Area		Prod'n		Area (ha.)		Ave prod per ha.	Cumulative Freq. # of farms	Cumulative Dist'n		
			Harvested 000 ha.	% Dist.	Th cavans Dist	% Dist	harvested per farm	Number of farms			Area harvested	Prod'n	
All farms	68857	100.00	298.8	100.00	14352.3	100.00	4.339	48.0					
Less than 0.5	2545	3.70	0.6	0.20	17.1	0.12	0.236	28.5		2545	3.70	0.20	0.12
0.50 - 0.99	7107	10.32	3.0	1.00	86.4	0.60	0.422	28.8		9652	14.02	1.20	0.72
1.00 - 1.99	16679	24.22	13.2	4.42	330.6	2.30	0.791	25.1		26331	38.24	5.62	3.02
2.00 - 2.99	12466	18.10	16.6	5.56	404.7	2.82	1.332	24.4		38797	56.34	11.18	5.84
3.00 - 4.99	13668	19.85	28.7	9.61	655.6	4.57	2.100	22.8		52465	76.19	20.78	10.41
5.00 - 7.00	6277	9.12	18.3	6.12	610.1	4.25	2.915		33.3	58742	85.31	26.91	14.66
7.01 - 9.99	2416	3.51	10.3	3.45	450.9	3.14	4.263	43.8		61158	88.82	30.35	17.80
20.00-24.99	4881	7.09	47.7	15.96	2045.9	14.25	9.773	42.9		66039	95.91	46.32	32.06
25.00 & over	2818	4.09	160.4	53.68	9751.0	67.94	56.920	60.8		68857	100.00	100.00	100.00

TABLE 11. DISTRIBUTION OF HOUSEHOLD INCOME BY SOURCE, FOR SUGARCANE
HOUSEHOLDS, 1980-1983

	1980		1981		1982		1983	
	3RD Q	4TH Q	3RD Q	4TH Q	3RD Q	4TH Q	3RD Q	4TH Q
TOTAL HOUSEHOLDS	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
NET RECEIPTS	28.20	55.71	65.18	79.02	69.72	70.54	13.38	60.23
AGRICULTURE	23.71	53.60	42.84	76.72	47.46	67.61	10.55	45.68
Agricultural Crops	21.60	52.17	42.01	76.72	46.57	67.16	10.16	45.67
Palay	0.64	6.63	0.00	3.51	0.43	2.53	0.00	1.85
Corn	1.15	0.05	5.40	0.03	1.37	0.00	1.84	0.08
Coconut	0.01	0.06	0.19	0.00	0.00	0.00	0.00	0.00
Sugarcane	18.83	45.41	35.68	73.15	44.19	64.23	8.31	43.67
Other Crops	0.96	0.01	0.73	0.02	0.58	0.40	0.01	0.07
Livestock	2.11	1.43	0.00	0.00	0.23	0.05	0.04	0.01
Fishing	0.00	0.00	0.84	0.00	0.67	0.41	0.34	0.00
OTHERS	4.49	2.11	22.34	2.30	22.26	2.92	2.83	14.55
WAGES AND SALARIES	27.22	14.08	21.05	10.31	6.75	9.88	21.82	8.59
OTHER SOURCES	44.59	30.21	13.77	10.67	23.53	19.59	64.80	31.17
NUMBER OF HOUSEHOLD	22	29	30	34	33	41	29	34
AVERAGE INCOME	2759.68	5109.17	3800.63	13154.09	8566.15	9825.37	4335.86	7833.71

TABLE 12. COCONUT: NUMBER OF PRODUCTIVE TREES & PRODUCTIVITY BY REGION

	Number of Productive Trees		Total Prod'n (In hundred nuts)		PERCENT DISTRIBUTION			
					Number of Productive Trees		Total Prod'n (In hundred nuts)	
	1971	1980	1971	1980	1971	1980	1971	1980
PHILIPPINES	158278818	3171350858	42323595	102491448	100.00	100.00	100.00	100.00
NCR	45470	1113733	11003	374269	0.03	0.35	0.03	0.37
REGION I	494734	526676	108283	90135	0.31	0.17	0.26	0.09
REGION II	281385	786960	65711	183551	0.18	0.25	0.16	0.18
REGION III	119802	133797	22253	22991	0.08	0.04	0.05	0.02
REGION IV	36670206	70813893	6970411	17339766	23.17	22.33	16.47	16.92
REGION V	29378635	52897639	5319450	15205853	18.56	16.68	12.57	14.84
REGION VI	4062917	9754128	927594	2532818	2.57	3.08	2.19	2.47
REGION VII	8756867	18101051	2639027	4735706	5.53	5.71	6.24	4.62
REGION VIII	23450311	44078642	6396000	13428938	14.82	13.90	15.11	13.10
REGION IX	16643883	34176814	4681474	13156349	10.52	10.78	11.06	12.84
REGION X	12222763	25244118	4536428	9707926	7.72	7.96	10.72	9.47
REGION XI	16893776	44567586	7394805	19140928	10.67	14.05	17.47	18.68
REGION XII	9258069	14940021	3251152	6572218	5.85	4.71	7.68	6.41

TABLE 13. DISTRIBUTION OF HOUSEHOLD INCOME BY SOURCE, FOR COCONUT HOUSEHOLDS, 1980-1983

	1980		1981		1982		1983	
	3RD Q	4TH Q	3RD Q	4TH Q	3RD Q	4TH Q	3RD Q	4TH Q
TOTAL HOUSEHOLDS	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
NET RECEIPTS	56.87	60.94	57.86	57.08	59.90	55.33	67.44	71.24
AGRICULTURE	48.97	52.34	50.24	48.73	48.91	45.02	56.32	64.14
Agricultural Crops	47.58	50.50	48.86	47.32	47.32	43.32	54.27	62.24
Palay	1.47	1.32	1.32	1.11	1.96	1.65	1.17	1.87
Corn	1.31	1.54	1.57	1.61	1.45	1.07	1.69	1.27
Coconut	42.93	46.10	43.94	42.52	42.25	38.58	49.39	56.91
Sugarcane	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Crops	1.84	1.54	2.03	2.08	1.66	2.01	2.02	2.20
Livestock	0.60	0.52	0.47	0.54	0.76	1.12	0.90	0.88
Fishing	0.79	1.33	0.91	0.87	0.84	0.59	1.15	1.01
OTHERS	7.90	8.60	7.62	8.35	10.99	10.31	11.12	7.10
WAGES AND SALARIES	19.09	17.48	19.98	22.50	16.87	17.51	14.15	11.03
OTHER SOURCES	24.04	21.58	22.17	20.42	23.23	27.16	18.40	17.73
NUMBER OF HOUSEHOLD	593	579	623	620	574	666	714	699
AVERAGE INCOME	1889.05	1800.52	2060.42	2004.52	2597.80	2565.63	3528.20	3792.76

TABLE 14. DISTRIBUTION OF HOUSEHOLD INCOME BY SOURCE, FOR LIVESTOCK AND POULTRY HOUSEHOLDS, 1980-1983

	1980		1981		1982		1983	
	3RD Q	4TH Q	3RD Q	4TH Q	3RD Q	4TH Q	3RD Q	4TH Q
TOTAL HOUSEHOLDS	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
NET RECEIPTS	50.38	51.28	50.64	53.22	62.88	50.36	47.70	44.05
AGRICULTURE	39.57	39.43	38.64	44.04	34.13	35.75	23.45	22.10
Agricultural Crops	4.22	7.47	4.08	6.51	4.70	5.74	2.47	2.59
Palay	1.04	4.05	0.86	3.84	1.37	3.50	0.43	1.14
Corn	1.63	1.06	1.51	1.03	1.81	0.85	0.87	0.62
Coconut	1.01	0.98	0.64	0.91	0.50	0.85	0.52	0.30
Sugarcane	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Crops	0.53	1.39	1.06	0.73	1.01	0.54	0.64	0.52
Livestock	35.04	31.79	34.19	37.43	29.28	29.86	20.66	19.45
Fishing	0.31	0.18	0.36	0.09	0.16	0.14	0.32	0.07
OTHERS	10.81	11.85	12.00	9.18	28.75	14.62	24.25	21.94
WAGES AND SALARIES	25.84	26.93	29.71	27.61	20.37	25.08	25.55	28.61
OTHER SOURCES	23.78	21.79	19.65	19.17	16.75	24.56	26.76	27.35
NUMBER OF HOUSEHOLD	175	130	261	233	310	270	562	366
AVERAGE INCOME	3561.70	3490.93	4270.44	4456.85	6067.73	5180.49	4768.39	5533.64

TABLE 15. DISTRIBUTION OF HOUSEHOLD INCOME BY SOURCE, FOR FISHING HOUSEHOLDS,
1980-1983

	1980		1981		1982		1983	
	3RD Q	4TH Q	3RD Q	4TH Q	3RD Q	4TH Q	3RD Q	4TH Q
TOTAL HOUSEHOLDS	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
NET RECEIPTS	72.05	74.98	74.38	75.05	71.91	67.87	69.53	
AGRICULTURE	64.82	68.36	67.49	66.22	64.77	62.49	59.35	61.33
Agricultural Crops	3.22	2.44	3.48	4.27	3.77	4.26	3.68	2.99
Palay	0.61	0.51	0.39	0.98	1.11	1.18	0.50	0.63
Corn	0.84	0.48	0.63	0.49	0.63	0.65	0.97	0.44
Coconut	1.15	1.03	1.52	1.67	1.01	1.24	1.32	1.26
Sugarcane	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Crops	0.62	0.42	0.94	0.89	1.03	1.20	0.89	0.65
Livestock	0.41	0.35	0.27	0.12	0.44	0.30	0.57	0.86
Fishing	61.18	65.57	63.74	61.83	60.56	57.92	55.10	57.48
OTHERS	7.23	6.62	6.89	8.83	7.14	9.22	8.53	8.20
WAGES AND SALARIES	13.60	12.41						