

CHINESE-AMERICAN
JOINT COMMISSION ON RURAL RECONSTRUCTION

Economic Digest Series No. 20

TAIWAN FARM INCOME SURVEY OF 1967
—with a brief comparison with 1952, 1957 and 1962—

By

Rural Economics Division

JCRR



TAIPEI, TAIWAN, CHINA

January, 1970

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Foreword

This is the English version of the "1967 Farm Income Survey" and the fourth report in the income survey series since 1952.

Like the previous ones, this survey is a joint effort of several institutions. It was initiated and financially supported by the Rural Economics Division of the Joint Commission on Rural Reconstruction. The field survey was undertaken by the students from the two Departments of Agricultural Economics of National Taiwan University and Taiwan Provincial Chung Hsing University, under the direction of their faculty members. The statistical data thus obtained were compiled and processed at Chung Hsing University.

This report is largely based on the Chinese copy jointly prepared by Dean M. N. Soong and Dr. Y. H. Yu of Chung Hsing University. However, there are two distinct points in this report which may be worth of mentioning. First, the part of comparative study has been expanded considerably, with the purpose to discover any major change in rural income. Second, the imputed value of farm house rent has been included in farm family receipts. This adjustment has raised the level of farm family receipts somewhat higher than the original figures presented in the Chinese version.

In preparing this report we have encountered some perplexing problems. One of the problems is the rapid growth rate of farm family receipts during the period from 1962 to 1967. According to the survey data, farm family receipts increased by 53.4 percent during the said period. When compared with 17.4 percent between 1952 and 1957 and 7.7 percent between 1957 and 1962, the increase in the last period appears to be skeptical. We have spent a great deal of time in checking the survey statistics but not much improvement can be made.

The reader will find in this report a statistical appendix of "1962 farm income survey." We hope this information will be fairly sufficient to meet the demand for the 1962 mimeographed report which was not widely distributed.

This report was written by Mr. Y. H. Kao, the statistics were prepared by Miss Y. E. Chen, and the proof-reading was performed by Miss C. Y. Wang. They are respectively specialist, assistant specialist and statistical assistant of the Rural Economics Division.

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Contents

	Page
Foreword	
Introduction.....	1
Part I. Farm Income Survey of 1967	1
1. Survey Method and Sample Design.....	1
2. Findings and Analyses.....	7
(1) Land and Human Resources	7
(2) Farm Family Receipts	11
(3) Farm Family Expenditures	17
(4) Farm Family Earnings	20
(5) Farm Earnings	22
(6) Farm Output-input Ratio	23
(7) Farm Family Surplus	24
(8) Farm Assets	25
Part II. Comparison of Farm Income in 1967 with 1952, 1957 and 1962...26	
1. Changes in Farm Land and Family Size	26
2. Changes in Farm Family Receipts.....	27
3. Changes in Farm Receipts.....	30
4. Changes in Farm Expenditures	31
5. Changes in Farm Family Earnings.....	33
6. Changes in Farm Family Living Expenditures.....	36
7. Changes in Farm Family Surplus	37
8. Changes in Farm Assets	38
Conclusion.....	38
Appendix I. Summary Statistics of 1967 Farm Income Survey	40
Appendix II. Summary Statistics of 1962 Farm Income Survey	106

Taiwan Farm Income Survey of 1967

with a brief comparison with 1952, 1957 and 1962

Introduction

Farm income information has always been considered as one of the basic data in understanding rural situation and in making future agricultural policy. This is particularly true in the developing countries since their economies are predominantly agricultural. In view of the importance of farm income information, the Joint Commission on Rural Reconstruction, in cooperation with the two Departments of Agricultural Economics of National Taiwan University and Taiwan Provincial Chung Hsing University, has undertaken four farm income surveys in the past 15 years, once every five years. The first survey was taken in 1952, the second in 1957, the third in 1962, and the fourth in 1967.

The purposes of the income survey have been (1) to collect data for preparing national income statistics, (2) to investigate income information by agricultural region as well as by size of farm, (3) to discover the significance of the sources and distribution of farm income, (4) to understand farm expenditure in Taiwan with a view to improving the efficiency of farm operation and (5) to provide basic data to government agencies for making agricultural policy. In addition to those mentioned above, this report also purports to make a comparison of the past four surveys, and thereby to better our understanding about the structural changes in Taiwan's agriculture.

This study is divided into two parts. The first part is a summary report of the 1967 Farm Income Survey. The second part is a brief comparative study of the past several income surveys.

Part I. Farm Income Survey of 1967

1. *Survey Method and Sample Design.*

Following the three previous surveys, this survey has divided Taiwan province into 13 agricultural regions (see map on page 3). The reason for making this division is to group farms into homogeneous farming groups.

It is believed that this kind of grouping will facilitate our sampling and increase statistical precision. (The word "precision" is used here to mean the inverse of variance.) However, in making this division, we have intentionally left out the central mountainous area where forestry is the predominant type of culture and the Pescadores. Similar to the previous surveys also, we classified the farms into six groups by farm size, namely, 0.00-0.49 chia, 0.50-0.99 chia, 1.00-1.49 chia, 1.50-1.99 chia, 2.00-2.99 chia and 3.00 chia or more.*

There are many sampling methods that can be used in collecting data, and each method has its pros and cons. In this study, two stage stratified random sampling method was employed, for we believe it is the most appropriate one to fit the real situation. According to this method, we first drew sample townships from each agricultural region. Then, from each sample township sample farms were chosen.

To derive the total number of sample farms, the following statistical formula was used:

$$\eta = \frac{(\sum N_h S_h)^2}{N^2 e^2 + \sum N_h S_h^2} \dots \dots \dots (1)$$

where η = total sample farms

N_h = total farms in agricultural region h

S_h = standard deviation of cultivated land area in agricultural region h

$N = \sum N_h, h = 1, 2, 3, \dots \dots \dots 13$

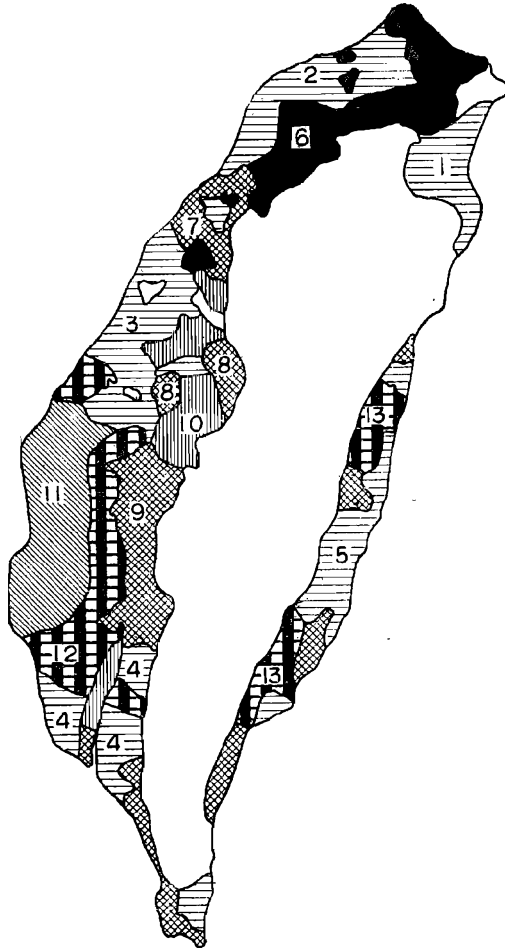
e = sampling error.

The term S_h deserves some explanation. Since the purpose of this survey is to collect farm income data, it is naturally logical to use farm income variance in the above formula. However, the farm income variance in the agricultural regions have never been calculated; we, therefore, use the variances (S_h^2) of cultivated land to take its place. This compromise is based on the assumption that farm family income is positively correlated with its cultivated land area. This is not an implausible assumption, and it is supported by empirical studies.** The variances of cultivated land in the 13 agricultural regions were obtained from the 1962 farm income survey. The farm household information was taken from 1961 agricultural census.

* 1 chia = 0.96992 hectare = 2.39680 acre

** Paul Shen-tung Lee, "A Study on Farm Receipts and Farm Size". *Taiwan Agriculture*, Department of Agriculture and Forestry, Taiwan Provincial Government, Vol. 3, No. 4, Dec. 1967.

Map Showing Distribution of the 13 Agricultural Regions



- | | |
|---------------------------------|-----------------------------------|
| (1) Yilan Rice Region | (8) Taichung Mixed Farming Region |
| (2) Taipei Rice Region | (9) Alishan Mixed Farming Region |
| (3) Taichung Rice Region | (10) Banana & Pineapple Region |
| (4) Kaohsiung Rice Region | (11) Chianan Mixed Farming Region |
| (5) Eastern Rice Region | (12) Western Sugarcane Region |
| (6) Tea Region | (13) Eastern Sugarcane Region |
| (7) Miaoli Mixed Farming Region | |

As to the term e , it is usually determined or estimated by the research worker. In this study sampling error was estimated at 0.025 chia.

Using the above information and formula (1), total number of sample farm families were estimated to be 1,473 units. These sampling units were distributed to the 13 agricultural regions by using the following formula:

$$\eta_h = \eta \frac{N_h S_h}{\sum N_h S_h} \dots \dots \dots (2)$$

where η_h stands for the total sample farms in agricultural region h . A cursory look at this formula will realize that it is intended to make a proportional allocation of sample farms to the various farming regions.

The number of sample townships in each region was decided in the following manner. First, based on past experience and due to the financial limitation, we arbitrarily decided to draw 20 farm units from each sample township. The number of sample townships in each region was then obtained by dividing the estimated number of sample farms in that region (i.e., η_h in formula 2) by twenty.

After the number of sample townships was decided, we then proceeded to draw sample townships from each farming region. In the past three surveys, purposive sampling was adopted, but in the present study we used systematic sampling method. A total of 88 sample townships and 1760 sample farm families were selected accordingly. The names of the sample townships and the number of sample farms in each region are shown in Table 1. However, in the course of data processing, 120 sample farms were dropped because of incomplete information. Thus, the information contained in this report was derived from 1640 sample farms which are larger than the number estimated from formula (1).

The drawing of sample farms in each sample township was carried out by using random sampling method. We began the process by classifying farm land of each sample township into six size groups as specified in the beginning of this section. Then the percentages of each group were calculated. These percentages were used to make proportional distribution of the 20 sample farms. Finally, random sampling method was applied to the drawing of sample farms from each size group. This work was generally conducted by the investigators at the office of local farmers' association with

the help of the association's personnel. After deleting the farms with incomplete information, the number of sample farms by regions and by size groups is presented in Table 2 (on page 7).

Table 1. Names of Sample Townships by Agricultural Regions, 1967

Region	No. of household investigated	No. of township investigated	Name of township investigated
1. Yilan Rice Region	60	3	Yilan City, Chung-wei Hsiang, Yuan-shan Hsiang.
2. Taipei Rice Region	160	8	Ba-li Hsiang, Ban-chiao Chen, Da-yuan Hsiang, Chung-li Chen, Lu-chu Hsiang, Taoyuan Chen, Hsinchu City, Chupei Hsiang.
3. Taichung Rice Region	320	16	Pei-tun Precinct, Tsaotun Chen, Da-li Hsiang, Datu Hsiang, Shih-kang Hsiang, Fu-hsing Hsiang, Lu-kang Chen, Chang-hua City, Ho-mei Chen, Chih-chow Hsiang, Pi-tou Hsiang, Pu-yen Hsiang, Sheh-tou Hsiang, Yuanlin Chen, Erh-luen Hsiang, Lin-nei Hsiang.
4. Kaohsiung Rice Region	120	6	Mei-nung Chen, Nan-tzu Precinct, Wan-luan Hsiang, Nei-pu Hsiang, Ping-tung City, Hsin-yuan Hsiang.
5. Eastern Rice Region	40	2	Fon-bing Hsiang, Yuh-li Chen.
6. Tea Region	160	8	Hsin-dien Chen, Sanh-sia Chen, Yang-mei Chen, Ping-chen Hsiang, Lung-tan Hsiang, Kwang-hsi Chen, Hsin-pu Chen, Heng-shan Hsiang.

7. Miaoli Mixed Farming Region	80	4	Tung-lo Hsiang, Hou-lung Chen, San-wan Hsiang, Cho-lan Chen.
8. Taichung Mixed Farming Region	60	3	Pu-li Chen, Kuo-shin Hsiang, Nan-tou Chen.
9. Alishan Mixed Farming Region	80	4	Ku-ken Hsiang, Da-lin Chen, Mei-shan Hsiang, Liu-kwei Hsiang.
10. Banana-pineapple Region	60	3	Lu-ku Hsiang, Chung-liao Hsiang, Da-shu Hsiang.
11. Chianan Mixed Farming Region	380	19	Yuan-chang Hsiang, Luen-bei Hsiang, Tu-kuh Chen, Tai-hsi Hsiang, Hu-wei Chen, Lu-tsau Hsiang, Yi-chu Hsiang, Bo-tze Chen, Bu-dai Chen, Tung-shih Hsiang, Liu-ying Hsiang, Hsia-ying Hsiang, Hsin-ying Hsiang, Pei-men Hsiang, Chiang-chuing Hsiang, An-ding Hsiang, Ma-tou Chen, Shan-hua Chen, Hsin-kang Hsiang.
12. Western Sugarcane Region	180	9	Tou-liu Chen, Chih-kow Hsiang, Tung-shan Hsiang, Pai-ho Chen, Jen-teh Hsiang, Kwang-miao Hsiang, Hu-nei Hsiang, Da-liao Hsiang, Tien-lia Hsiang.
13. Eastern Sugarcane Region	60	3	Lu-yeh Hsiang, Shou-fon Hsiang, Kwang-fu Hsiang.

**Table 2. Number of Sample Farm Families by Size Groups
and by Agricultural Regions, 1967**

Unit: Household

Region	Total	0.49 chia or less	0.50- 0.99	1.00- 1.49	1.50- 1.99	2.00- 2.99	3.00 chia and more
Total	1,640	498	475	269	164	143	91
Yilan Rice Region	53	14	17	9	7	4	2
Taipei Rice Region	144	36	41	28	20	14	5
Taichung Rice Region	272	108	92	38	17	13	4
Kaohsiung Rice Region	120	49	36	17	9	6	3
Eastern Rice Region	40	4	12	9	8	5	2
Tea Region	147	35	39	29	16	15	13
Miaoli Mixed Farming Region	80	21	26	10	9	9	5
Taichung Mixed Farming Region	59	17	19	11	3	6	3
Alishan Mixed Farming Region	67	16	19	12	8	7	5
Banana-pineapple Region	59	12	15	7	9	9	7
Chianan Mixed Farming Region	360	120	101	56	35	31	17
Western Sugarcane Region	180	60	47	30	14	18	11
Eastern Sugarcane Region	59	6	11	13	9	6	14

2. Findings and Analyses

(1) Land and Human Resources

(A) Farm area

Farm area is defined here as the land that is devoted to agricultural production. It consists of farm land and non-farm land. Farm land in this report is identical to cultivated land or the size of farm; it includes paddy field, dry land and other kinds of land devoted to crop production. Non-farm land includes forest land, construction site, ponds, pasture and so on.

The survey results revealed that average farm area of the sample farm families was 1.29 chia, of which 1.11 chia was farm land and 0.18 chia was non-farm land. The average holdings of farm area were different from one

farming region to another. Banana-pineapple Region had the largest average of farm area, while Taichung Rice Region had the smallest. The former averaged about 2.49 chia, and the latter 0.88 chia. The average farm area, farm land and non-farm land by regions are listed in Table 3. (See also Appendix I Table 1.)

**Table 3. Average Farm Area, Farm Land and Non-farm Land
by Agricultural Regions, 1967**

Unit: Chia

Region	Farm Area	Farm Land	Non-farm Land
Average	1.29	1.11	0.18
Yilan Rice Region	1.14	1.07	0.07
Taipei Rice Region	1.16	1.11	0.05
Taichung Rice Region	0.88	0.81	0.07
Kaohsiung Rice Region	0.95	0.87	0.08
Eastern Rice Region	1.46	1.41	0.05
Tea Region	1.80	1.27	0.53
Miaoli Mixed Farming Region	1.60	1.23	0.37
Taichung Mixed Farming Region	1.22	1.05	0.17
Alishan Mixed Farming Region	1.60	1.23	0.37
Banana-pineapple Region	2.49	1.60	0.89
Chianan Mixed Farming Region	1.12	1.06	0.06
Western Sugarcane Region	1.12	1.08	0.04
Eastern Sugarcane Region	2.19	2.12	0.07

The intensity of land utilization usually varied with farm size, and an inverse relationship between them was discovered. That means, the smaller the farm size, the more intensively is the land utilized. For example, the province average of multiple cropping index* in 1967 was estimated at 197, while the farms with an area of less than 0.50 chia averaged about 216 and those with more than 2.99 chia had an index of 161. The multiple cropping indices in the 13 farming regions are also different. Crop pattern plays a very important role in this regard. The multiple cropping indices in the rice regions are usually larger than that of other farming areas. Taipei Rice Region, Taichung Rice Region and Kaohsiung Rice Region are particularly outstanding (Appendix I Table 2).

* Multiple cropping index = $\frac{\text{Planted acreage}}{\text{Farm land}} \times 100$

(B) Farm population

Labor is one of the major factors of agricultural production. This is particularly true in a developing and overpopulated area like Taiwan where machine power has not been common in the field.

The average family size of the sample farms was 8.3 persons. It varied with the size of farm. The variation ranged from 7.2 persons of the small farms to 11.2 persons of the large ones. Looking from the 13 farming regions, the difference was relatively small. It varied from 7.9 persons in the Chianan Mixed Farming Region to 9.5 persons in the Tea Region (Appendix I Table 3).

Out of the total farm population, 36 percent was gainfully employed in agricultural production, 8 percent was engaged in non-farm business, and 56 percent was "unemployed."* This 56 percent of farm population includes the old, the young, the sick, students and persons who were serving active military duty. The rate of employment (both farm and non-farm) varied in the 13 regions with the highest rate of 48.1 percent in the Banana and Pineapple Region and the lowest rate of 36.4 percent in Yilan Rice Region.

The rate of employment also varied with farm sizes. Small farms usually have more people engaged in non-farm businesses. For the farms with less than 0.5 chia of land, non-farm employment accounted for 23 percent of their total employed population. The percentage reduced to 11 percent as farm land increased to more than 3.0 chia. (See also Appendix I Table 4.)

We have seen in the earlier paragraphs that not all the persons of a farm family were engaged in farm operation. It is also noted that not every person on the farm can contribute equal labor to farm production. In order to understand how many people really take part in agricultural production and thereby to facilitate comparison, unit of man-equivalent was computed by taking into account the quality of population. In this report one man-equivalent represents the work performed by a man who is of the age

* By "unemployed" is meant the persons who engaged neither in agricultural nor in non-agricultural occupations, regardless their age. Or, it is the balance of the total population minus the employed. Thus, the definition of unemployed persons is different from what is used in the Labor Force Survey of Taiwan.

between 16 and 60 and works on farm eight hours a day for a period of ten months or 300 days. It is arrived at by (a) converting children-days and women-days into man-equivalent day, and (b) taking account of all other persons who work on farm occasionally. The conversion ratio is one man-equivalent day for two children-days or one and a quarter of women-days. In 1967, units of man-equivalent per farm family were 2.15. Like the trend of family size it increased with the size of farm. For detailed information see Table 4 and Appendix I Table 5.

Table 4. Average Family Size and the Number of Man-equivalents per Farm by Size Groups, 1967

Size Group	Average family size (Person)	Man-equivalent per farm
Average	8.3	2.15
0.49 chia or less	7.2	1.69
0.50-0.99 chia	7.5	1.94
1.00-1.49 chia	8.6	2.35
1.50-1.99 chia	9.3	2.53
2.00-2.99 chia	11.2	3.06
3.00 chia and more	11.1	3.18

Agricultural production is dependent not only on natural conditions but also on the ability of farm operators. In order to understand farm operator's management ability we have conducted in this survey an investigation of farmers' education background. The survey results disclosed that a majority of Taiwan's farm operators received only primary education. Among the 1640 sample farms investigated only two operators reported having educated at college or university (Appendix I Table 6).

(C) Man-land ratio

With limited area of farm land and an over-populated agriculture, per capita farm land is bound to be very small. In the 1967 survey, an average of 0.1337 chia was reported. The farm land per man-equivalent was a little bit larger, averaging about 0.516 chia. As shown in Table 5, both per capita farm land and farm land per man-equivalent increased with farm size. Since family size shows little variation among the farming regions, per capita farm land was larger in the regions of larger farm land.

Table 5. Per Capita Farm Land by Size Groups, 1967

Unit: Chia

Size group	Farm land	Per capita farm land	Farm land per man-equivalent
Average	1.11	0.1337	0.516
0.49 chia or less	0.33	0.0458	0.195
0.50-0.99 chia	0.71	0.0947	0.366
1.00-1.49 chia	1.22	0.1419	0.519
1.50-1.99 chia	1.70	0.1828	0.672
2.00-2.99 chia	2.41	0.2152	0.788
3.00 chia and more	4.07	0.3667	1.280

(2) Farm Family Receipts

By definition, farm family receipts consists of two parts, i.e., farm receipts and non-farm receipts. Farm receipts include all cash and non-cash receipts obtained from the operation of farm business. Non-farm receipts refer to the income from all other activities outside the farms. The sample farms of the 1967 survey reported an average farm family receipts of NT\$71,127. Out of this total, 76.37 percent came from farm business, and the remaining 23.63 percent was derived from non-farm sources.

(A) Farm family receipts and size of farms

It was observed in this survey that farm family receipts were closely related to the size of farm. The larger the farm size, the higher was the family receipts. Farm with less than 0.5 chia of cultivated land received, on average basis, about NT\$43,055, while those with more than 2.99 chia obtained NT\$179,636. This trend appears to be natural since family receipts is largely determined by farm receipts and farm receipts is closely tied to the area of farm land. The average farm family receipts by size groups are shown in Table 6.

(B) Regional differences of farm family receipts

The differences of farm family receipts in the 13 agricultural regions were considerable. Farm families in the Banana-pineapple Region received the highest receipts which averaged about NT\$95,118. It was followed in a descending order by Alishan Mixed Farming Region, Kaohsiung Rice Region, Taipei Rice Region, Miaoli Mixed Farming Region, Chianan Mixed Farming Region, Taichung Rice Region, Taichung Mixed Farming Region, Tea

Region, Western Sugarcane Region, Eastern Sugarcane Region and Yilan Rice Region. The lowest farm family receipts were reported in the Eastern Rice Region with an average of NT\$48,062. The average farm family receipts by regions are presented in Table 7.

Table 6. Average Farm Family Receipts by Size Groups, 1967

Size group	Farm family receipts		Farm receipts		Non-farm receipts	
	Amount NT\$	%	Amount NT\$	%	Amount NT\$	%
Average	71,127	100.00	54,317	76.37	16,810	23.63
0.49 chia or less	43,055	100.00	23,984	55.71	19,071	44.29
0.50-0.99 chia	55,091	100.00	40,407	73.35	14,684	26.65
1.00-1.49 chia	76,409	100.00	59,910	78.41	16,499	21.59
1.50-1.99 chia	89,333	100.00	74,982	83.94	14,351	16.06
2.00-2.99 chia	122,291	100.00	103,834	84.91	18,457	15.09
3.00 chia and more	179,636	100.00	161,334	89.81	18,302	10.19

Table 7. Average Farm Family Receipts by Agricultural Regions, 1967

Region	Farm family receipts		Farm receipts		Non-farm receipts	
	Amount NT\$	%	Amount NT\$	%	Amount NT\$	%
Average	71,127	100.00	54,317	76.37	16,810	23.63
Yilan Rice Region	55,598	100.00	40,255	72.40	15,343	27.60
Taipei Rice Region	73,772	100.00	56,105	76.05	17,667	23.95
Taichung Rice Region	69,445	100.00	52,116	75.05	17,329	24.95
Kaohsiung Rice Region	79,000	100.00	60,355	76.40	18,645	23.50
Eastern Rice Region	48,062	100.00	39,306	81.78	8,756	18.22
Tea Region	68,679	100.00	50,591	73.66	18,088	26.34
Miaoli Mixed Farming Region	72,762	100.00	57,152	78.55	15,610	21.45
Taichung Mixed Farming Region	68,856	100.00	53,078	77.09	15,778	22.91
Alishan Mixed Farming Region	89,505	100.00	70,322	78.57	19,183	21.43
Banana-pineapple Region	95,118	100.00	83,519	87.81	11,599	12.19
Chianan Mixed Farming Region	69,626	100.00	52,539	75.46	17,087	24.54
Western Sugarcane Region	68,582	100.00	50,028	72.95	18,554	27.05
Eastern Sugarcane Region	64,203	100.00	53,856	83.88	10,347	16.12

The large receipts in the Banana-pineapple Region was presumably due to the increased exports of banana and pineapple during the year of 1967. On the other hand, lack of non-farm job opportunities and relative low yield are believed to have brought about the low income in the Eastern Rice Region. Generally speaking, farmers who grow cash crops or have better access to non-farm job opportunities received higher income in 1967 (Appendix I Table 7).

(C) Sources of farm family receipts

As mentioned earlier, farm receipts and non-farm receipts are the two sources of farm family receipts. Farm receipts in 1967 averaged about NT\$54,317, and non-farm receipts about NT\$16,810.

Among the various sources of farm receipts, crop production was by far the most important one, contributing 73.58 percent to the total farm receipts. Receipts from livestock production occupied the second place and accounted for 21.27 percent. Forestry production contributed 5.02 percent and the remaining 0.13 percent was derived from fishery production and others. Detailed statistical figures are shown in Table 8. (See also Appendix I Table 10.)

Table 8. Major Sources of Farm Family Receipts, 1967

Source	Amount Per Farm Household (NT\$)	Percentage Distribution
1. Farm receipts	54,317	100.00
Crop	39,965	73.58
Forestry and orchard	2,727	5.02
Livestock and poultry	11,555	21.27
Fisheries and others	70	0.13
2. Non-farm receipts	16,810	100.00
Land rent	64	0.38
House rent	2,562	15.24
Labor wages	2,446	14.55
Animal labor earnings	369	2.20
Power tiller earnings	198	1.18
Salary	7,735	46.01
Others	3,436	20.44

Receipts from non-farm sources include rent, labor wages, interest, salary and side-line earnings. Salary contributed more than 46.01 percent to the total non-farm receipts. Next in importance was the "others" category which accounted for 20.44 percent. It was then followed by 15.24 percent of house rent, 14.55 percent of labor wages and so on. House rent in this study also includes the imputed value on family-used premises and this is why it takes such a high percentage in non-farm family receipts. There is no particular reason for the inclusion, it is just to follow the rules laid down by the previous surveys. The major sources of non-farm receipts are also presented in Table 8. (For detailed information, see Appendix I Tables 12 and 13.)

Non-farm receipts varied inversely with farm size. As shown in Table 6, farmers in the smallest size group got about 44.29 percent of their total family receipts from non-farm sources while those in the largest size group took in only 10.19 percent from non-farm activities. The reason for this situation is not difficult to understand. Farms in the small size group are too small to absorb all the labors they have. Thus, they have labors to spare. The surplus labors will naturally look for jobs outside their farms, which, in turn, will enlarge their family receipts by bring home salary or other earnings.

(D) Cash and non-cash farm receipts

Farm products can be consumed on farm or sold on market. The former category includes food, feeds, seeds, and other products consumed or retained on the farms. The latter category refers to all the proceeds from the disposal of farm products.

The share of cash income in the total farm receipts is of particular significance. It is usually used as a yardstick to measure the degree of farm commercialization. In 1967, 64.18 percent of the total farm receipts was reported in cash form. The percentage of cash income in the total farm receipts also varied with farm size. Large farms usually have more products for sale on the market and thus yield relatively more cash receipts than the small ones. The averages of cash and non-cash receipts by farm size groups are shown in Table 9.

Table 9. Average Cash and Non-cash Farm Receipts by Size Groups, 1967

Size group	Total		Cash		Non-cash	
	Amount NT\$	%	Amount NT\$	%	Amount NT\$	%
Average	54,317	100.00	34,861	64.18	19,456	35.82
0.49 chia or less	23,984	100.00	13,251	55.25	10,733	44.75
0.50-0.99 chia	40,407	100.00	24,631	60.96	15,776	39.04
1.00-1.49 chia	59,910	100.00	38,397	64.09	21,513	35.91
1.50-1.99 chia	74,982	100.00	49,175	65.58	25,807	34.42
2.00-2.99 chia	103,834	100.00	70,627	68.02	33,207	31.98
3.00 chia and more	161,334	100.00	114,052	70.69	47,282	29.31

The percentage of cash income in the total farm receipts also varied with farming regions. The Banana-pineapple Region topped all other regions in percentage of cash receipts with an average of 75.26 percent. Yilan Rice Region had the smallest proportion of cash receipts and was the only area whose percentage of cash receipts has not surpassed the 50 percent mark. (See also Appendix I Table 9.)

Among the various types of agricultural production, fishery production received the highest percentage of cash receipts, averaging about 77.14 percent. Livestock was next, being 65.63 percent. Crop production ranked the third with 64.53 percent. Orchard and forestry together received about 52.55 percent of their total farm receipts in cash. The low percentage of cash income in the last category was due to the exclusion of banana and pineapple from the orchard category. Instead, banana and pineapple were included in the category of crop. If they had included in the orchard category, the percentage of cash receipts for crop production would have been much lower and that for orchard production would have been considerably higher than what we have observed.

(E) Farm receipts per chia

In a place where land is scarce, farm receipts per unit of land is of particular significance. In 1967, the average farm receipts per chia was NT\$48,934.

Farm receipts per chia varied inversely with farm size. Because of the

intensive use of land, small farms usually get a better-than-average figure of per unit farm receipts. The average of small farms in 1967 almost doubled that of the large ones. As shown in Table 10, farms with less than 0.5 chia of land had a per-chia average of NT\$72,679 while those with more than 3.00 chia averaged about NT\$39,639. The variation of per unit farm receipts in the 13 farming regions was also noticeable. The amount of NT\$69,374 was the average of Kaohsiung Rice Region and ranked the top. The lowest receipts was NT\$25,404 which happened in the Eastern Sugarcane Region. Detailed information is presented in Table 11.

Table 10. Farm Receipts Per chia by Size Groups, 1967

Size groups	Total		Cash		Non-cash	
	NT\$	%	NT\$	%	NT\$	%
Average	48,934	100.0	31,406	64.3	17,528	35.7
0.49 chia or less	72,679	100.0	40,155	55.2	32,524	44.8
0.50-0.99 chia	56,911	100.0	34,692	61.0	22,219	39.0
1.00-1.49 chia	49,107	100.0	31,473	64.1	17,634	35.9
1.50-1.99 chia	44,107	100.0	28,926	65.6	15,181	34.4
2.00-2.99 chia	43,085	100.0	29,307	68.0	13,778	32.0
3.00 chia or more	39,639	100.0	28,022	76.5	11,617	23.5

Table 11. Farm Receipts Per chia by Agricultural Regions, 1967

Region	Total		Cash		Non-cash	
	NT\$	%	NT\$	%	NT\$	%
Average	48,934	100.0	31,406	64.3	17,528	35.7
Yilan Rice Region	37,621	100.0	18,131	48.2	19,490	51.8
Taipei Rice Region	50,545	100.0	31,690	62.7	18,855	37.3
Taichung Rice Region	64,341	100.0	41,503	64.5	22,838	35.5
Kaohsiung Rice Region	69,374	100.0	49,205	70.9	20,169	29.1
Eastern Rice Region	27,877	100.0	14,729	52.8	13,148	47.2
Tea Region	39,835	100.0	21,589	54.2	18,246	45.8
Miaoli Mixed Farming Region	46,465	100.0	26,810	57.7	19,655	42.3
Taichung Mixed Farming Region	50,550	100.0	26,376	52.2	24,174	47.8
Alishan Mixed Farming Region	57,172	100.0	34,218	59.8	22,954	40.2
Banana-pineapple Region	52,199	100.0	39,285	75.6	12,914	24.4
Chianan Mixed Farming Region	49,565	100.0	34,561	69.7	15,004	30.3
Western Sugarcane Region	46,322	100.0	30,342	65.5	15,980	34.5
Eastern Sugarcane Region	25,404	100.0	16,368	64.4	9,036	35.6

In using the per chia statistics, attention should be paid to an assumption which is implicit in the statement. That is, the average farm receipts per chia in the small farms of less than one chia was derived on the condition that proportional increase of farm inputs will bring about proportional increase in output. Or, in technical terms, the production function is homogeneous of degree one and the elasticity of production is unity all through the range of the production scale.

(3) Farm Family Expenditures

Farms in Taiwan are primarily family farms. Farm and family are one unit and inseparable. Therefore, farm family expenditures include both farm operation expenditure and farm family living expenditure. Farm operation expenditures consist of all the costs incurred, directly or indirectly, in cash or in kind, as a result of farm production. It should be pointed out, however, that farm expenditures in this study do not include the imputed wages of family labors. But the depreciation allowances on farm houses and machineries were counted.

Average farm family expenditures in Taiwan amounted to NT\$67,908 in 1967. Of this total, NT\$30,739 (45.3 percent) was used for farm production and NT\$37,169 (or 54.7 percent) was spent for family living purpose (Appendix I Table 15).

(A) Farm expenditures

The sample farms of this survey reported an average farm expenditure of NT\$30,739 in 1967, excluding unpaid family labor.

As expected, farm expenditures was in direct proportion with farm size. Small farms spent about NT\$13,990 in their 1967 production while large farms with 3.0 chia or more disbursed NT\$85,161 for the same purpose.

Among the 13 farming regions, Banana-pineapple Region led all others by spending NT\$51,211 per farm for farm production. It was followed by Alishan Mixed Farming Region. Despite the fact that the average farm size is comparatively larger in the Eastern Rice Region its farm expenditure was the lowest, averaging about NT\$15,465. It is also noted that about 76.68

percent of farm expenditure was paid out in cash, and the remaining 23.32 percent in kind. The percentages of cash expenditure in the 13 agricultural regions ranged from 72.55 percent to 81.98 percent. In other words, about three-fourths of the farm input in Taiwan was obtained through market channel (Appendix I Table 17).

Farmers in Taiwan pay out about one half of their farm expenditure (both cash and non-cash) for procuring feeds and fertilizer. According to this survey, farm expenditure on feeds took about 23.42 percent of the total farm expenditure, and the amount spent on fertilizer accounted for 24.38 percent. The third important item of farm expenditure was hired-labor wages which took 13.70 percent. The rest of the farm expenditure was spent on a number of things, such as seedling, pesticides, rent, irrigation, depreciation allowance, land tax, etc. Table 12 presents a breakdown of farm expenditure by cost items (Appendix I Table 18).

Table 12. Farm Expenditures per Chia and per Farm by Cost Items, 1967

Item	Average farm expenditure per farm NT\$	Percentage	Average farm expenditure per chia NT\$
Total	30,739	100.00	27,693
Wages (for hired labor)	4,212	13.70	3,794
Fertilizer	7,494	24.38	6,751
Feeds	7,200	23.42	6,487
Seeds and seedlings	1,430	4.65	1,288
Livestock expenses	1,452	4.72	1,308
Agricultural chemicals	1,486	4.83	1,339
Livestock medicine and veterinary expenses	180	0.59	162
Materials	675	2.20	608
Land tax and surcharge	1,818	5.92	1,638
Land rent	455	1.48	410
House maintenance	339	1.10	305
Machine maintenance	115	0.37	104
Purchase of new implements	94	0.30	85
Irrigation fee	1,246	4.06	1,123
Interest	657	2.14	592
Depreciation	1,131	3.68	1,019
Miscellaneous	755	2.46	680

Taking into account of the unpaid wages for farm family labors, the average labor costs per farm would be NT\$13,621 instead of NT\$4,212. In other words, the unpaid wages was estimated to be NT\$9,409, or accounted for 69.07 percent of the total farm labor costs (Appendix I Table 19).

It is noted that the share of hired labor in the farm labor force increased with farm size. More than 40 percent of farm labor in the large farms was supplied by hired labors. It is also interesting to know that even in the small farms where surplus labor is generally believed to exist, the share of hired labor still accounted for 25 percent of the total farm labor input.

(B) Farm family living expenditure

The average farm family living expenditure in 1967 was NT\$37,169, of which NT\$26,408 was cash expenditure and NT\$10,761 was expenditure in kind.

Farm family living expenditures in the 13 farming regions are different. On average basis, farm families in Alishan Mixed Farming Region spent more money for living than the families in other regions. They reported an average of NT\$46,590 per household. Since family sizes in all regions were about the same, large family spending reflected higher standard of living. The lowest farm family living expenditure was reported in the Eastern Rice Region, averaging about NT\$23,249.

Food was the major item of farm family living expenditure and took about one half of the total spending. It consists of two major categories—staple food and supplement food. Staple food is made from rice and flour. Supplement food includes meat, fish, chicken and various vegetables which are served to go with major food. In combination they took 46.81 percent of the total farm family living expenditure. In Table 13 there are three other items which may attract our attention. They are the expenditures for wedding, funeral or other ceremonies and social expenses. Altogether they accounted for 13.37 percent (Appendix I Table 22). This sort of consumption, as we all know, add nothing to farm production, and ought to be curtailed.

It is interesting to study the changes of consumption pattern in the different size groups. By and large, large farms spent about four percent

less for staple food than small farms did, but they also spent a smaller percentage for supplement food. It was also discovered that the expenses for transportation, education and social relation increased with farm size (Appendix I Table 23). Thus, children of the large farms are generally better educated.

Table 13. Average Farm Family Living Expenditure by Cost Items, 1967

Item	Amount NT\$	Percentage
Total	37,169	100.00
Staple food consumption	8,864	23.85
Supplementary food	8,534	22.96
Clothing	2,249	6.05
House rent	2,545	6.85
Furniture expenses	315	0.85
Electricity	1,144	3.08
Medical expenses	2,462	6.62
Education	2,000	5.38
Wedding and funeral	1,600	4.30
Principle ceremonies	1,721	4.63
Social expenses	1,651	4.44
Interest	479	1.29
Transportation	569	1.53
Tax	668	1.80
Miscellaneous	2,368	6.37

(4) Farm Family Earnings

By our definition, farm family earnings is the difference between farm family receipts and farm expenditures (or farm earnings + non-farm receipts). The magnitude of farm family earnings is generally used as a yardstick to measure the success or failure of farm operation and other farm family undertakings.

Since about 80 percent of farm family receipts comes from farm sources, the size of farm is expected to have close relation with the amount of farm family earnings. Farms with 0.49 chia or less of land received an average farm family earnings of NT\$29,065, while those with more than 3.0 chia got as much as NT\$94,475. Table 14 shows the changes of farm family

earnings in the six size groups.

Table 14. Average Farm Family Earnings by Size Groups, 1967

Size group	Average family earnings NT\$	Per capita family earnings NT\$
Average	40,388	4,866
0.49 chia or less	29,065	4,037
0.50-0.99 chia	31,508	4,201
1.00-1.49 chia	42,587	4,952
1.50-1.99 chia	48,485	5,213
2.00-2.99 chia	61,476	5,489
3.00 chia and more	94,475	8,511

Farm family earnings in the 13 farming regions were also different, but the differences are relatively small when compared with the variation among farm sizes. Alishan Mixed Farming Region was again on the top. It was followed by Kaohsiung Rice Region and Banana-pineapple Region. The lowest family earnings was found at Eastern Rice Region with an average of NT\$32,597. Among the 13 farming regions, five of them did better than the province average—Taipei Rice Region, Kaohsiung Rice Region, Miaoli Mixed Farming Region, Alishan Mixed Farming Region and Banana-pineapple Region; eight regions were below the average—Yilan Rice Region, Taichung Rice Region, Eastern Rice Region, Taichung Mixed Farming Region, Chianan Mixed Farming Region, Western Sugarcane Region, Eastern Sugarcane Region and Tea Region (Appendix I Table 24).

To put family earnings on per capita basis may give us a better picture of the income level of farm people in Taiwan. The per capita average of farm family earnings in 1967 was estimated at NT\$4,866. It increased with the size of farm. As shown in Table 14, the difference between small and large farms is quite large. The per capita family earnings of the large farms is twice larger than the small ones. According to official statistics of 1967, per capita income in Taiwan as a whole was NT\$8,461 which is much higher than the average income of farm people. This is something to which attention should be paid.

Since farm family earnings is the major source of family living expenditure, it should be able to dictate the standard of living. Thus, farmers in Kaohsiung Rice Region, Alishan Mixed Farming Region and

Banana-pineapple Region might have enjoyed a higher living standard in the year of 1967.

(5) Farm Earnings

Farm earnings is equal to the amount of farm receipts minus farm expenditures. It represents the "net income" of farm operation.* The average farm earnings in 1967 amounted to NT\$23,578.

Compiled survey data indicated that average farm earnings varied positively with farm size. Farms with 0.49 chia or less of farm land made a total of NT\$9,994, while those with 3.0 chia or more received NT\$76,173 (Table 15). The differences of farm earnings in the 13 farming regions were also noticeable. The Banana-pineapple Region performed much better than other regions did. Detailed statistics are presented in Table 16 and Appendix I Table 26.

Table 15. Average Farm Earnings per Households and per Chia by Size Groups, 1967

Farm size	Average farm earnings per household NT\$	Average farm earnings per chia NT\$	Average farm earnings per man-equivalent NT\$
Average	23,578	21,241	10,967
0.49 chia or less	9,994	30,285	5,884
0.50-0.99 chia	16,824	23,696	8,672
1.00-1.49 chia	26,088	21,384	11,101
1.50-1.99 chia	34,134	20,079	13,491
2.00-2.99 chia	43,019	17,850	14,058
3.00 chia and more	76,173	18,716	23,954

In a place where land is relatively scarce, average farm earnings per chia is of special significance. In the 1967 survey, the province average of per chia farm earnings was estimated at NT\$21,241. An inverse relationship between per chia farm earnings and farm size was discovered. Because of intensive cultivation, small farms usually obtained higher returns per unit of land (Table 15 and Appendix I Table 27).

* In computing "net income" we did not take into account of the imputed value of family labors.

**Table 16. Average Farm Earnings per Farm Household
and per Chia by Agricultural Regions, 1967**

Region	Average farm earnings per household NT\$	Average farm earnings per chia NT\$	Average farm earnings per man-equivalent NT\$
Average	23,578	21,241	10,967
Yilan Rice Region	17,567	16,418	8,828
Taipei Rice Region	22,929	20,657	10,867
Taichung Rice Region	22,557	27,848	10,741
Kaohsiung Rice Region	27,895	32,063	14,018
Eastern Rice Region	23,841	16,909	9,893
Tea Region	22,296	17,556	10,181
Miaoli Mixed Farming Region	29,657	24,111	13,065
Taichung Mixed Farming Region	23,919	22,780	13,070
Alishan Mixed Farming Region	28,871	23,472	11,881
Banana-pineapple Region	32,308	20,193	12,474
Chianan Mixed Farming Region	21,905	20,665	10,531
Western Sugarcane Region	19,778	18,313	9,114
Eastern Sugarcane Region	27,965	13,191	10,839

(6) Farm Output-Input Ratio

Output-input ratio is defined in this study as the rate of returns per one dollar expenditure for agricultural production. It can be stated as the quotient of farm receipts and farm expenditures. It should be pointed out, however, that high output-input ratio does not necessarily mean large farm earnings, for farm earnings depends on the difference between farm receipts and farm expenditures and it has no direct relation with output-input ratio whatsoever.

Farm output-input ratio in 1967 was estimated at 1.77; that means, one dollar farm expenditure can make 1.77 dollars of returns. It should be pointed out again that farm expenditures in this report do not include the value of unpaid family-labor wages and interest of land investment. If they were included, the value of farm output-input ratio would have been much smaller.

Farm output-input ratios in the 13 farming regions were of considerable

variation. The Eastern Rice Region had the highest rate of 2.54 and it was followed by 2.08 of Miaoli Mixed Farming Region and of Eastern Sugarcane Region. The lowest ratio was 1.63 which happened in the Banana-pineapple Region. The output-input ratios of the 13 farming regions are presented in Table 17.

Table 17. Farm Output-Input Ratios by Agricultural Regions, 1967

Region	Output-input ratio
Average	1.77
Yilan Rice Region	1.77
Taipei Rice Region	1.69
Taichung Rice Region	1.76
Kaohsiung Rice Region	1.86
Eastern Rice Region	2.54
Tea Region	1.79
Miaoli Mixed Farming Region	2.08
Taichung Mixed Farming Region	1.82
Alishan Mixed Farming Region	1.70
Banana-pineapple Region	1.63
Chianan Mixed Farming Region	1.72
Western Sugarcane Region	1.65
Eastern Sugarcane Region	2.08

The differences of output-input ratio among the six groups of farm size are quite small. No clear relation between output-input ratio and size of farm was discovered (Appendix I Table 28).

(7) Farm Family Surplus

Farm family surplus is the balance of farm family receipts minus farm family expenditures (or farm family earnings-farm family living expenditure). It can be considered as family savings. The average farm family surplus in 1967 reached NT\$3,219. This represents a saving rate of 8.0 percent.* According to this survey and on average basis, all farmers in Taiwan had realized some surplus in 1967 except those whose land area was in the group of 0.50-0.99 chia. Generally speaking, farm family surplus increased with farm size. Farmers with less than 0.50 chia had an average

* Farm family saving rate = $\frac{\text{farm family surplus}}{\text{farm family earnings}} \times 100$

surplus of NT\$1,060 while those with 3.0 chia or more received about NT\$28,316. The reason for the deficit which appeared in the group of 0.50-0.99 chia was not clear. The only explanation we can offer at this time is that the average family receipts in that group were rather low in comparison with other groups (Appendix I Table 29).

The variation of farm family surplus in the 13 farming regions is considerably great, it varied from a surplus of NT\$9,348 to a loss of NT\$1,491. The highest farm surplus was reported in Eastern Rice Region, and the loss was reported in Yilan Rice Region. The surplus in the Eastern Rice Region is rather surprising, since it is in this region that we have observed the lowest farm family receipts. Thus, the surplus was primarily the result of low expenditure. The deficit in Yilan Rice Region was presumably caused by typhoon and it is likely that some sample farms were drawn from the disaster area. The average farm family surplus and saving rate by region in 1967 are presented in Table 18.

Table 18. Average Farm Family Surpluses and Rates of Saving by Agricultural Regions, 1967

Region	Farm family surplus NT\$	Rate of saving
Average	3,219	8.0
Yilan Rice Region	-1,491	-4.5
Taipei Rice Region	2,745	6.8
Taichung Rice Region	4,323	10.8
Kaohsiung Rice Region	6,158	13.2
Eastern Rice Region	9,348	28.7
Tea Region	1,605	4.0
Miaoli Mixed Farming Region	8,225	18.2
Taichung Mixed Farming Region	-313	-0.8
Alishan Mixed Farming Region	1,464	3.0
Banana-pineapple Region	910	2.1
Chianan Mixed Farming Region	2,274	5.8
Western Sugarcane Region	3,150	8.2
Eastern Sugarcane Region	4,415	11.5

(8) Farm Assets

Farm assets in this report include land, forest, orchard, farm houses,

farm implements, livestock and so on. The value of farm assets was assessed at the end of 1967.

The average farm assets at the end of 1967 amounted to NT\$308,456. Of this total, land accounted for 87.35 percent, forest and orchard together 1.99 percent, farm houses or other construction 8.13 percent, farm implements 1.26 percent and livestock 1.27 percent (Appendix I Table 30).

In the present survey, an inquiry was made as to the value and items of farm assets which were purchased during the year of 1967. The survey result revealed that the average farm in Taiwan purchased about NT\$5,175 worth of farm assets. Among the purchased items, land accounted for 46.92 percent, construction 26.78 percent, farm implements 12.37 percent, livestock 5.84 percent, and land improvement 8.09 percent (Appendix I Tables 31, 32 and 33).

Part II. Comparison of Farm Income in 1967 with 1952, 1957, and 1962

In Part I of this study, we have presented a summary report on the farm income survey of 1967. But it is our belief that this study would become more meaningful if a comparison with the previous surveys can be made, for this will not only show the general trend of farm income in Taiwan during the 15-year period but may also indicate some structure changes in Taiwan's agriculture.

1. Changes in Farm Land and Family Size

As population continues to increase while total cultivated land remains about the same, the contraction of farm size and the decrease of per capita farm land seems inevitable. The average farm size in Taiwan was 1.30 chia in 1952, 1.19 chia in 1957, 1.15 chia in 1962 and 1.11 chia in 1967. A similar declining trend was also observed in the change of per capita farm land. The per capita average of farm land was 0.16 chia in 1952, 0.14 chia in 1957, 0.13 chia in 1962 and 0.13 chia in 1967. On the other hand, however, changes in farm land per man-equivalent have exhibited a different trend. The average farm land per man-equivalent was 0.40 chia in 1952, 0.43 chia in 1957, 0.53 chia in 1962 and 0.52 chia in 1967. As shown in Table 19, this was largely brought about by the decrease in the number of man-equi-

valent in the farm families rather than the other way around.

Table 19. Change in Average Farm Size, per Capita Farm Land, Farm Land per Man-equivalent and Average Farm Family Size, 1952-1967

	1952	1957	1962	1967	Percentage changes		
					1952-1957	1957-1962	1962-1967
Average farm size (Chia)	1.30	1.19	1.15	1.11	-8.46	-3.36	-3.48
Average family size (Person)	8.14	8.39	8.58	8.34	+3.07	+2.26	-2.80
Average number of man-equivalent	3.21	2.80	2.15	2.15	-12.80	-23.21	0
Per capita farm land (Chia)	0.16	0.14	0.13	0.13	-12.50	-4.29	-0.75
Farm land per man-equivalent (Chia)	0.40	0.43	0.53	0.52	+7.50	+23.26	-1.89

Change in family size over the past 15 years was not significant. The average family size was 8.14 persons in 1952, 8.39 in 1957, 8.58 in 1962 and 8.34 in 1967. Roughly speaking, the trend is similar to the rate of population growth. According to official statistics, natural rates of increase in Taiwan were quite high during the years from 1952 to 1957, averaging about 3.5 percent every year. Since then it has declined and dropped from 3.10 percent in 1962 to 2.30 percent in 1967. The decrease in population growth rate is probably the result of the family planning program which was initiated in Taiwan under the assistance from JCRR and is being carried out by local health organizations.

2. *Changes in Farm Family Receipts*

In order to facilitate our comparison and to make the comparison meaningful, we have converted the value of farm family receipts into constant NT dollars by using 1952 as the base period. The index number we used in deflating the receipts were 164 for 1957, 249 for 1962 and 293 for 1967.

After price adjustment, average farm family receipts were NT\$12,500 in 1952, NT\$14,671 in 1957, NT\$15,826 in 1962 and NT\$24,275 in 1967. The increase during the 15-year period was 94.2 percent, or 4.52 percent annually. If we treat every five year as a single period and calculate link index, the

increase was 17.4 percent during the period from 1952 to 1957, 7.9 percent from 1957 to 1962 and 53.4 percent from 1962 to 1967 (Table 20). Many factors are responsible for these changes and it is generally believed that increased yield per unit of land, more employment in non-farm business and the increased export of agricultural products are the major ones. The drastic increase during the last period is rather doubtful. Effort has been made in checking this figure with the survey data of 1967, but no defect has been discovered. It appears that the income data of 1962 was somewhat underestimated.*

It can be seen from Table 20 that all regional farm family receipts show continued increase during the period 1952-1967 with the exception of Eastern Rice Region and Alishan Mixed Farming Region. But it is pretty hard to single out any region or crop which has absolute advantage over other region throughout the years. By and large, farmers of fruit growing and mixed farming regions appear to fare better than the farmers of other regions.

During the period from 1952 to 1967 increase in farm family receipts was also reported in every size group. The percentage increase in small farms was greater than the larger ones. Using 1952 as the base year again the index number of farm family receipts in 1967 was 255.19 for the farms with less than 0.5 chia and 200.08 for the farms in the group of more than 2.00 chia of land.

Since 1952 there has been an upward trend in the proportion of non-farm receipts. Non-farm receipts contributed about 13.02 percent to the total farm family receipts in 1952 and its share went up to 21.61 percent in 1957, 25.03 percent in 1962 and 23.63 percent in 1967 (Appendix I Table 35). With the prices of farm products relatively stable, the role of non-farm income has become more important, and this is particularly true for the farm families of small size group in which surplus labor is believed to exist.

The percentage of cash receipts increased also. It was 44.02 percent in 1952, 62.60 percent in 1957, 59.13 percent in 1962 and 69.12 percent in

* Y.C. Tsui, "Summary Report on Farm Income of Taiwan in 1962" Rural Economics Division of JCRR, 1963 (mimeographed).

Table 20. Farm Family Receipts Per Household of 1952, 1957, 1962 and 1967
(at 1952 price)

Region	1952			1957			1962			1967		
	Amount NT\$	Index 1952=100	Link index	Amount NT\$	Index 1952=100	Link index	Amount NT\$	Index 1952=100	Link index	Amount NT\$	Index 1952=100	Link index
Average	12,500	100	—	14,671	117.4	117.4	15,826	126.6	107.9	24,275	153.4	194.2
Yilan Rice Region	14,000	100	—	15,225	108.8	108.8	14,194	101.4	93.2	18,975	133.7	135.5
Taipei Rice Region	16,833	100	—	17,636	104.8	104.8	20,992	124.7	119.0	25,178	149.9	149.6
Taichung Rice Region	13,355	100	—	14,373	107.6	107.6	19,659	147.2	136.8	23,701	177.5	177.5
Kaohsiung Rice Region	13,037	100	—	14,330	109.9	109.9	19,605	150.4	136.8	26,962	206.8	206.8
Eastern Rice Region	14,677	100	—	9,129	62.2	62.2	12,961	88.3	142.0	16,403	111.8	111.8
Tea Region	14,254	100	—	16,267	114.1	114.1	16,944	118.9	104.2	23,440	164.4	164.4
Miaoli Mixed Farming Region	11,886	100	—	17,327	145.8	145.8	16,394	137.9	94.6	24,833	208.9	208.9
Taichung Mixed Farming Region	10,096	100	—	15,262	151.2	151.2	16,084	159.3	105.4	23,500	232.8	232.8
Alishan Mixed Farming Region	12,318	100	—	12,561	102.0	102.0	11,216	91.1	89.3	30,548	272.4	248.0
Banana-pineapple Region	11,402	100	—	14,551	127.6	127.6	15,761	138.2	108.3	32,463	284.7	284.7
Chianan Mixed Farming Region	10,547	100	—	13,878	131.6	131.6	12,992	123.2	93.6	23,763	225.3	225.3
Western Sugarcane Region	9,734	100	—	14,290	146.8	146.8	13,288	136.5	93.0	23,407	240.5	240.5
Eastern Sugarcane Region	12,231	100	—	12,248	100.1	100.1	12,491	102.1	102.0	21,912	175.4	179.2

1967 (Appendix I Table 36). In terms of index number and using 1952 as the base period, the index number of cash receipts was 167.0 in 1957, 170.1 in 1962 and 304.9 in 1967. The upward trend in cash receipts is generally considered as an encouraging sign in the course of economic development, for it reflects the phenomenon that farmers in Taiwan have gradually left the stage of subsistence farming and moved forward to the commercial type of production.

3. Changes in Farm Receipts

In terms of constant NT dollar, the average of farm receipts was NT\$ 10,873 in 1952, NT\$11,501 in 1957, NT\$11,864 in 1962 and NT\$18,539 in 1967. The increase in the past 15 years was about 70 percent, or 3.6 percent per year (Appendix I Table 37).

As far as income components are concerned, farm receipts from crop production continued to contribute the lion's share despite the fact that a declining trend in percentage seemed appearing. Crop production in 1952 contributed 81 percent of the total farm receipts; its share dropped to 74 percent in 1957, bounced back to 81 percent in 1962 and fell to 73 percent in 1967. The position of livestock production was 18 percent in 1952, 23 percent in 1957, 17 percent in 1962 and 21 percent in 1967. Receipts from other sources besides crop and livestock production also increased. Their share in 1952 was less than one percent. It climbed to 3 percent in 1957, 2 percent in 1962 and 5 percent in 1967. (See also Appendix I Table 37.)

Compared with farm receipts, non-farm receipts has increased at a much faster rate. This is shown in Chart 1. Chart 1 also presents a graphical picture of the relative relationship between farm, non-farm and farm family receipts. It is obvious from the chart that farm family receipts is largely determined by the trend of farm receipts. However, as the share of non-farm income becomes larger, it will play a more important role in setting the pace for future farm family receipts.

It is worth of noting that productivity of farm labor has also advanced. In this report, labor productivity is expressed in terms of farm receipts per man-equivalent. As shown in Table 21, labor productivity showed a continued rising trend. It increased by 21.29 percent in 1957 over the year of 1952, by 34.32 percent in 1962 over the year of 1957 and by 56.27 percent

in 1967 over the year of 1962.

Chart 1. Relationship Between Farm Receipts, Non-farm Receipts and Farm Family Receipts, 1952-1967

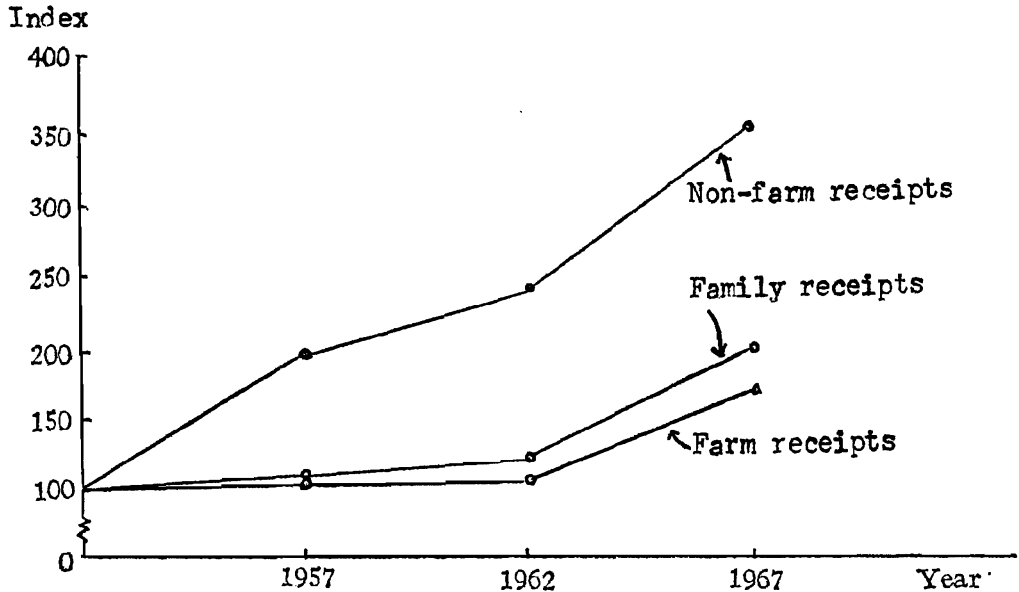


Table 21. Changes in Per Capita Farm Receipts and Farm Receipts per Man-equivalent, 1952-1967
(at 1952 price)

	1952	1957	1962	1967
Farm receipts (NT\$)	10,873	11,501	11,864	18,539
Farm family size (person)	8.14	8.39	8.58	8.34
Number of man-equivalent	3.21	2.80	2.15	2.15
Per capita farm receipts (NT\$)	1,336	1,371	1,383	2,223
Rate of change (%)		+2.62	+0.88	+60.74
Farm receipts per man-equiv. (NT\$)	3,387	4,108	5,518	8,623
Rate of change (%)		+21.29	+34.32	+56.27

4. Changes in Farm Expenditures

Along with the increase of farm receipts, the average farm expenditure went up also. In terms of constant dollar, the average farm expenditures were NT\$5,139 in 1952, NT\$6,059 in 1957, NT\$6,144 in 1962 and NT\$10,491 in 1967 (Appendix I Table 38). The average annual increase was 6.94 percent. In terms of five-year link index, the increase was 17.9 percent during the

period from 1952 to 1957, 1.4% from 1957 to 1962 and 70.8% from 1962 to 1967. Higher labor wages and increased use of chemical fertilizer and other farm inputs are believed to be the major factors which caused the increase.

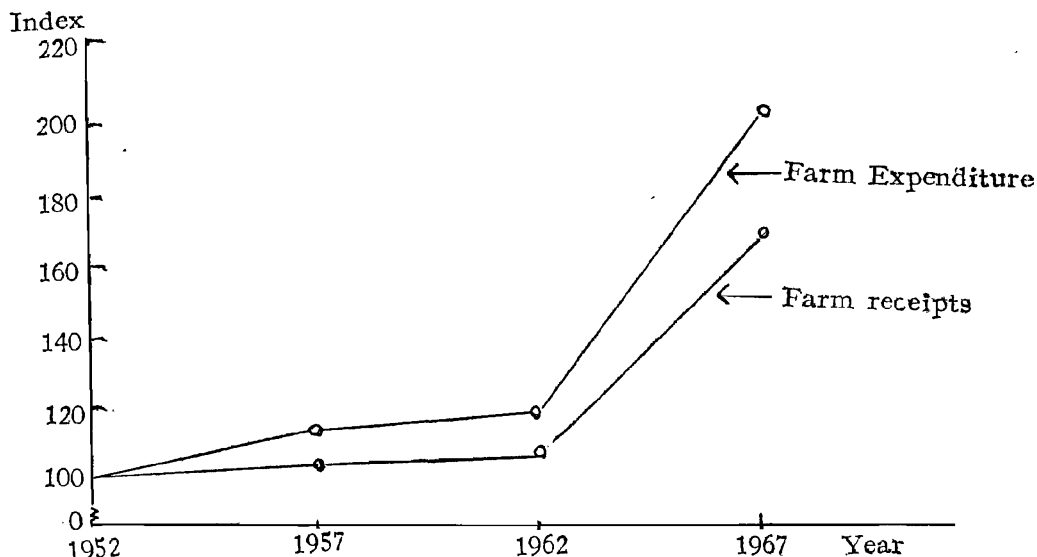
One of the distinguishing features in the changes of farm expenditure was the continued increase of cash outlays and the relative decline of non-cash spending. Table 22 shows the relative changes of cash and non-cash expenditures in terms of index numbers.

Table 22. Index of Changes in Farm Expenditures 1952-1967

	1952	1957	1962	1967
Total	100	117.9	119.6	204.1
Cash expenditure	100	189.7	194.5	393.4
Non-cash expenditure	100	70.5	70.0	79.1

Although both farm receipts and farm expenditure showed upward trend, they were not parallel. As shown in Chart 2, farm expenditures increased at a much faster rate than farm receipts did. This tends to squeeze the

Chart 2. Relationship Between Farm Receipts and Farm Expenditures, 1952-1967



magnitude and slow down the increase of farm earnings. The result is reflected by the changes in output-input ratios. Since 1952 there has been a declining trend in the change of output-input ratio. As presented in Table 23, they were 2.12 in 1952, 1.90 in 1957, 1.93 in 1962 and 1.77 in 1967.

Table 23. Changes in Farm Output-input Ratios, 1952-1967

(at 1952 price)

	1952	1957	1962	1967
Farm receipts (NT\$)	10,873	11,501	11,864	18,539
Farm land (chia)	1.30	1.19	1.15	1.11
Farm expenditures (NT\$)	5,139	6,059	6,144	10,491
Farm receipts per chia (NT\$)	8,364	9,665	10,317	16,702
Rate of change (%)		+15.55	+6.75	+61.89
Farm expenditure per chia (NT\$)	3,953	5,092	5,343	9,451
Rate of change (%)		+28.81	+4.93	+76.89
Output-input ratio	2.12	1.90	1.93	1.77
Rate of change (%)		-10.38	+1.58	-8.29

5. Changes in Farm Family Earnings

As we defined earlier, farm family earnings is the difference between farm family receipts and farm expenditure, it is the amount of income which the family is free to use. Consequently, the size of farm family earnings plays a very critical role in the level of living standards of the farm people. In terms of constant NT dollar of 1952, the average farm family earnings were NT\$7,361 in 1952, NT\$8,612 in 1957, NT\$9,682 in 1962 and NT\$13,784 in 1967. During the 15 years, farm family earnings increased by 87 percent, or 5.8 percent annually. The link index numbers were 117.0 in 1957, 112.4 in 1962, and 142.4 in 1967 (Table 24 and Appendix I Table 39).

Judging by the size groups, farm families in the smaller size group usually realized larger increase. In the 15-year period, farmers with 0.49 chia or less of cultivated land obtained an increase of 163.48 percent while those with more than 2 chia achieved a gain of 73.08 percent. The changes in average farm family earnings by size groups are shown in Table 25.

Table 24. Changes in Farm Family Earnings by Agricultural Regions, 1952-1967
(at 1952 price)

Region	1952			1957			1962			1967		
	Amount NT\$	Link index	Index 1952 =100	Amount NT\$	Link index	Index 1952 =100	Amount NT\$	Link index	Index 1952 =100	Amount NT\$	Link index	Index 1952 =100
Average	7,361	—	100	8,612	117.0	117.0	9,682	112.4	131.5	13,781	142.4	187.3
Yilan Rice Region	8,299	—	100	9,308	112.2	112.2	8,011	85.1	96.5	11,232	140.2	135.3
Taipei Rice Region	9,734	—	100	10,300	105.8	105.8	13,056	125.9	134.2	13,855	106.0	142.3
Taichung Rice Region	7,443	—	100	8,471	113.8	113.8	11,104	131.1	149.2	13,613	122.6	182.9
Kaohsiung Rice Region	7,607	—	100	7,815	102.7	102.7	12,480	159.7	164.1	15,884	127.3	208.8
Eastern Rice Region	8,958	—	100	6,108	68.2	68.2	8,656	141.7	96.6	11,125	128.5	124.2
Tea Region	9,213	—	100	11,336	123.0	123.0	11,431	109.8	124.1	13,783	120.6	149.6
Miaoli Mixed Farming Region	7,457	—	100	11,356	152.2	152.2	11,358	100.0	152.3	15,449	136.0	207.2
Taichung Mixed Farming Region	5,997	—	100	10,050	167.6	167.6	9,416	93.7	157.0	13,548	143.9	225.9
Alishan Mixed Farming Region	8,362	—	100	7,171	85.8	85.8	6,790	94.7	81.2	16,401	241.5	196.1
Banana-pineapple Region	7,197	—	100	8,460	117.5	117.5	9,754	115.3	135.5	14,985	153.6	208.2
Chianan Mixed Farming Region	6,118	—	100	7,676	125.5	125.5	6,434	83.8	105.2	13,308	206.8	217.5
Western Sugarcane Region	5,400	—	100	7,669	142.0	142.0	7,151	93.2	132.4	13,082	182.9	242.3
Eastern Sugarcane Region	8,616	—	100	8,252	95.8	95.8	8,144	98.7	94.5	13,076	160.6	151.8

Table 25. Changes in Average Farm Family Earnings by Size Groups, 1952-1967

(at 1952 price)

Unit: NT\$

Size group	1952	1957	1962	1967	Rate of change		
					1952-57	1957-62	1962-67
Average	7,361	8,612	9,682	13,784	+17.0	+12.4	+42.4
0.49 chia or less	3,765	5,014	5,655	9,920	+33.2	+12.8	+75.4
0.50-0.99 chia	5,097	6,873	7,937	10,754	+34.8	+15.5	+35.5
1.00-1.99 chia	8,010	9,481	11,145	15,297	+18.4	+17.6	+37.3
2.00 chia and more	14,653	16,606	17,631	25,361	+13.3	+ 6.2	+43.8

The average per capita farm family earnings received by Taiwan farmers were NT\$904 in 1952. Its corresponding value of 1967 was NT\$4,866. At constant price of 1952, the per capita farm family earnings of 1967 were NT\$1,661 which is 84 percent higher than the average of 1952. Their changes during each period are shown in Table 26.

Table 26. Comparison Between Per Capita Farm Family Earnings and Per Capita National Income, 1952-1967

Year	Per capita farm family earnings (A)		Per capita national income (B)		A/B
	Current NT\$	1952 NT\$	Current NT\$	1952 NT\$	
	1952	904	904	1,716	
1957	1,680	1,024	3,198	1,974	51.87
1962	2,810	1,128	5,189	2,316	48.70
1967	4,866	1,661	8,461	3,358	49.46

In comparison with per capita national income, farm people in Taiwan is rather in an unfavorable position.* As shown in Table 26, the per capita farm family earnings is only about one half of the per capita national income of their corresponding years. Moreover, the ratio between per capita farm family earnings and per capita national income appears to be declining. It was 52.68 percent in 1952, 51.87 percent in 1957, 48.70 percent in 1962 and 49.46 percent in 1967. In terms of the growth rate, the per capita farm family earnings also lagged behind. During the 15 years, per capita

* The writer realizes the fact that per capita national income and per capita farm family earning are not strictly comparable. But it does serve to point out the disparity between the incomes of farm and non-farm people.

national income increased by 92 percent while the per capita farm family earnings by 84 percent.

6. *Changes in Family Living Expenditures*

In the first income survey (1952), farm family living expenditures were not calculated specifically, thus no information is available. But this does not prevent us from using 1952 as the base year. In terms of 1952 NT dollar, farm family living expenditure in 1957 was NT\$7,944. It increased to NT\$8,312 in 1962 and further advanced to NT\$11,601 in 1967.

During the 10-year period from 1957 to 1967, farm family living expenditure of the sample farms increased by 46 percent. Education expenses, among the major items, increased much faster than other did. Its increase during the last five-year period was particularly remarkable. As shown in Table 27, education expenditure in 1962 accounted for not more than three percent of the total farm family living expenditure; its percentage was almost doubled in 1967. This change may reflect two things. First, farm families in Taiwan have put more children in school or kept their children in school for a longer period. Second, cost of education have increased. Very likely, it is a combination of the two.

Table 27. Farm Family Living Expenditures by Items, 1957-1967

	1957			1962			1967		
	Current NT\$	1952 NT\$	%	Current NT\$	1952 NT\$	%	Current NT\$	1952 NT\$	%
Total	13,028	7,944	100	20,697	8,312	100	33,993	11,601	100
Food	7,459	4,548	57.3	11,383	4,572	55.0	17,398	5,938	51.2
Clothing	1,036	632	7.9	1,373	551	6.6	2,249	768	6.6
Education	327	199	2.5	574	231	2.8	2,000	683	5.9
Principal ceremonies	1,290	787	9.9	2,022	812	9.7	3,321	1,133	9.8
Interest	130	79	1.0	250	100	1.2	479	163	1.4
Medicine, sanitation	706	431	5.4	1,029	413	5.0	2,462	840	7.2
others	2,080	1,268	16.0	4,066	1,633	19.7	6,084	2,076	17.9

Food expenditure continued to expand during the years under discussion, but its percentage in the total family living expenditure declined. It was 57.3 percent in 1957 and dropped to 55.0 percent in 1962, 51.2 percent in

1967. As income continues to increase, it is generally believed that smaller percentage of the family income will be spent on food. This is known as the Engel's law.

The emerging of textile industry and its rapid technical advancement has made its effect felt. Not only the people in the rural areas are dressed better but the cost of clothing has gone down also. Its percentage in the total family living expenditure was 7.9 in 1957 but it took only 6.6 percent 10 years later.

7. *Changes in Farm Family Surplus*

We have defined farm family surplus as the balance of farm family receipts minus farm family expenditures (or farm family earnings—farm family living expenditure.) After price adjustment, farm family surplus in 1957 was NT\$668 (Table 28). The surplus in 1967 was NT\$1,098, which was 63 percent higher than the amount of 1957 but 19.85 percent lower in comparison with 1962. The decrease in the last period is possibly brought about by the unparalleled movement between farm family receipts and farm family expenditures. During the said period the former increased by 53.4 percent while the latter increased by 60.3 percent. The increase in farm production costs was particularly significant, it was 70 percent.

Table 28. Changes in Farm Family Surplus, 1952-1967
(at 1952 price)

	1952	1957	1962	1967	Rate of change (%)		
					1957-52	1962-57	1967-62
Farm receipts	10,873	11,501	11,864	18,539	+ 5.78	+ 3.16	+56.26
Non-farm receipts	1,627	3,170	3,962	5,736	+94.84	+24.98	+44.78
Farm family receipts	12,500	14,671	15,826	24,275	+17.37	+ 7.87	+53.39
Farm expenditures	5,139	6,059	6,144	10,491	+17.90	+ 1.40	+70.75
Farm family living expenditure		7,944	8,312	12,686		+ 4.63	+52.62
Farm family expenditure		14,003	14,456	23,177		+ 3.24	+60.33
Farm family earnings	7,361	8,612	9,682	13,784	+16.99	+12.42	+42.37
Farm family surplus		668	1,370	1,098		+105.09	-19.85

8. *Changes in Farm Assets*

On current value, the year-end worth of farm assets was NT\$110,758 in 1957, NT\$133,198 in 1962 and NT\$308,456 in 1967. The increased values during the respective years were NT\$849, NT\$441, and NT\$,5,175. The values for 1957 and 1962 represent the differences between year-beginning and year-end assets while the figure of 1957 refers to the asset value purchased during that year. The 1952 survey made no attempt to measure the amount of farm assets, thus no information was made available.

After price adjustment, the year-end value of farm assets in 1957 was NT\$67,535, in 1962 NT\$53,493 and in 1967 NT\$105,275. The decrease in 1962 seems to be doubtful. But there is one thing which ought to be pointed out. That is, to deflate the value of farm assets by the general price deflator is not an appropriate approach. The general price deflator exhibits the movement of commodity prices and does not necessarily reflect the price of land which accounts for about 80 percent of the total farm assets.

The net increase of farm assets usually represents the capital formation on farm. The more capital a farmer has the more is his income earning capability. But when we look at the increased value their magnitudes were far from satisfactory, let alone impressive. The ratio between the net worth added during the year and the year-beginning farm assets was 0.8 percent in 1957, 0.3 percent in 1962 and 1.7 percent in 1967.

Conclusion

As the result of rapid economic growth, Taiwan's economy has undergone considerable changes. In the past years, industrial sector has made excellent performance and its contribution to the national income has increased substantially. While agricultural production continues to expand its proportion in the total national output has declined. Economic development has not only changed the relative importance between agriculture and the rest of the economy, but also brought about some changes within agriculture itself,

Under the conditions of continued population increase and limited land area, average farm size has become smaller and smaller as time goes on. The average farm land per farm population shows a similar trend.

During the period from 1952 to 1967, the average farm family size

stopped increasing. Instead, it indicated some decrease. Although there is no evidence to substantiate the proposition that the number of farm labor was decreasing by the year of 1967, the average number of man-equivalent per farm had decreased.

Non-farm income has shown continued increase. Its role in the total family income rises also. This is particularly true with the farms in the small size group. The availability of non-farm job opportunities has helped a great deal in enlarging farm family income.

Partly because of the increased non-farm income, the proportion of cash income in total family receipts has increased. Cash income in 1952 accounted for 44 percent, its percentage rose to 62 in 1957, 59 in 1962 and 69 in 1967. On the production side, cash expenditure exhibited a similar trend. From economic point of view, this kind of change is an encouraging sign. It implies that farm operation in Taiwan has gradually moved toward a market-oriented enterprise and no longer remains at the level of subsistence farming.

Finally, but not least in importance, is the unparalleled movement between farm receipts and production costs. During the period from 1962 to 1967, farm receipts increased by 56.26 percent while farm expenditure increased by 70.75 percent. Moreover, the difference between the two seems to get larger. Coupled with a rapid increase in family living expenditure, the disparity of trend has lowered the profit rate of farm operation. The decrease in farm surplus tends to speak for this point. Thus, it is in this place where the farm problems are hidden.

Appendix I. Summary Statistics of 1967 Farm Income Survey

Table 1. Average Farm Land of Sample Farm Families by Size Groups and by Agricultural Regions, 1967

Agricultural Region	Average	0.49 chia or less	0.50-0.99 chia	1.00-1.49 chia	1.50-1.99 chia	2.00-2.99 chia	3.00 chia and more
Average	1.11	0.33	0.71	1.22	1.70	2.41	4.07
1. Yilan Rice Region	1.07	0.37	0.71	1.15	1.57	2.48	4.00
2. Taipei Rice Region	1.11	0.34	0.71	1.25	1.71	2.26	3.49
3. Taichung Rice Region	0.81	0.32	0.72	1.19	1.73	2.46	3.47
4. Kaohsiung Rice Region	0.87	0.32	0.72	1.26	1.66	2.29	4.07
5. Eastern Rice Region	1.41	0.41	0.68	1.26	1.65	2.52	4.65
6. Tea Region	1.27	0.33	0.73	1.19	1.69	2.31	3.86
7. Miaoli Mixed Farming Region	1.23	0.36	0.71	1.24	1.69	2.42	4.51
8. Taichung Mixed Farming Region	1.05	0.37	0.72	1.11	1.70	2.42	3.41
9. Alishan Mixed Farming Region	1.23	0.33	0.74	1.11	1.71	2.40	3.87
10. Banana & Pineapple Region	1.60	0.37	0.70	1.28	0.75	2.28	4.85
11. Chianan Mixed Farming Region	1.06	0.31	0.72	1.22	1.76	2.55	3.77
12. Western Sugarcane Region	1.08	0.32	0.69	1.23	1.65	2.38	3.58
13. Eastern Sugarcane Region	2.12	0.41	0.68	0.30	1.66	2.32	4.97

Note: Farm land includes double-crop paddy, single-crop paddy, rotation land and dry land.

Table 2. Multiple Cropping Indices of Sample Farms by Size Groups and by Agricultural Regions, 1967

Agricultural Region	Average	0.49 chia or less	0.50-0.99 chia	1.00-1.49 chia	1.50-1.99 chia	2.00-2.99 chia	3.0 chia and more
Average	197	216	206	197	193	190	161
1. Yilan Rice Region	198	204	186	200	200	200	201
2. Taipei Rice Region	207	221	212	207	198	212	201
3. Taichung Rice Region	239	258	250	245	219	230	178
4. Kaohsiung Rice Region	238	234	230	234	263	255	215
5. Eastern Rice Region	179	172	202	191	181	204	110
6. Tea Region	176	189	185	190	180	181	153
7. Miaoli Mixed Farming Region	173	184	174	159	202	172	158
8. Taichung Mixed Farming Region	164	197	199	163	155	148	126
9. Alishan Mixed Farming Region	165	181	192	162	171	153	148
10. Banana & Pineapple Region	136	167	158	146	135	135	125
11. Chianan Mixed Farming Region	204	211	202	213	203	206	143
12. Western Sugarcane Region	168	199	187	155	173	167	148
13. Eastern Sugarcane Region	161	156	152	160	168	174	158

Note: Multiple cropping index = $\frac{\text{planted area}}{\text{cultivated area}} \times 100$

Table 3. Average Farm Family Size by Size Groups and by Agricultural Regions, 1967

Agricultural Region	Average	Unit: person					
		0.49 chia or less	0.50-0.99 chia	1.00-1.49 chia	1.50-1.99 chia	2.00-2.99 chia	3.00 chia and more
Average	8.3	7.2	7.5	8.6	9.3	11.2	11.1
1. Yilan Rice Region	8.1	6.4	7.1	7.4	7.6	12.8	24.5
2. Taipei Rice Region	8.5	7.5	8.2	7.6	8.1	11.2	18.2
3. Taichung Rice Region	8.0	7.0	7.7	9.2	10.5	10.5	10.5
4. Kaohsiung Rice Region	8.3	7.4	7.5	9.7	10.3	10.7	16.0
5. Eastern Rice Region	8.6	10.0	7.2	8.8	8.5	10.2	9.0
6. Tea Region	9.5	7.7	8.4	10.0	10.0	12.6	12.5
7. Miaoli Mixed Farming Region	9.3	7.1	8.5	8.0	11.6	13.2	14.4
8. Taichung Mixed Farming Region	8.4	7.7	8.3	8.6	6.6	10.3	11.3
9. Alishan Mixed Farming Region	9.0	8.4	7.8	8.8	9.3	13.4	9.0
10. Banana & Pineapple Region	8.4	7.0	7.5	7.9	8.2	10.3	11.1
11. Chianan Mixed Farming Region	7.9	7.3	6.9	7.8	8.9	11.1	10.4
12. Western Sugarcane Region	8.0	6.3	7.0	9.0	11.1	10.3	11.1
13. Eastern Sugarcane Region	8.2	6.3	5.9	8.2	8.6	8.3	10.4

Table 4. Percentage of Farm and Non-farm Employment by Size Groups and by Agricultural Regions, 1967

Agricultural Region	Unit: Percentage								
	Average		0.49 chia or less		0.50-0.99 chia				
	Total employment	Farm employment	Total employment	Farm employment	Total employment	Farm employment			
Average	100.00	81.42	18.58	100.00	76.61	23.39	100.00	79.68	20.32
1. Yilan Rice Region	100.00	84.08	15.92	100.00	80.00	20.00	100.00	80.95	19.05
2. Taipei Rice Region	100.00	78.91	21.09	100.00	67.29	32.71	100.00	70.67	29.33
3. Taichung Rice Region	100.00	79.03	20.97	100.00	75.40	24.60	100.00	76.83	23.17
4. Kaohsiung Rice Region	100.00	76.02	23.98	100.00	65.16	34.84	100.00	87.16	12.84
5. Eastern Rice Region	100.00	89.81	10.19	100.00	87.50	12.50	100.00	88.57	11.43
6. Tea Region	100.00	80.88	19.12	100.00	76.64	23.36	100.00	81.40	18.60
7. Miaoli Mixed Farming Region	100.00	67.37	32.63	100.00	70.27	29.73	100.00	60.61	39.39
8. Taichung Mixed Farming Region	100.00	71.14	28.86	100.00	64.15	35.85	100.00	66.67	33.33
9. Alishan Mixed Farming Region	100.00	84.34	15.66	100.00	71.43	28.57	100.00	88.14	11.86
10. Banana & Pineapple Region	100.00	88.70	11.30	100.00	91.49	8.51	100.00	92.45	7.55
11. Chianan Mixed Farming Region	100.00	85.73	14.27	100.00	81.95	18.05	100.00	84.94	15.06
12. Western Sugarcane Region	100.00	84.17	15.83	100.00	83.71	16.29	100.00	83.02	16.98
13. Eastern Sugarcane Region	100.00	88.48	11.52	100.00	85.00	15.00	100.00	86.67	13.33

Table 4. Percentage of Farm and Non-farm Employment by Size Groups and by Agricultural Regions 1967 (Continued)

Agricultural Region	1.00-1.49 chia		1.50-1.99 chia		2.00-2.99 chia		3.00 chia and more					
	Total employ- ment	Farm Non-farm employ- ment	Total employ- ment	Farm Non-farm employ- ment	Total employ- ment	Farm Non-farm employ- ment	Total employ- ment	Farm Non-farm employ- ment				
Average	100.00	84.01	15.99	100.00	84.81	15.19	100.00	85.47	14.53	100.00	88.74	11.26
1. Yilan Rice Region	100.00	76.19	23.81	100.00	85.00	15.00	100.00	90.00	10.00	100.00	100.00	—
2. Taipei Rice Region	100.00	86.17	13.83	100.00	89.04	10.96	100.00	91.43	8.57	100.00	83.78	16.22
3. Taichung Rice Region	100.00	86.67	13.33	100.00	84.42	15.58	100.00	83.33	16.67	100.00	88.89	11.11
4. Kaohsiung Rice Region	100.00	71.62	28.38	100.00	90.00	10.00	100.00	87.50	12.50	100.00	73.33	26.67
5. Eastern Rice Region	100.00	92.31	7.69	100.00	88.24	11.76	100.00	91.30	8.70	100.00	90.00	10.00
6. Tea Region	100.00	75.42	24.58	100.00	82.67	17.33	100.00	81.69	18.31	100.00	92.86	7.14
7. Miaoli Mixed Farming Region	100.00	91.89	8.11	100.00	63.04	36.96	100.00	65.31	34.69	100.00	61.54	38.46
8. Taichung Mixed Farming Region	100.00	74.36	25.64	100.00	62.50	37.50	100.00	84.00	16.00	100.00	100.00	—
9. Alishan Mixed Farming Region	100.00	84.00	16.00	100.00	100.00	—	100.00	90.63	9.37	100.00	84.21	15.79
10. Banana & Pineapple Region	100.00	77.78	22.22	100.00	89.19	10.81	100.00	80.00	20.00	100.00	97.14	2.86
11. Chianan Mixed Farming Region	100.00	89.50	10.50	100.00	87.50	12.50	100.00	89.58	10.42	100.00	90.32	9.68
12. Western Sugar-cane Region	100.00	84.25	15.75	100.00	79.66	20.34	100.00	86.44	13.56	100.00	91.07	8.93
13. Eastern Sugar-cane Region	100.00	89.36	10.64	100.00	87.18	12.82	100.00	91.30	8.70	100.00	89.66	10.34

Table 5. Average Number of Man-equivalents per Farm Household by Size Groups and by Agricultural Regions, 1967

Agricultural Region	Average or less	Unit: man-equivalent					
		0.49 chia or less	0.50-0.99 chia	1.00-1.49 chia	1.50-1.99 chia	2.00-2.99 chia	3.00 chia and more
Average	2.15	1.69	1.94	2.35	2.53	3.06	3.18
1. Yilan Rice Region	1.99	1.59	1.85	1.72	1.40	3.77	5.70
2. Taipei Rice Region	2.11	1.67	1.88	1.94	2.22	3.35	4.22
3. Taichung Rice Region	2.10	1.77	1.95	2.66	2.84	3.10	2.28
4. Kaohsiung Rice Region	1.99	1.61	1.91	2.33	3.00	2.69	2.68
5. Eastern Rice Region	2.41	1.85	1.77	2.84	2.50	2.67	3.25
6. Tea Region	2.19	1.53	2.16	2.25	2.48	2.90	3.39
7. Miaoli Mixed Farming Region	2.27	1.67	2.35	2.71	2.55	3.46	2.87
8. Taichung Mixed Farming Region	1.83	1.83	1.86	1.77	1.63	3.03	2.15
9. Alishan Mixed Farming Region	2.43	1.97	2.21	2.66	2.45	3.56	2.08
10. Banana & Pineapple Region	2.59	2.40	2.29	2.38	2.60	2.77	3.51
11. Chianan Mixed Farming Region	2.08	1.65	1.90	2.17	2.66	3.07	2.88
12. Western Sugarcane Region	2.17	1.60	1.94	2.64	2.57	2.84	3.41
13. Eastern Sugarcane Region	2.58	2.02	1.69	2.67	2.93	3.69	3.15

Note: One unit of man-equivalent represents the amount of work performed by an adult farm labor for a period of 10 months or 300 days.

Table 6. Education Background of Sample Farm Managers, 1967

Unit: person

Agricultural Region	Total		Illiteracy		Literacy		Primary School		Middle School		College or University	
	person	%	person	%	person	%	person	%	person	%	person	%
Total	1,640	100.00	374	22.81	251	15.30	870	53.05	143	8.72	2	0.12
1. Yilan Rice Region	53	100.00	18	33.96	8	15.10	25	47.17	2	3.77	—	—
2. Taipei Rice Region	144	100.00	32	22.22	21	14.59	88	61.11	3	2.08	—	—
3. Taichung Rice Region	272	100.00	70	25.74	46	16.91	135	49.63	20	7.35	1	0.37
4. Kaohsiung Rice Region	120	100.00	19	15.83	19	15.83	64	53.33	17	14.17	1	0.84
5. Eastern Rice Region	40	100.00	2	5.00	11	27.50	23	57.50	4	10.00	—	—
6. Tea Region	147	100.00	24	16.33	22	14.97	86	58.50	15	10.20	—	—
7. Miaoli Mixed Farming Region	80	100.00	17	21.25	15	18.75	40	50.00	8	10.00	—	—
8. Taichung Mixed Farming Region	59	100.00	6	10.17	7	11.86	44	74.58	2	3.39	—	—
9. Alishan Mixed Farming Region	67	100.00	15	22.39	5	7.46	40	59.70	7	10.45	—	—
10. Banana & Pineapple Region	59	100.00	14	23.73	13	22.03	26	44.07	6	10.17	—	—
11. Chianan Mixed Farming Region	360	100.00	111	30.83	34	9.45	180	50.00	35	9.72	—	—
12. Western Sugarcane Region	180	100.00	40	22.22	45	25.00	82	45.56	13	7.22	—	—
13. Eastern Sugarcane Region	59	100.00	6	10.17	5	8.48	37	62.71	11	18.64	—	—

Table 7. Average Farm Family Receipts by Size Groups and by Agricultural Regions, 1967

Unit: NT\$

Agricultural Region	Average		0.49 chia or less		0.50-0.99 chia			
	Total receipts	Non-farm receipts	Total receipts	Farm receipts	Non-farm receipts	Total receipts	Farm receipts	Non-farm receipts
Average	71,127	54,317	16,810	23,984	19,071	55,091	40,407	14,684
1. Yilan Rice Region	55,598	40,255	15,343	17,746	13,242	43,207	29,159	14,048
2. Taipei Rice Region	73,772	56,105	17,667	24,100	20,495	65,408	43,930	21,478
3. Taichung Rice Region	69,445	52,116	17,329	28,542	17,651	62,258	46,948	15,310
4. Kaohsiung Rice Region	79,000	60,355	18,645	25,077	19,879	60,379	49,746	10,633
5. Eastern Rice Region	48,062	39,306	8,756	17,242	10,960	31,167	23,967	7,200
6. Tea Region	68,679	50,591	18,088	20,993	20,124	50,166	36,524	13,642
7. Miaoli Mixed Farming Region	72,762	57,152	15,610	27,109	15,604	49,989	36,099	13,890
8. Taichung Mixed Farming Region	68,856	53,078	15,778	29,275	21,002	60,705	47,299	13,406
9. Alishan Mixed Farming Region	89,505	70,322	19,183	35,643	22,681	55,531	38,880	16,651
10. Banana & Pineapple Region	95,118	83,519	11,599	23,062	14,560	44,582	37,008	7,574
11. Chianan Mixed Farming Region	69,626	52,539	17,087	20,191	20,642	53,509	38,242	15,267
12. Western Sugarcane Region	68,582	50,028	18,554	21,420	19,829	52,683	36,687	15,996
13. Eastern Sugarcane Region	64,203	53,856	10,347	15,203	9,378	42,052	32,397	9,655

Table 7. Average Farm Family Receipts by Size Groups and by Agricultural Regions, 1967
(Continued)
Unit: NT\$

Agricultural Region	1.00-1.49 chia		1.50-1.99 chia		2.00-2.99 chia		3.00 chia and more					
	Total receipts	Farm Non-farm receipts	Total receipts	Farm Non-farm receipts	Total receipts	Farm Non-farm receipts	Total receipts	Farm Non-farm receipts				
Average	76,409	59,910	16,499	89,333	74,982	14,351	122,291	103,834	18,457	179,636	161,334	18,302
1. Yilan Rice Region	57,433	41,948	15,485	61,248	50,324	10,924	112,149	81,314	27,835	192,056	161,156	30,900
2. Taipei Rice Region	71,410	60,653	10,757	91,096	77,157	13,939	115,624	101,375	14,249	179,216	149,933	29,253
3. Taichung Rice Region	93,070	75,690	17,380	103,048	88,294	14,754	167,226	133,948	33,278	177,512	163,896	13,616
4. Kaohsiung Rice Region	111,351	78,568	32,783	126,709	114,861	11,848	179,221	158,838	20,383	331,593	300,167	31,425
5. Eastern Rice Region	42,550	33,171	9,379	56,876	48,815	8,061	73,092	63,369	9,723	116,127	104,892	11,235
6. Tea Region	75,790	56,313	19,477	71,149	58,633	12,516	118,533	92,675	25,858	121,988	101,263	20,725
7. Miaoli Mixed Farming Region	57,078	45,890	11,188	114,271	93,422	20,849	116,232	100,353	15,854	195,891	172,260	23,544
8. Taichung Mixed Farming Region	73,441	54,029	19,412	81,084	73,640	7,444	112,205	99,675	12,530	110,369	107,301	3,068
9. Alishan Mixed Farming Region	81,331	59,056	22,275	82,827	71,403	11,424	128,997	107,703	21,289	293,418	273,755	19,663
10. Banana & Pine-apple Region	80,124	66,080	14,044	94,161	78,881	15,280	95,414	87,018	9,395	316,527	305,725	10,802
11. Chianan Mixed Farming Region	78,576	62,915	15,661	93,099	80,223	12,876	134,261	117,468	16,793	172,956	156,231	16,725
12. Western Sugar-cane Region	71,982	57,056	14,926	99,338	70,163	29,175	104,993	87,393	17,600	177,596	157,139	20,457
13. Eastern Sugar-cane Region	42,463	33,614	8,849	53,719	45,035	8,684	80,907	72,870	8,037	118,357	103,603	14,754

Table 8. Average Cash and Non-cash Farm Family Receipts by Size Groups and by Agricultural Regions, 1967

Unit: NT\$

Agricultural Region	Average		0.49 chia or less		0.50-0.99 chia	
	Total	Cash Non-cash	Total	Cash Non-cash	Total	Cash Non-cash
Average	71,127	49,163 21,964	43,055	30,624 12,431	55,091	37,300 17,791
1. Yilan Rice Region	55,598	33,082 22,516	30,988	16,701 14,287	43,207	25,272 17,935
2. Taipei Rice Region	73,772	49,919 23,853	44,595	32,958 11,637	65,408	45,728 19,680
3. Taichung Rice Region	69,445	48,535 20,910	46,193	31,461 14,732	62,258	42,342 19,916
4. Kaohsiung Rice Region	79,000	58,831 20,169	44,956	33,992 10,964	60,379	42,289 18,090
5. Eastern Rice Region	48,062	27,665 20,397	28,202	13,609 14,593	31,167	15,792 15,375
6. Tea Region	68,679	42,438 26,241	41,117	27,909 13,208	50,166	29,897 20,269
7. Miaoli Mixed Farming Region	72,762	46,011 26,751	42,713	26,629 16,084	49,989	30,406 19,583
8. Taichung Mixed Farming Region	68,856	41,617 27,239	50,277	34,693 15,584	60,705	36,906 23,799
9. Alishan Mixed Farming Region	89,505	58,304 31,201	58,324	38,537 19,787	55,531	33,200 22,331
10. Banana & Pineapple Region	95,118	71,999 23,119	37,622	28,351 9,271	44,582	30,577 14,005
11. Chianan Mixed Farming Region	69,626	51,510 18,116	40,833	30,740 10,093	53,509	39,457 14,052
12. Western Sugarcane Region	68,582	48,552 20,030	41,249	30,587 10,662	52,683	36,840 15,843
13. Eastern Sugarcane Region	64,203	42,446 21,757	24,581	17,650 6,931	42,052	31,083 10,969

Table 8. Average Cash and Non-cash Farm Family Receipts by Size Groups and by Agricultural Regions, 1967 (Continued) Unit: NT\$

Agricultural Region	1.00-1.49 chia		1.50-1.99 chia		2.00-2.99 chia		3.00 chia and more	
	Total	Cash	Total	Cash	Total	Cash	Total	Cash
Average	76,409	52,199	89,333	60,756	122,291	84,839	179,636	126,604
1. Yilan Rice Region	57,433	32,291	61,248	40,013	112,149	72,718	192,056	114,184
2. Taipei Rice Region	71,410	46,413	91,096	60,196	115,624	73,528	179,216	118,852
3. Taichung Rice Region	93,070	65,818	103,048	73,172	167,226	126,012	177,512	131,223
4. Kaohsiung Rice Region	111,351	85,491	126,709	93,047	179,221	135,891	331,593	255,171
5. Eastern Rice Region	42,550	23,135	56,876	31,449	73,092	48,181	116,127	80,978
6. Tea Region	75,790	47,803	71,149	41,121	118,533	71,262	121,988	75,561
7. Miaoli Mixed Farming Region	57,078	36,018	114,271	85,328	116,232	73,329	195,804	108,636
8. Taichung Mixed Farming Region	73,441	47,925	81,084	49,212	112,205	64,135	110,369	35,295
9. Alishan Mixed Farming Region	81,331	55,505	82,827	46,098	128,997	89,041	293,418	200,169
10. Banana & Pine-apple Region	80,124	56,503	94,161	64,762	95,414	67,515	316,527	266,145
11. Chianan Mixed Farming Region	78,576	56,085	93,099	66,758	134,261	101,225	172,956	132,618
12. Western Sugar-cane Region	71,982	48,426	99,338	70,428	104,993	73,613	177,595	128,083
13. Eastern Sugar-cane Region	42,463	27,687	53,719	33,250	80,907	51,647	118,357	77,674

Table 9. Average Farm Receipts by Size Groups and by Agricultural Regions, 1967

Unit: NT\$

Agricultural Region	Average						0.49 chia or less			0.50-0.99 chia		
	Total		Cash		Non-cash		Total		Cash		Non-cash	
	Total	Average	Total	Average	Total	Average	Total	Average	Total	Average	Total	Average
Average	54,317	34,861	19,456	23,984	13,251	10,733	40,407	24,631	15,776			
1. Yilan Rice Region	40,255	19,401	20,854	17,746	4,562	13,184	29,159	12,354	16,805			
2. Taipei Rice Region	56,105	35,176	20,929	24,100	14,570	9,530	43,930	26,936	16,994			
3. Taichung Rice Region	52,116	33,617	18,499	28,542	15,451	13,091	46,948	29,447	17,501			
4. Kaohsiung Rice Region	60,355	42,808	17,547	25,077	15,689	9,388	49,746	33,777	15,969			
5. Eastern Rice Region	39,306	20,768	18,538	17,242	6,954	10,288	23,967	10,237	13,730			
6. Tea Region	50,591	27,418	23,173	20,993	8,996	11,997	36,524	18,844	17,680			
7. Miaoli Mixed Farming Region	57,152	32,976	24,176	27,109	14,393	12,716	36,099	17,981	18,118			
8. Taichung Mixed Farming Region	53,078	27,695	25,383	29,275	15,598	13,677	47,299	24,521	22,778			
9. Alishan Mixed Farming Region	70,322	42,088	28,234	35,643	18,058	17,585	38,880	18,416	20,464			
10. Banana & Pineapple Region	83,519	62,857	20,662	23,062	14,977	8,085	37,008	24,804	12,204			
11. Chianan Mixed Farming Region	52,539	36,635	15,904	20,191	11,538	8,653	38,242	25,895	12,347			
12. Western Sugarcane Region	50,028	32,770	17,258	21,420	12,523	8,897	36,687	22,969	13,718			
13. Eastern Sugarcane Region	53,856	34,699	19,157	15,203	9,767	5,436	32,397	22,913	9,484			

Table 9. Average Farm Receipts by Size Groups and by Agricultural Regions, 1967
(Continued)

Agricultural Region	1.00-1.49 chia			1.50-1.99 chia			2.00-2.99 chia			3.00 chia and more		
	Total	Cash	Non-cash	Total	Cash	Non-cash	Total	Cash	Non-cash	Total	Cash	Non-cash
Average	59,910	38,397	21,513	74,982	49,175	25,807	103,834	70,627	33,207	161,334	114,052	47,282
1. Yilan Rice Region	41,948	19,858	22,090	50,324	30,927	19,397	81,314	45,468	37,846	161,156	85,659	74,497
2. Taipei Rice Region	60,653	38,063	22,590	77,157	49,971	27,186	101,375	64,210	37,165	149,963	94,476	55,487
3. Taichung Rice Region	75,690	50,840	24,850	88,294	61,176	27,118	133,948	100,627	33,321	163,896	121,488	42,408
4. Kaohsiung Rice Region	78,568	56,193	22,375	114,861	84,736	30,125	158,838	120,958	37,870	300,167	236,178	63,989
5. Eastern Rice Region	33,171	15,496	17,675	48,815	24,602	24,213	63,369	39,887	23,482	104,892	72,178	32,714
6. Tea Region	56,313	31,773	24,540	58,633	31,175	27,458	92,675	51,646	41,029	101,263	60,440	40,823
7. Miaoli Mixed Farming Region	45,890	26,773	19,117	93,422	66,677	26,745	100,368	59,993	40,375	172,260	92,136	80,124
8. Taichung Mixed Farming Region	54,029	30,930	23,099	73,640	43,319	30,321	99,675	55,000	44,675	107,301	34,256	73,045
9. Alishan Mixed Farming Region	59,056	36,298	22,758	71,403	37,592	33,811	107,708	71,117	36,591	273,755	189,380	84,375
10. Banana & Pine-apple Region	66,080	45,896	20,184	78,831	51,627	27,254	87,018	60,726	26,292	305,725	260,614	45,111
11. Chianan Mixed Farming Region	62,915	43,347	19,568	80,223	56,547	23,676	117,458	88,254	29,214	155,231	120,363	35,868
12. Western Sugar-cane Region	57,056	36,105	20,951	70,163	45,364	24,799	87,393	59,882	27,511	157,139	115,603	41,536
13. Eastern Sugar-cane Region	33,614	20,055	13,559	45,035	26,760	18,275	72,870	46,490	26,380	103,603	68,293	35,310

Table 10. Average Farm Receipts by Sources and by Size Groups, 1967

Unit: NT\$

Size Group	Source	Grand Total						Crops					
		Total		Cash		Non-cash		Total		Cash		Non-cash	
		NT\$	%	NT\$	%	NT\$	%	NT\$	%	NT\$	%	NT\$	%
Average		NT\$ 54,317		34,861		19,456		39,965		25,790		14,175	
		100.00		64.18		35.82		100.00		64.53		35.47	
0.49 chia or less		NT\$ 23,984		13,251		10,733		15,962		8,254		7,708	
		100.00		55.25		44.75		100.00		51.71		48.29	
0.50-0.99 chia		NT\$ 40,407		24,631		15,776		29,258		17,214		12,044	
		100.00		60.96		39.04		100.00		58.84		41.16	
1.00-1.49 chia		NT\$ 59,910		38,397		21,513		45,205		28,762		16,443	
		100.00		64.09		35.91		100.00		63.63		36.37	
1.50-1.99 chia		NT\$ 74,982		49,175		25,807		58,836		39,643		19,193	
		100.00		65.58		34.42		100.00		67.38		32.62	
2.00-2.99 chia		NT\$ 103,834		70,627		33,207		79,499		55,192		24,307	
		100.00		68.02		31.98		100.00		69.42		30.58	
3.00 chia and more		NT\$ 161,334		114,052		47,282		115,590		86,568		29,022	
		100.00		70.69		29.31		100.00		74.89		25.11	

Size Group	Source	Orchard and Trees						Livestock and Poultry						Fisheries and Others					
		Total		Cash		Non-cash		Total		Cash		Non-cash		Total		Cash		Non-cash	
		NT\$	%	NT\$	%	NT\$	%	NT\$	%	NT\$	%	NT\$	%	NT\$	%	NT\$	%	NT\$	%
Average		NT\$ 2,727		1,433		1,294		11,555		7,584		3,971		70		54		16	
		100.00		52.55		47.45		100.00		65.63		34.37		100.00		77.14		22.85	
0.49 chia or less		NT\$ 1,255		720		535		6,698		4,229		2,469		69		48		21	
		100.00		57.37		42.63		100.00		63.14		36.86		100.00		69.57		30.43	
0.50-0.99 chia		NT\$ 1,468		666		802		9,590		6,683		2,907		91		68		23	
		100.00		45.37		54.63		100.00		69.69		30.31		100.00		74.73		25.27	
1.00-1.49 chia		NT\$ 1,935		944		991		12,661		8,597		4,064		109		94		15	
		100.00		48.79		51.21		100.00		67.90		32.10		100.00		86.24		13.76	
1.50-1.99 chia		NT\$ 2,597		1,174		1,423		13,543		8,358		5,185		6		—		6	
		100.00		45.21		54.79		100.00		61.71		38.29		100.00		—		100.00	
2.00-2.99 chia		NT\$ 5,587		3,212		2,375		18,709		12,184		6,525		39		39		—	
		100.00		57.49		42.51		100.00		65.12		34.88		100.00		100.00		—	
3.00 chia and more		NT\$15,434		8,451		6,983		30,291		19,020		11,271		19		13		6	
		100.00		54.76		45.24		100.00		62.79		37.21		100.00		68.42		31.58	

Table 11. Average Farm Receipts per Chia by Sources and by Size Groups, 1967

Unit: NT\$

Size Group	Source	Grand Total		Crop			
		Total	Cash	Non-cash	Total	Cash	Non-cash
Average		48,934	31,406	17,528	36,004	23,234	12,770
0.49 chia or less		72,679	40,154	32,525	48,370	25,012	23,358
0.50-0.99 chia		56,911	34,692	22,219	41,208	24,245	16,963
1.00-1.49 chia		49,106	31,473	17,633	37,053	23,575	13,478
1.50-1.99 chia		44,107	28,926	15,181	34,609	23,319	11,290
2.00-2.99 chia		43,085	29,307	13,778	32,987	22,901	10,086
3.00 chia and more		39,639	28,022	11,617	28,401	21,270	7,131

Size Group	Source	Orchard and Trees		Livestock and Poultry		Fisheries & others				
		Total	Cash	Non-cash	Total	Cash	Non-cash	Total	Cash	Non-cash
Average		2,457	1,291	1,166	10,410	6,832	3,578	63	49	14
0.49 chia or less		3,803	2,182	1,621	20,297	12,815	7,482	209	145	64
0.50-0.99 chia		2,068	938	1,130	13,507	9,413	4,094	128	96	32
1.00-1.49 chia		1,586	774	812	10,378	7,047	3,331	89	77	12
1.50-1.99 chia		1,528	691	837	7,966	4,916	3,050	4	—	4
2.00-2.99 chia		2,318	1,333	985	7,763	5,056	2,707	17	17	—
3.00 chia and more		3,792	2,076	1,716	7,442	4,673	2,769	4	3	1

Table 12. Average Non-farm Receipts per Farm Family by Sources and by Agricultural Regions, 1967 Unit: NT\$

Agricultural Region	Grand Total	Land rent	House rent		Family use	Labor wages	Animal labor earnings	Power-tiller earnings	Salary	Others*
			Total	Lease						
Average	NT\$ 16,810 % 100.00	64 0.38	2,562 15.24	54 0.32	2,508 14.92	2,446 14.55	369 2.20	198 1.18	7,735 46.01	3,436 20.44
1. Yilan Rice Region	NT\$ 15,343 % 100.00	—	1,696 11.05	34 0.22	1,662 10.83	2,239 14.59	127 0.83	113 0.74	9,153 59.66	2,015 13.13
2. Taipei Rice Region	NT\$ 17,667 % 100.00	6 0.03	3,107 17.59	183 1.04	2,924 16.55	1,835 10.39	136 0.77	322 1.82	9,189 52.01	3,072 17.39
3. Taichung Rice Region	NT\$ 17,329 % 100.00	16 0.09	2,483 14.33	72 0.42	2,411 13.91	3,612 20.84	311 1.80	305 1.76	7,941 45.82	2,661 15.36
4. Kaohsiung Rice Region	NT\$ 18,645 % 100.00	39 0.21	2,655 14.24	33 0.18	2,622 14.06	2,525 13.54	675 3.62	293 1.57	8,861 47.53	3,597 19.29
5. Eastern Rice Region	NT\$ 8,756 % 100.00	11 0.13	1,909 21.80	50 0.57	1,859 21.23	1,529 17.46	83 0.95	27 0.31	4,334 49.49	863 9.86
6. Tea Region	NT\$ 18,088 % 100.00	39 0.22	3,082 17.04	14 0.08	3,068 16.96	1,883 10.41	741 4.10	22 0.12	7,354 40.65	4,967 27.46
7. Miaoli Mixed Farming Region	NT\$ 15,610 % 100.00	—	2,608 16.71	33 0.21	2,575 16.50	1,569 10.05	365 2.34	—	8,034 51.46	3,034 19.44
8. Taichung Mixed Farming Region	NT\$ 15,778 % 100.00	2 0.01	1,878 11.90	22 0.14	1,856 11.76	3,096 19.62	249 1.58	—	8,657 54.87	1,896 12.02
9. Alishan Mixed Farming Region	NT\$ 19,183 % 100.00	786 4.10	2,967 15.47	—	2,967 15.47	2,200 11.47	118 0.61	—	6,479 33.77	6,633 34.58
10. Banana & Pineapple Region	NT\$ 11,599 % 100.00	92 0.79	2,580 22.24	123 1.06	2,457 21.18	1,197 10.32	131 1.13	—	3,796 32.73	3,803 32.79
11. Chianan Mixed Farming Region	NT\$ 17,087 % 100.00	27 0.16	2,252 13.18	40 0.23	2,212 12.95	2,786 16.30	416 2.43	121 0.71	8,256 48.32	3,229 18.90
12. Western Sugarcane Region	NT\$ 18,554 % 100.00	115 0.62	2,809 15.14	37 0.20	2,772 14.94	1,963 10.58	513 2.76	591 3.19	7,533 40.60	5,030 27.11
13. Eastern Sugarcane Region	NT\$ 10,347 % 100.00	—	2,600 25.13	—	2,600 25.13	2,068 19.99	13 0.12	—	4,413 42.65	1,253 12.11

* Others include dividend, interest, gift, subsidy and income from business operation.

Table 13. Average Non-farm Receipts per Farm Family by Sources and by Size Groups, 1967

Size group	Source		Total	Land rent	House rent	Labor wages	Animal labor earnings	Power tiller earnings	Unit: NT\$	
	NT\$	%							Salary	Others*
Average	NT\$ 16,810	100		64	2,562	2,446	369	198	7,735	3,436
				0.38	15.24	14.55	2.20	1.18	46.01	20.44
0.49 chia or less	NT\$ 19,071	100		87	1,805	4,046	442	241	8,397	4,053
				0.46	9.46	21.22	2.32	1.26	44.03	21.25
0.50-0.99 chia	NT\$ 14,684	100		55	2,050	2,278	395	173	7,593	2,140
				0.38	13.96	15.51	2.69	1.18	51.71	14.57
1.00-1.49 chia	NT\$ 16,499	100		93	2,751	1,637	363	81	7,139	4,435
				0.56	16.68	9.92	2.20	0.49	43.27	26.88
1.50-1.99 chia	NT\$ 14,351	100		9	2,790	1,531	306	233	6,723	2,759
				0.06	19.44	10.67	2.13	1.62	46.85	19.23
2.00-2.99 chia	NT\$ 18,457	100		19	4,245	1,157	272	378	8,101	4,285
				0.10	23.00	6.27	1.47	2.05	43.89	23.22
3.00 chia and more	NT\$ 18,302	100		60	5,750	627	131	97	7,881	3,756
				0.33	31.42	3.42	0.72	0.53	43.06	20.52

Note: Others include dividend, interest, gift subsidy and income from business operation.

Table 14. Average Farm Receipts per Chia by Size Groups and by Agricultural Regions, 1967

Unit: NT\$

Agricultural Region	Average		0.49 chia or less		0.50-0.99 chia				
	Total	Non-cash	Total	Non-cash	Total	Non-cash			
	Cash	Cash	Cash	Cash	Cash	Cash			
Average	48,934	31,406	17,528	40,154	32,525	56,911	34,692	22,219	
1. Yilan Rice Region	37,621	18,131	19,490	47,962	12,330	35,632	41,069	17,400	23,669
2. Taipei Rice Region	50,545	31,690	18,855	70,882	42,853	28,029	61,873	37,938	23,935
3. Taichung Rice Region	64,341	41,503	22,838	89,194	43,281	40,909	65,205	40,899	24,307
4. Kaohsiung Rice Region	69,374	49,205	20,169	78,366	49,028	29,338	69,092	46,913	22,179
5. Eastern Rice Region	27,877	14,729	13,148	42,054	16,951	25,093	35,245	15,054	20,191
6. Tea Region	39,835	21,589	18,246	63,615	27,261	36,354	50,033	25,814	24,219
7. Miaoli Mixed Farming Region	46,465	26,810	19,655	75,303	39,981	35,322	50,843	25,325	25,518
8. Taichung Mixed Farming Region	50,550	26,376	24,174	79,122	42,157	36,965	65,693	34,057	31,636
9. Alishan Mixed Farming Region	57,172	34,218	22,954	108,009	54,721	53,288	52,540	24,886	27,654
10. Banana & Pineapple Region	52,199	39,285	12,914	62,329	40,478	21,851	52,858	35,434	17,434
11. Chianan Mixed Farming Region	49,565	34,561	15,004	65,132	37,219	27,913	53,114	35,965	17,149
12. Western Sugarcane Region	46,322	30,342	15,980	66,937	39,134	27,803	53,169	33,288	19,881
13. Eastern Sugarcane Region	25,404	16,368	9,036	37,081	23,822	13,259	47,643	33,696	13,947

Table 14. Average Farm Receipts per Chia by Size Groups and by Agricultural Regions, 1967 (Continued) Unit: NT\$

Agricultural Region	1.00-1.49 chia			1.50-1.99 chia			2.00-2.99 chia			3.00 chia and more		
	Total	Cash	Non-cash	Total	Cash	Non-cash	Total	Cash	Non-cash	Total	Cash	Non-cash
Average	49,106	31,473	17,633	44,107	28,926	15,181	43,085	29,307	13,778	39,639	28,022	11,617
1. Yilan Rice Region	36,477	17,268	19,209	32,054	19,699	12,355	33,997	18,737	15,260	40,289	21,665	18,624
2. Taipei Rice Region	48,522	30,450	18,072	45,121	29,223	15,898	44,856	28,411	16,445	42,959	27,070	15,899
3. Taichung Rice Region	63,605	42,723	20,882	51,037	35,362	15,675	54,450	40,905	13,545	47,232	35,011	12,221
4. Kaohsiung Rice Region	62,356	44,598	17,758	69,193	51,046	18,147	69,361	52,824	16,537	73,751	58,029	15,722
5. Eastern Rice Region	26,326	12,298	14,028	29,585	14,910	14,675	25,146	15,828	9,318	22,557	15,522	7,035
6. Tea Region	47,322	26,700	20,622	34,694	18,447	16,247	40,119	22,358	17,761	26,234	15,658	10,576
7. Miaoli Mixed Farming Region	37,008	21,591	15,417	55,279	39,454	15,825	41,474	24,790	16,684	38,195	20,429	17,766
8. Taichung Mixed Farming Region	48,675	27,865	20,810	43,318	25,482	17,836	41,188	22,727	18,461	31,467	10,046	21,421
9. Alishan Mixed Farming Region	53,204	32,701	20,503	41,756	21,984	19,772	44,878	29,632	15,246	70,738	48,936	21,802
10. Banana & Pineapple Region	51,625	35,856	15,769	45,075	29,501	15,574	38,165	26,634	11,532	63,036	53,735	9,301
11. Chianan Mixed Farming Region	51,569	35,530	16,039	45,581	32,129	13,452	46,055	31,609	11,456	41,441	31,927	9,514
12. Western Sugarcane Region	46,387	29,354	17,033	42,523	27,493	15,030	36,720	25,161	11,559	43,893	32,291	11,602
13. Eastern Sugarcane Region	25,857	15,427	10,430	27,130	15,121	11,009	31,410	20,039	11,371	20,846	13,741	7,105

Table 15. Average Family Expenditures by Size Groups and by Agricultural Regions, 1967

Unit: NT\$

Agricultural Region	Average		0.49 chia or less		0.50-0.99 chia	
	Total	Farm Family expen- diture living expen.	Total	Farm Family expen- diture living expen.	Total	Farm Family expen- diture living expen.
Average	67,908	30,739	41,995	13,990	56,236	23,583
1. Yilan Rice Region	57,089	22,688	37,273	10,423	47,132	15,987
2. Taipei Rice Region	71,027	33,176	41,897	14,375	64,146	26,635
3. Taichung Rice Region	65,122	29,559	44,413	16,169	60,597	27,113
4. Kaohsiung Rice Region	72,842	32,460	44,174	13,329	62,169	27,293
5. Eastern Rice Region	38,714	15,465	27,468	6,622	30,102	10,026
6. Tea Region	67,074	28,295	36,227	10,345	54,531	19,737
7. Miaoli Mixed Farming Region	64,537	27,495	38,265	13,109	45,685	18,018
8. Taichung Mixed Farming Region	69,169	29,159	54,128	17,137	62,718	27,290
9. Alishan Mixed Farming Region	88,041	41,451	50,994	16,299	63,709	27,755
10. Banana & Pineapple Region	94,208	51,211	46,526	17,082	52,208	22,559
11. Chianan Mixed Farming Region	67,352	30,634	40,961	13,287	55,843	23,394
12. Western Sugarcane Region	65,432	30,250	39,234	13,830	53,014	22,312
13. Eastern Sugarcane Region	59,788	25,891	29,507	9,810	53,158	18,784

Note: Farm expenditure does not include imputed wages of family labor.

Table 15. Average Family Expenditure by Size Groups and by Agricultural Regions, 1967
(Continued)
Unit: NT\$

Agricultural Region	1.00-1.49 chia		1.50-1.99 chia		2.00-2.99 chia		3.00 chia and more					
	Total	Farm expen- diture	Total	Farm expen- diture	Total	Farm expen- diture	Total	Farm expen- diture				
Average	73,432	33,822	39,610	83,581	40,818	42,733	115,475	60,815	54,660	151,320	85,161	66,159
1. Yilan Rice Region	55,668	23,541	32,127	62,811	33,391	29,420	103,549	44,324	59,225	173,853	80,923	92,930
2. Taipei Rice Region	71,924	35,810	36,114	84,949	44,436	40,513	113,433	61,905	51,528	157,768	81,968	75,800
3. Taichung Rice Region	84,813	40,832	43,981	95,904	47,837	48,057	148,355	83,905	64,450	139,980	85,009	53,971
4. Kaohsiung Rice Region	91,747	40,642	51,105	123,816	65,529	58,287	136,529	78,230	58,299	281,731	169,786	111,945
5. Eastern Rice Region	37,454	15,320	22,134	38,562	18,077	20,485	63,652	27,659	35,993	56,776	25,487	31,289
6. Tea Region	77,537	34,451	43,086	71,818	33,681	38,137	105,778	53,198	53,580	112,747	53,200	59,547
7. Miaoli Mixed Farming Region	53,382	22,066	31,316	82,755	38,501	44,254	105,469	42,811	63,658	185,963	100,681	85,282
8. Taichung Mixed Farming Region	76,832	31,825	45,007	76,600	33,255	43,345	103,298	55,409	47,839	91,427	42,692	48,735
9. Alishan Mixed Farming Region	86,923	39,189	47,734	98,043	44,915	53,098	168,053	91,385	76,668	173,732	103,927	69,805
10. Banana & Pine-apple Region	77,402	32,852	44,550	84,841	41,815	43,026	101,193	50,017	51,176	285,828	203,087	82,741
11. Chianan Mixed Farming Region	76,232	35,311	40,921	88,969	43,917	45,022	128,159	70,781	57,378	137,376	80,045	57,331
12. Western Sugar-cane Region	69,613	34,581	35,032	86,050	39,994	46,056	99,291	53,216	46,075	168,310	91,924	76,385
13. Eastern Sugar-cane Region	42,230	16,788	25,442	58,337	23,320	35,017	69,616	32,753	36,853	98,853	45,532	53,321

Table 16. Average Cash and Non-cash Farm Family Expenditures by Size Groups and by Agricultural Regions, 1967

Unit: NT\$

Agricultural Region	Average		0.49 chia or less		0.50-0.99 chia	
	Total	Cash	Total	Cash	Total	Cash
Average	67,908	49,980	41,995	31,588	56,236	41,191
1. Yilan Rice Region	57,089	39,241	37,273	25,661	47,132	31,645
2. Taipei Rice Region	71,027	49,959	41,897	30,877	64,146	46,397
3. Taichung Rice Region	65,122	46,707	44,413	31,037	60,597	43,309
4. Kaohsiung Rice Region	72,842	55,169	44,174	34,422	62,169	46,889
5. Eastern Rice Region	38,714	24,572	27,468	16,441	30,102	18,022
6. Tea Region	67,074	45,712	36,227	25,715	54,531	37,291
7. Miaoli Mixed Farming Region	64,537	45,424	38,265	25,474	45,685	32,071
8. Taichung Mixed Farming Region	69,169	49,728	54,128	40,935	62,718	43,244
9. Alishan Mixed Farming Region	88,041	65,363	50,994	40,843	63,709	44,824
10. Banana & Pineapple Region	94,208	75,871	46,526	39,817	52,208	40,933
11. Chianan Mixed Farming Region	67,352	52,620	40,961	33,051	55,843	44,024
12. Western Sugarcane Region	65,432	48,501	39,234	29,818	53,014	38,941
13. Eastern Sugarcane Region	59,788	43,539	29,507	22,881	43,158	35,053

Table 16. Average Cash and Non-cash Farm Family Expenditures by Size Groups and by Agricultural Regions, 1967 (Continued)

Unit: NT\$

Agricultural Region	1.00-1.49 chia			1.50-1.99 chia			2.00-2.99 chia			3.00 chia and more		
	Total	Cash	Non-cash	Total	Cash	Non-cash	Total	Cash	Non-cash	Total	Cash	Non-cash
Average	73,432	53,039	20,393	83,581	60,265	23,316	115,475	84,910	30,565	151,320	114,021	37,299
1. Yilan Rice Region	55,668	36,136	19,532	62,811	45,599	17,212	103,549	69,573	33,976	173,853	129,922	43,931
2. Taipei Rice Region	71,924	50,267	21,657	84,949	59,152	25,797	113,433	76,761	36,672	157,768	103,023	54,745
3. Taichung Rice Region	84,813	61,553	23,260	95,904	68,195	27,709	148,355	111,753	36,602	139,980	104,252	35,728
4. Kaohsiung Rice Region	91,747	68,591	23,156	123,816	93,563	30,253	136,529	97,895	38,634	281,731	216,694	65,037
5. Eastern Rice Region	37,454	23,736	13,718	38,562	23,848	14,714	63,652	44,705	18,947	56,776	36,437	20,339
6. Tea Region	77,537	53,715	23,822	71,818	47,791	24,027	106,778	67,954	38,824	112,747	78,724	34,023
7. Miaoli Mixed Farming Region	53,382	38,361	15,021	82,755	59,875	22,880	106,469	70,354	36,115	186,963	141,890	45,073
8. Taichung Mixed Farming Region	76,832	54,409	22,423	76,600	53,216	23,384	103,298	72,711	30,587	91,427	73,982	17,445
9. Alishan Mixed Farming Region	86,923	66,982	19,941	98,043	67,160	30,883	168,053	140,597	27,456	173,732	109,796	63,936
10. Banana & Pine-apple Region	77,402	58,141	19,261	84,841	65,944	18,897	101,193	77,134	24,059	285,828	241,420	44,408
11. Chianan Mixed Farming Region	76,232	57,423	18,809	88,969	67,825	21,144	128,159	101,089	27,070	137,376	105,242	31,134
12. Western Sugar-cane Region	69,613	48,060	21,553	86,060	59,016	27,044	99,291	74,786	24,505	168,310	136,057	32,253
13. Eastern Sugar-cane Region	42,230	31,386	10,844	58,337	43,900	14,437	69,616	46,354	23,262	98,853	68,907	29,946

Table 17. Average Cash and Non-cash Farm Expenditures by Size Groups and by Agricultural Regions, 1967

Unit: NT\$

Agricultural Region	Average		0.49 chia or less		0.50-0.99 chia	
	Total	Non-cash	Total	Non-cash	Total	Non-cash
Average	30,739	23,572	13,990	7,167	23,583	17,918
1. Yilan Rice Region	22,688	18,599	10,423	4,089	15,987	12,544
2. Taipei Rice Region	33,176	25,278	14,375	7,898	26,635	20,992
3. Taichung Rice Region	29,559	22,997	16,169	6,562	27,113	21,281
4. Kaohsiung Rice Region	32,460	24,822	13,329	7,638	27,293	20,434
5. Eastern Rice Region	15,465	11,240	6,622	4,225	10,026	6,910
6. Tea Region	28,295	20,529	10,345	7,766	19,737	14,342
7. Miaoli Mixed Farming Region	27,495	21,670	13,109	5,825	18,018	14,231
8. Taichung Mixed Farming Region	29,159	21,971	17,137	7,188	27,290	20,087
9. Alishan Mixed Farming Region	41,451	30,206	16,299	11,245	27,755	18,813
10. Banana & Pineapple Region	51,211	41,564	17,082	9,647	22,559	17,312
11. Chianan Mixed Farming Region	30,634	23,646	13,287	6,988	23,394	17,755
12. Western Sugarcane Region	30,250	23,327	13,830	6,923	22,312	16,205
13. Eastern Sugarcane Region	25,891	18,877	9,810	7,014	18,784	16,225

Table 17. Average Cash and Non-cash Farm Expenditures by Size Groups and by Agricultural Regions, 1967 (Continued)
Unit: NT\$

Agricultural Region	1.00-1.49 chia		1.50-1.99 chia		2.00-2.99 chia		3.00 chia and more	
	Total	Non-cash	Total	Non-cash	Total	Non-cash	Total	Non-cash
Average	33,822	8,187	40,848	10,239	60,815	13,039	85,161	17,434
1. Yilan Rice Region	23,541	4,955	33,391	4,779	44,324	5,966	80,923	14,456
2. Taipei Rice Region	35,810	8,811	44,436	11,533	61,905	14,443	81,968	20,688
3. Taichung Rice Region	40,832	9,344	47,837	11,636	83,905	14,336	86,009	19,302
4. Kaohsiung Rice Region	40,642	9,638	65,529	14,091	78,230	18,457	169,786	30,717
5. Eastern Rice Region	15,320	4,482	18,077	5,413	27,659	5,256	25,487	7,104
6. Tea Region	34,451	8,959	33,681	10,132	53,198	16,258	53,200	11,892
7. Miaoli Mixed Farming Region	22,066	4,877	38,501	8,196	42,811	32,410	100,681	14,877
8. Taichung Mixed Farming Region	31,825	8,296	33,255	10,923	55,409	14,182	42,692	6,497
9. Alishan Mixed Farming Region	39,189	9,927	44,945	15,176	91,385	78,483	103,927	40,780
10. Banana & Pine-apple Region	32,852	8,528	41,815	33,886	50,017	37,259	203,087	29,955
11. Chianan Mixed Farming Region	35,311	7,710	43,947	10,851	70,781	57,145	80,045	16,751
12. Western Sugar-cane Region	34,581	9,124	39,994	10,809	53,216	42,576	91,924	13,945
13. Eastern Sugar-cane Region	16,788	5,193	23,320	6,013	32,753	20,511	45,532	12,167

Table 18. Average Cash and Non-cash Farm Expenditures by Cost Items and by Agricultural Regions, 1967

Unit: NT\$

Agricultural Region	Grand Total		Labor wages		Fertilizer		
	Total	Non-cash	Total	Non-cash	Total	Non-cash	
	Cash	cash	Cash	cash	Cash	cash	
Average	30,739	23,572	7,167	4,212	4,212	5,719	1,775
1. Yilan Rice Region	22,688	18,599	4,089	2,743	2,743	4,933	632
2. Taipei Rice Region	33,176	25,278	7,898	4,466	4,466	5,649	1,819
3. Taichung Rice Region	29,559	22,997	6,562	4,317	4,317	6,119	2,074
4. Kaohsiung Rice Region	32,460	24,822	7,638	5,339	5,339	6,848	2,029
5. Eastern Rice Region	15,465	11,240	4,225	2,055	2,055	3,639	921
6. Tea Region	28,295	20,529	7,766	3,218	3,218	4,051	1,543
7. Miaoli Mixed Farming Region	27,495	21,670	5,825	5,113	5,113	6,314	1,224
8. Taichung Mixed Farming Region	29,159	21,971	7,188	4,197	4,197	5,714	1,586
9. Alishan Mixed Farming Region	41,451	30,206	11,245	5,653	5,653	6,037	2,438
10. Banana & Pineapple Region	51,211	41,564	9,647	6,732	6,732	9,264	3,107
11. Chianan Mixed Farming Region	30,634	23,646	6,988	3,963	3,963	5,477	1,799
12. Western Sugarcane Region	30,250	23,327	6,923	4,063	4,063	5,680	1,635
13. Eastern Sugarcane Region	25,891	18,877	7,014	2,692	2,692	4,903	1,090

Table 18. Average Cash and Non-cash Farm Expenditures by Cost Items and by Agricultural Regions, 1967 (Continued)

Unit: NT\$

Agricultural Region	Feed		Seedling		Livestock expenses		
	Total	Non-cash	Total	Non-cash	Total	Non-cash	
	Cash	Cash	Cash	Cash	Cash	Cash	
Average	7,200	3,474	1,430	683	1,452	840	612
1. Yilan Rice Region	3,062	2,123	660	10	1,218	929	289
2. Taipei Rice Region	8,294	3,981	1,030	678	1,725	1,135	590
3. Taichung Rice Region	4,934	2,677	1,247	541	1,106	632	474
4. Kaohsiung Rice Region	5,295	2,619	1,687	1,331	1,059	322	737
5. Eastern Rice Region	2,405	1,972	925	718	642	200	442
6. Tea Region	8,997	4,196	919	602	1,767	909	858
7. Miaoli Mixed Farming Region	4,929	3,310	1,080	569	1,166	902	264
8. Taichung Mixed Farming Region	6,245	3,552	1,820	1,283	1,296	744	552
9. Alishan Mixed Farming Region	8,790	5,376	3,052	1,356	2,023	930	1,093
10. Banana & Pineapple Region	13,434	2,161	2,336	1,740	1,521	814	707
11. Chianan Mixed Farming Region	8,368	3,748	1,688	334	1,518	837	681
12. Western Sugarcane Region	8,010	4,081	1,242	413	1,709	1,239	470
13. Eastern Sugarcane Region	7,743	3,871	1,387	936	1,788	1,070	718

Table 18. Average Cash and Non-cash Farm Expenditures by Cost Items and by Agricultural Regions, 1967 (Continued)

Unit: NT\$

Agricultural Region	Agricultural chemicals		Veterinary expenses		Materials	
	Total	Non-cash	Total	Non-cash	Total	Non-cash
	Cash	cash	Cash	cash	Cash	cash
Average	1,486	1,468	180	180	675	173
1. Yilan Rice Region	2,344	2,344	63	63	267	81
2. Taipei Rice Region	1,705	1,705	135	135	244	52
3. Taichung Rice Region	1,793	1,793	163	163	924	238
4. Kaohsiung Rice Region	1,978	1,978	199	199	1,327	395
5. Eastern Rice Region	982	982	17	17	53	18
6. Tea Region	796	796	134	134	306	180
7. Miaoli Mixed Farming Region	1,383	1,383	11	11	1,445	199
8. Taichung Mixed Farming Region	1,775	1,775	141	141	806	88
9. Alishan Mixed Farming Region	2,091	2,091	157	157	1,267	168
10. Banana & Pineapple Region	1,871	1,871	209	209	3,772	1,579
11. Chianan Mixed Farming Region	1,190	1,190	300	300	222	15
12. Western Sugarcane Region	1,272	1,272	176	176	274	9
13. Eastern Sugarcane Region	1,054	1,054	204	204	12	—

Table 18. Average Cash and Non-cash Farm Expenditures by Cost Items and by Agricultural Regions, 1967 (Continued)

Unit: NT\$

Agricultural Region	Land tax			Land rent			House maintenance		
	Total	Cash	Non-cash	Total	Cash	Non-cash	Total	Cash	Non-cash
	Average	1,818	1,818	—	455	455	—	339	339
1. Yilan Rice Region	2,984	2,984	—	1,045	1,045	—	530	530	—
2. Taipei Rice Region	2,684	2,684	—	1,109	1,109	—	412	412	—
3. Taichung Rice Region	2,090	2,090	—	388	388	—	344	344	—
4. Kaohsiung Rice Region	1,472	1,472	—	608	608	—	245	245	—
5. Eastern Rice Region	1,132	1,132	—	303	303	—	357	357	—
6. Tea Region	1,815	1,815	—	689	689	—	711	711	—
7. Miaoli Mixed Farming Region	1,837	1,837	—	113	113	—	283	283	—
8. Taichung Mixed Farming Region	1,584	1,584	—	337	337	—	151	151	—
9. Alishan Mixed Farming Region	1,584	1,584	—	631	631	—	1,255	1,255	—
10. Banana & Pineapple Region	3,283	3,283	—	385	385	—	61	61	—
11. Chianan Mixed Farming Region	1,363	1,363	—	180	180	—	145	145	—
12. Western Sugarcane Region	1,615	1,615	—	202	202	—	217	217	—
13. Eastern Sugarcane Region	988	988	—	751	751	—	273	273	—

Table 18. Average Cash and Non-cash Farm Expenditures by Cost Items and by Agricultural Regions, 1967 (Continued)

Unit: NT\$

Agricultural Region	Implements maintenance		New implements		Irrigation fees*	
	Total	Non-cash	Total	Non-cash	Total	Non-cash
Average	115	115	94	94	1,246	1,246
1. Yilan Rice Region	56	56	37	37	478	478
2. Taipei Rice Region	130	130	100	100	1,082	1,082
3. Taichung Rice Region	174	174	72	72	1,099	1,099
4. Kaohsiung Rice Region	134	134	89	89	1,461	1,461
5. Eastern Rice Region	96	96	100	100	552	552
6. Tea Region	116	116	96	96	712	712
7. Miaoli Mixed Farming Region	82	82	122	122	603	603
8. Taichung Mixed Farming Region	25	25	320	320	1,018	1,018
9. Alishan Mixed Farming Region	72	72	189	189	1,009	1,009
10. Banana & Pineapple Region	105	105	12	12	1,273	1,273
11. Chianan Mixed Farming Region	100	100	77	77	1,974	1,974
12. Western Sugarcane Region	135	135	87	87	1,484	1,484
13. Eastern Sugarcane Region	54	54	64	64	551	551

Table 18. Average Cash and Non-cash Farm Expenditures by Cost Items and by Agricultural Regions, 1967 (Continued)

Unit: NT\$

Agricultural Region	Interest		Depreciation			Others**			
	Total	Cash	Non-cash	Total	Cash	Non-cash	Total	Cash	Non-cash
Average	657	657	—	1,131	1,131	—	755	305	450
1. Yilan Rice Region	513	513	—	705	705	—	418	104	314
2. Taipei Rice Region	181	181	—	1,201	1,201	—	1,210	432	778
3. Taichung Rice Region	600	600	—	1,227	1,227	—	888	330	558
4. Kaohsiung Rice Region	723	723	—	1,210	1,210	—	757	230	527
5. Eastern Rice Region	6	6	—	1,075	1,075	—	205	51	154
6. Tea Region	258	258	—	1,214	1,214	—	953	566	387
7. Miaoli Mixed Farming Regions	282	282	—	1,061	1,061	—	447	188	259
8. Taichung Mixed Farming Region	804	804	—	931	931	—	409	282	127
9. Alishan Mixed Farming Region	2,891	2,891	—	1,110	1,110	—	1,202	388	814
10. Banana & Pineapple Region	2,012	2,012	—	1,138	1,138	—	696	343	353
11. Chianan Mixed Farming Region	538	538	—	1,004	1,004	—	728	317	411
12. Western Sugarcane Region	677	677	—	1,279	1,279	—	493	178	315
13. Eastern Sugarcane Region	646	646	—	1,200	1,200	—	491	92	399

* Irrigation fees include membership fee for Irrigation Association and additional charges for obtaining more water.

**Others include licence fee, membership due for Farmers' Association and pump maintenance expenses.

Table 19. Average Labor Cost per Farm by Size Groups and by Agricultural Regions, 1967

Unit: NT\$

Agricultural Region	Average		0.49 chia or less		0.50-0.99 chia				
	Total labor	Hired Family labor	Total labor	Hired Family labor	Total labor	Hired Family labor			
Average	13,621	4,212	9,409	6,135	1,551	4,584	10,622	3,072	7,550
1. Yilan Rice Region	13,945	2,743	11,202	7,019	1,906	5,113	10,961	3,021	7,940
2. Taipei Rice Region	17,366	4,466	12,900	8,936	1,786	7,150	14,167	3,498	10,669
3. Taichung Rice Region	13,150	4,317	8,833	7,264	1,783	5,481	12,027	3,727	8,300
4. Kaohsiung Rice Region	13,378	5,339	8,039	5,403	1,509	3,894	10,951	3,684	7,267
5. Eastern Rice Region	9,588	2,055	7,533	4,784	755	4,029	7,511	990	6,521
6. Tea Region	16,873	3,218	13,655	7,357	1,022	6,335	12,260	2,445	9,815
7. Miaoli Mixed Farming Region	17,599	5,113	12,486	7,328	1,708	5,620	11,331	3,123	8,208
8. Taichung Mixed Farming Region	14,332	4,197	10,135	7,756	2,660	5,096	14,074	3,595	10,479
9. Alishan Mixed Farming Region	17,636	5,653	11,983	5,759	1,578	4,181	12,136	2,703	9,433
10. Banana & Pineapple Region	14,371	6,732	7,639	4,643	1,807	2,836	8,012	1,589	6,423
11. Chianan Mixed Farming Region	11,205	3,963	7,242	4,935	1,380	3,555	8,644	3,112	5,532
12. Western Sugarcane Region	11,041	4,063	6,978	4,341	1,281	3,060	7,205	2,662	4,543
13. Eastern Sugarcane Region	12,697	2,692	10,005	3,870	971	2,899	7,770	1,602	6,168

Table 19. Average Labor Cost per Farm by Size Groups and by Agricultural Regions, 1967
(Continued)
Unit: NT\$

Agricultural Region	1.00-1.49 chia		1.50-1.99 chia		2.00-2.99 chia		3.00 chia and more	
	Total	Hired labor	Total	Hired labor	Total	Hired labor	Total	Hired labor
Average	15,266	4,571	18,913	5,361	26,823	8,782	35,089	14,400
1. Yilan Rice Region	14,357	1,987	17,067	5,367	28,243	2,125	46,421	1,710
2. Taipei Rice Region	18,910	5,539	19,854	5,949	29,846	7,527	50,761	11,200
3. Taichung Rice Region	17,647	6,417	22,351	5,794	36,851	17,758	39,054	16,325
4. Kaohsiung Rice Region	18,327	7,406	26,392	11,088	33,725	16,314	65,023	36,857
5. Eastern Rice Region	9,368	2,273	10,839	2,350	14,270	4,315	15,870	3,240
6. Tea Region	18,716	2,251	20,836	2,850	31,222	7,400	30,786	9,236
7. Miaoli Mixed Farming Region	14,970	2,687	23,219	5,027	29,936	5,836	66,267	33,470
8. Taichung Mixed Farming Region	13,537	4,525	23,340	5,498	27,918	7,481	19,990	7,633
9. Alishan Mixed Farming Region	13,754	5,103	22,705	6,453	41,087	15,418	44,916	16,275
10. Banana & Pine-apple Region	14,208	6,463	16,510	6,795	19,151	9,829	35,938	22,403
11. Chianan Mixed Farming Region	14,021	5,168	17,462	5,716	22,819	7,376	27,303	13,417
12. Western Sugar-cane Region	12,054	3,963	15,783	4,756	21,793	7,991	37,595	18,182
13. Eastern Sugar-cane Region	9,903	755	11,784	2,090	14,525	2,380	22,720	6,575

Table 20. Average Cash and Non-cash Farm Expenditures per Chia by Size Groups and by Agricultural Regions, 1967

Unit: NT\$

Agricultural Region	Average		0.49 chia or less		0.50-0.99 chia		
	Total	Cash	Total	Cash	Total	Cash	
		Non-cash		Non-cash		Non-cash	
Average	27,693	21,236	42,394	31,855	33,216	25,237	7,979
1. Yilan Rice Region	21,204	17,383	28,170	22,900	22,517	17,668	4,849
2. Taipei Rice Region	29,888	22,773	42,279	32,235	37,514	29,566	7,948
3. Taichung Rice Region	36,493	28,392	50,528	38,031	37,657	29,557	8,100
4. Kaohsiung Rice Region	37,310	28,531	41,653	30,428	37,907	28,381	9,526
5. Eastern Rice Region	10,968	7,972	16,151	11,610	14,744	10,162	4,582
6. Tea Region	22,280	16,165	31,348	21,751	27,037	19,647	7,390
7. Miaoli Mixed Farming Region	22,354	17,618	36,414	26,219	25,377	20,043	5,334
8. Taichung Mixed Farming Region	27,770	20,925	46,316	37,008	37,903	27,899	10,004
9. Alishan Mixed Farming Region	33,700	24,558	49,391	40,145	37,507	25,423	12,084
10. Banana & Pineapple Region	32,007	25,978	46,168	38,303	32,227	24,731	7,496
11. Chianan Mixed Farming Region	28,900	22,308	42,851	31,393	32,492	24,660	7,832
12. Western Sugarcane Region	28,009	21,599	43,219	33,369	32,336	23,486	8,850
13. Eastern Sugarcane Region	12,213	8,904	23,927	15,702	27,623	23,860	3,763

Table 20. Average Cash and Non-cash Farm Expenditures per Chia by Size Groups and by Agricultural Regions, 1967 (Continued) Unit: NT\$

Agricultural Region	1.00-1.49 chia		1.50-1.99 chia		2.00-2.99 chia		3.00 chia and more					
	Total Cash	Non-cash	Total Cash	Non-cash	Total Cash	Non-cash	Total Cash	Non-cash				
Average	27,723	21,012	6,711	24,028	18,005	6,023	25,234	19,823	5,411	20,924	16,641	4,283
1. Yilan Rice Region	20,470	16,162	4,308	21,268	18,224	3,044	17,873	15,467	2,405	20,231	16,617	3,614
2. Taipei Rice Region	28,648	21,599	7,049	25,986	19,242	6,744	27,392	21,001	6,391	23,487	17,559	5,928
3. Taichung Rice Region	34,313	26,461	7,852	27,651	20,925	6,726	34,108	28,280	5,828	24,786	19,224	5,562
4. Kaohsiung Rice Region	32,255	24,606	7,649	39,475	30,987	8,488	34,162	26,102	8,050	41,716	34,169	7,547
5. Eastern Rice Region	12,159	8,602	3,557	10,956	7,675	3,281	10,976	8,890	2,086	5,481	3,953	1,528
6. Tea Region	28,950	21,422	7,528	19,929	13,934	5,995	23,029	15,991	7,038	13,782	10,702	3,080
7. Miaoli Mixed Farming Region	17,795	13,862	3,933	22,782	17,932	4,850	17,690	13,392	4,298	22,323	19,025	3,298
8. Taichung Mixed Farming Region	28,671	21,197	7,474	19,561	13,136	6,425	22,895	17,036	5,860	12,520	10,615	1,905
9. Alishan Mixed Farming Region	35,305	26,362	8,943	26,284	17,409	8,875	38,077	32,701	5,376	26,854	16,317	10,537
10. Banana & Pine-apple Region	25,666	19,003	6,663	23,894	19,363	4,531	21,937	16,341	5,595	41,873	35,697	6,176
11. Chianan Mixed Farming Region	28,943	22,624	6,319	24,970	18,799	6,171	27,757	22,410	5,347	21,232	16,789	4,443
12. Western Sugar-cane Region	28,115	20,697	7,418	24,239	17,688	6,551	22,360	17,889	4,471	25,677	21,782	3,895
13. Eastern Sugar-cane Region	12,914	8,919	3,995	14,048	10,426	3,622	14,118	8,841	5,277	9,161	6,713	2,448

Table 21. Average Cash and Non-cash Farm Expenditure per Chia, by Cost Items and by Agricultural Regions, 1967

Unit: NT\$

Agricultural Region	Grand total		Labor wages		Fertilizer	
	Total	Non-cash	Total	Non-cash	Total	Non-cash
Average	27,693	21,236	3,794	3,794	6,751	1,599
1. Yilan Rice Region	21,204	17,383	2,564	2,564	5,201	591
2. Taipei Rice Region	29,888	22,773	4,023	4,023	6,728	1,639
3. Taichung Rice Region	36,493	28,392	5,330	5,330	10,114	2,560
4. Kaohsiung Rice Region	37,310	28,531	6,137	6,137	10,203	2,332
5. Eastern Rice Region	10,968	7,972	1,458	1,458	3,234	653
6. Tea Region	22,280	16,165	2,534	2,534	4,404	1,215
7. Miaoli Mixed Farming Region	22,354	17,618	4,157	4,157	6,129	995
8. Taichung Mixed Farming Region	27,770	20,925	3,997	3,997	6,952	1,510
9. Alishan Mixed Farming Region	33,700	24,558	4,596	4,596	6,890	1,982
10. Banana & Pineapple Region	32,007	25,978	4,207	4,207	7,732	1,942
11. Chianan Mixed Farming Region	28,900	22,308	3,739	3,739	6,864	1,697
12. Western Sugarcane Farming Region	28,009	21,599	3,762	3,762	6,773	1,514
13. Eastern Sugarcane Farming Region	12,213	8,904	1,270	1,270	2,827	514

Table 21. Average Cash and Non-cash Farm Expenditure per Chia, by Cost Items and by Agricultural Regions, 1967 (Continued)

Unit: NT\$

Agricultural Region	Feed		Seedlings		Livestock expenses				
	Total	Non-cash	Total	Non-cash	Total	Non-cash			
	Cash	Cash	Cash	Cash	Cash	Cash			
Average	6,487	3,357	3,130	1,288	673	615	1,308	756	552
1. Yilan Rice Region	2,862	878	1,984	617	10	607	1,138	868	270
2. Taipei Rice Region	7,472	3,886	3,586	928	317	611	1,554	1,023	531
3. Taichung Rice Region	6,091	2,786	3,305	1,540	872	668	1,365	780	585
4. Kaohsiung Rice Region	6,086	3,076	3,010	1,939	409	1,530	1,217	370	847
5. Eastern Rice Region	1,706	307	1,399	656	147	509	455	142	313
6. Tea Region	7,084	3,780	3,304	724	249	475	1,391	716	675
7. Miaoli Mixed Farming Region	4,007	1,316	2,691	878	415	463	948	733	215
8. Taichung Mixed Farming Region	5,948	2,565	3,383	1,733	511	1,222	1,234	708	526
9. Alishan Mixed Farming Region	7,146	2,776	4,370	2,481	1,379	1,102	1,645	756	889
10. Banana & Pineapple Region	8,396	7,046	1,350	1,460	373	1,087	951	509	442
11. Chianan Mixed Farming Region	7,894	4,358	3,536	1,592	1,277	315	1,432	790	642
12. Western Sugarcane Region	7,417	3,638	3,779	1,150	768	382	1,582	1,147	435
13. Eastern Sugarcane Region	3,652	1,826	1,826	655	213	442	843	505	338

**Table 21. Average Cash and Non-cash Farm Expenditure per Chia, by Cost Items and
by Agricultural Regions, 1967 (Continued)**

Unit: NT\$

Agricultural Region	Agricultural chemicals		Veterinary expenses		Materials	
	Total	Non-cash	Total	Non-cash	Total	Non-cash
	Cash	cash	Cash	cash	Cash	cash
Average	1,339	—	162	—	608	156
1. Yilan Rice Region	2,191	—	59	—	250	76
2. Taipei Rice Region	1,536	—	122	—	220	47
3. Taichung Rice Region	2,214	—	201	—	1,141	294
4. Kaohsiung Rice Region	2,274	—	229	—	1,525	454
5. Eastern Rice Region	697	—	12	—	38	13
6. Tea Region	627	—	106	—	241	142
7. Miaoli Mixed Farming Region	1,124	—	9	—	1,175	162
8. Taichung Mixed Farming Region	1,690	—	134	—	767	83
9. Allshan Mixed Farming Region	1,700	—	128	—	1,030	137
10. Banana & Pineapple Region	1,169	—	131	—	2,358	987
11. Chianan Mixed Farming Region	1,123	—	283	—	209	14
12. Western Sugarcane Region	1,178	—	163	—	253	8
13. Eastern Sugarcane Region	497	—	96	—	6	—

Table 21. Average Cash and Non-cash Farm Expenditure per Chia, by Cost Items and by Agricultural Regions, 1967 (Continued)

Unit: NT\$

Agricultural Region	Land tax			Land rent			House maintenance		
	Total	Cash	Non-cash	Total	Cash	Non-cash	Total	Cash	Non-cash
Average	1,638	1,638	—	410	410	—	305	305	—
1. Yilan Rice Region	2,789	2,789	—	977	977	—	495	495	—
2. Taipei Rice Region	2,418	2,418	—	999	999	—	371	371	—
3. Taichung Rice Region	2,580	2,580	—	479	479	—	425	425	—
4. Kaohsiung Rice Region	1,692	1,692	—	699	699	—	282	282	—
5. Eastern Rice Region	803	803	—	214	214	—	253	253	—
6. Tea Region	1,429	1,429	—	543	543	—	560	560	—
7. Miaoli Mixed Farming Region	1,494	1,494	—	92	92	—	230	230	—
8. Taichung Mixed Farming Region	1,508	1,508	—	321	321	—	144	144	—
9. Alishan Mixed Farming Region	1,288	1,288	—	513	513	—	1,020	1,020	—
10. Banana & Pineapple Region	2,051	2,051	—	240	240	—	38	38	—
11. Chianan Mixed Farming Region	1,286	1,286	—	170	170	—	137	137	—
12. Western Sugarcane Region	1,495	1,495	—	187	187	—	201	201	—
13. Eastern Sugarcane Region	466	466	—	354	354	—	129	129	—

Table 21. Average Cash and Non-cash Farm Expenditure per Chia, by Cost Items and by Agricultural Regions, 1967 (Continued)

Unit: NT\$

Agricultural Region	Implement maintenance		New implement		Irrigation fees*	
	Total	Non-cash	Total	Non-cash	Total	Non-cash
	Cash	Cash	Cash	Cash	Cash	Cash
Average	104	104	85	85	1,123	1,123
1. Yilan Rice Region	52	52	34	34	447	447
2. Taipei Rice Region	117	117	90	90	975	975
3. Taichung Rice Region	215	215	89	89	1,357	1,357
4. Kaohsiung Rice Region	154	154	102	102	1,679	1,679
5. Eastern Rice Region	68	68	71	71	392	392
6. Tea Region	91	91	76	76	561	561
7. Miaoli Mixed Farming Region	67	67	99	99	490	490
8. Taichung Mixed Farming Region	24	24	305	305	970	970
9. Alishan Mixed Farming Region	59	59	154	154	821	821
10. Banana & Pineapple Region	66	66	8	8	796	796
11. Chianan Mixed Farming Region	94	94	73	73	1,862	1,862
12. Western Sugarcane Region	125	125	81	81	1,374	1,374
13. Eastern Sugarcane Region	25	25	30	30	260	260

* Irrigation fees include membership fee for Irrigation Association and additional expenses for obtaining more water.

**Table 21. Average Cash and Non-cash Farm Expenditure per Chia, by Cost Items and
by Agricultural Regions, 1967 (Continued)**

Unit: NT\$

Agricultural Region	Interest		Depreciation		Others**	
	Total	Cash	Total	Cash	Total	Cash
Average	592	592	1,019	1,019	680	275
1. Yilan Rice Region	479	479	659	659	390	97
2. Taipei Rice Region	163	163	1,082	1,082	1,090	389
3. Taichung Rice Region	741	741	1,515	1,515	1,096	407
4. Kaohsiung Rice Region	831	831	1,391	1,391	870	264
5. Eastern Rice Region	4	4	762	762	145	36
6. Tea Region	203	203	956	956	750	446
7. Miaoli Mixed Farming Region	229	229	863	863	363	153
8. Taichung Mixed Farming Region	766	766	887	887	390	269
9. Alishan Mixed Farming Region	2,350	2,350	902	902	977	315
10. Banana & Pineapple Region	1,258	1,258	711	711	435	214
11. Chianan Mixed Farming Region	508	508	947	947	687	299
12. Western Sugarcane Region	627	627	1,184	1,184	457	165
13. Eastern Sugarcane Region	305	305	566	566	232	43

** Others include license fee, membership due for Farmers' Association, pump maintenance expenses, etc.

Table 22. Average Family Living Expenditures by Cost Items and by Agricultural Regions, 1967

Unit: NT\$

Agricultural Region	Grand total		Staple food		Supplementary food		House rent					
	Total	Non-cash	Total	Non-cash	Total	Non-cash	Total	Non-cash				
Average	37,169	26,408	10,761	7,123	8,534	7,404	1,130	2,545	37	2,508		
1. Yilan Rice Region	34,401	20,642	13,759	11,162	467	10,695	5,633	1,402	1,700	38	1,662	
2. Taipei Rice Region	37,851	24,681	13,170	9,458	1,312	8,146	6,592	2,100	2,969	45	2,924	
3. Taichung Rice Region	35,563	23,710	11,853	8,661	509	8,152	6,850	1,290	2,447	36	2,411	
4. Kaohsiung Rice Region	40,382	30,347	10,035	8,572	1,752	6,820	11,057	10,464	593	2,622	—	2,622
5. Eastern Rice Region	23,249	13,332	9,917	7,846	265	7,581	4,798	4,321	477	1,999	140	1,859
6. Tea Region	38,779	25,183	13,595	10,083	1,656	8,427	7,980	5,879	2,101	3,105	37	3,068
7. Miaoli Mixed Farming Region	37,042	23,754	13,288	11,319	2,142	9,177	6,446	4,910	1,536	2,617	42	2,575
8. Taichung Mixed Farming Region	40,010	27,757	12,253	11,237	2,027	9,210	7,007	5,820	1,187	2,112	256	1,856
9. Alishan Mixed Farming Region	46,590	35,157	11,433	10,285	3,139	7,146	10,865	9,545	1,320	3,053	86	2,967
10. Banana & Pineapple Region	42,997	34,307	8,690	8,382	3,099	5,283	8,098	7,148	950	2,458	1	2,457
11. Chianan Mixed Farming Region	36,718	28,974	7,744	7,837	2,685	5,152	8,619	8,239	380	2,218	6	2,212
12. Western Sugarcane Region	35,182	25,174	10,008	7,178	961	6,217	10,168	9,149	1,019	2,773	1	2,772
13. Eastern Sugarcane Region	33,897	24,662	9,235	9,114	3,638	5,476	6,739	5,580	1,159	2,676	76	2,600

Note: All the expenses but staple food, supplementary food and house rent are in cash.

Table 22. Average Family Living Expenditures by Cost Items and by Agricultural Regions, 1967 (Continued)

Agricultural Region	Regions, 1967 (Continued)										Unit: NT\$	
	Clo- things	Furni- ture	Elec- tricity	Medic- al	Educ- ation	Wedding & Funeral	Festival expenses	Social expenses	Interest	Trans- portation	Tax	Misce- llane- ous
Average	2,249	315	1,144	2,462	2,000	1,600	1,721	1,651	479	569	668	2,368
1. Yilan Rice Region	2,078	204	1,564	1,749	783	1,033	2,815	1,176	282	440	280	2,100
2. Taipei Rice Region	2,539	263	1,308	2,351	1,602	420	1,813	1,629	562	571	640	3,034
3. Taichung Rice Region	2,252	301	1,212	2,785	1,469	1,476	1,619	1,331	415	583	613	2,259
4. Kaohsiung Rice Region	2,086	336	1,245	2,437	2,299	1,886	1,645	1,985	494	477	958	2,283
5. Eastern Rice Region	1,265	334	366	309	564	1,578	496	577	3	506	210	2,398
6. Tea Region	2,458	319	1,806	2,104	1,854	2,503	1,787	1,525	231	594	460	1,970
7. Miaoli Mixed Farming Region	2,308	347	968	1,815	1,955	2,205	1,831	1,512	395	561	1,254	1,509
8. Taichung Mixed Farming Region	2,512	776	1,140	3,837	1,321	1,826	2,154	1,392	1,014	646	583	2,453
9. Alishan Mixed Farming Region	3,189	623	1,475	2,892	3,158	590	2,745	2,332	277	1,040	952	3,114
10. Banana & Pine- apple Region	1,890	147	908	2,601	3,046	3,644	3,384	3,129	80	822	1,196	3,209
11. Chianan Mixed Farming Region	2,036	298	845	2,761	2,603	1,679	1,556	1,859	794	533	508	2,562
12. Western Sugar- cane Region	2,039	248	980	2,169	2,190	1,305	984	1,588	323	445	833	1,959
13. Eastern Sugar- cane Region	3,030	172	1,144	2,238	1,349	1,228	1,661	1,038	409	524	482	2,093

Table 23. Average Family Living Expenditures by Items and by Size Groups, 1967

Unit: NT\$

Size Group	Grand total		Staple food		Supplementary food		House rent				
	Total	Non-cash	Total	Non-cash	Total	Non-cash	Total	Non-cash			
Average	NT\$37,169 % 100.00	26,408 71.05	10,761 28.95	8,864 23.85	1,741 4.69	7,123 19.16	7,404 19.92	1,130 3.04	2,545 6.85	37 0.10	2,508 6.75
0.49 chia or less	NT\$28,005 % 100.00	21,076 75.26	6,929 24.74	6,995 24.98	2,505 8.95	4,490 16.03	6,256 22.33	741 2.65	1,757 6.27	59 0.21	1,698 6.06
0.50-0.99 chia	NT\$32,653 % 100.00	23,273 71.28	9,380 28.72	7,912 24.23	1,511 4.63	6,401 19.60	6,739 20.64	964 2.95	2,049 6.28	34 0.11	2,015 6.17
1.00-1.49 chia	NT\$39,610 % 100.00	27,404 69.18	12,206 30.82	9,490 23.96	1,280 3.23	8,210 20.73	7,505 18.95	1,299 3.28	2,719 6.86	22 0.05	2,697 6.81
1.50-1.99 chia	NT\$42,733 % 100.00	29,656 69.40	13,077 30.60	9,965 23.32	1,159 2.71	8,806 20.61	8,503 19.90	1,501 3.51	2,775 6.49	5 0.01	2,770 6.48
2.00-2.99 chia	NT\$4,660 % 100.00	37,134 67.93	17,526 32.07	12,868 23.54	1,418 2.59	11,450 20.95	9,533 17.44	1,831 3.35	4,273 7.82	28 0.05	4,245 7.77
3.00 chia and more	NT\$66,159 % 100.00	46,294 69.97	19,865 30.03	13,945 21.08	1,680 2.54	12,265 18.54	11,539 17.44	1,850 2.80	5,799 8.77	49 0.08	5,750 8.69

Note: All expenses but staple food, supplementary food and house rent are in cash.

Table 23. Average Family Living Expenditures by Items and by Size Groups, 1967

(Continued)

Size Group	Clo- things		Furni- ture	Elec- tricity	Medical expen- ses	Wedding & Funeral	Festival expen- ses	Social expen- ses	Inte- rest	Trans- portation	Tax	Others	Unit: NT\$
	NT\$	%											
Average	NT\$ 2,249	315	1,144	2,462	2,000	1,600	1,721	1,651	479	569	668	2,368	
	% 6.05	0.85	3.08	6.62	5.38	4.30	4.63	4.44	1.29	1.53	1.80	6.37	
0.49 chia or less	NT\$ 1,634	184	971	1,871	1,204	976	1,291	1,187	526	367	309	1,730	
	% 5.83	0.66	3.47	6.68	4.30	3.49	4.61	4.24	1.88	1.31	1.10	6.29	
0.50-0.99 chia	NT\$ 2,010	251	1,050	2,330	1,480	1,500	1,536	1,422	507	430	464	2,006	
	% 6.16	0.77	3.22	7.14	4.53	4.59	4.70	4.35	1.55	1.32	1.42	6.15	
1.00-1.49 chia	NT\$ 2,394	368	1,205	2,601	2,164	2,079	1,768	1,648	405	574	640	2,755	
	% 6.04	0.93	3.04	6.57	5.46	5.25	4.46	4.16	1.02	1.45	1.62	6.91	
1.50-1.99 chia	NT\$ 2,667	334	1,237	3,052	1,979	2,248	2,006	1,892	217	761	763	2,833	
	% 6.24	0.78	2.89	7.14	4.63	5.26	4.70	4.43	0.51	1.78	1.79	6.63	
2.00-2.99 chia	NT\$ 3,406	691	1,537	3,090	4,150	2,001	2,494	2,656	697	1,044	1,032	3,357	
	% 6.23	1.26	2.81	5.66	7.59	3.66	4.56	4.86	1.28	1.91	1.89	6.14	
3.00 chia and more	NT\$ 3,853	589	1,609	3,930	5,231	2,323	3,180	3,388	420	1,299	3,028	4,176	
	% 5.82	0.89	2.43	5.94	7.91	3.51	4.81	5.12	0.63	1.96	4.58	6.31	

Table 24. Average Family Earnings by Size Groups and by Agricultural Regions, 1967

Unit: NT\$

Agricultural Region	Average	0.49 chia or less	0.50-0.99 chia	1.00-1.49 chia	1.50-1.99 chia	2.00-2.99 chia	3.00 chia and more
Average	40,388	29,065	31,508	42,587	48,485	61,476	94,475
1. Yilan Rice Region	32,910	20,565	27,220	33,892	27,857	67,825	111,133
2. Taipei Rice Region	40,596	30,220	38,773	35,600	46,660	53,719	97,248
3. Taichung Rice Region	39,886	30,024	35,145	52,238	55,211	83,321	91,503
4. Kaohsiung Rice Region	46,540	31,627	33,086	70,709	61,180	100,991	161,807
5. Eastern Rice Region	32,597	21,580	21,141	27,230	38,799	45,433	90,640
6. Tea Region	40,384	30,772	30,429	41,339	37,468	65,335	68,788
7. Miaoli Mixed Farming Region	45,267	29,604	31,971	35,012	75,770	73,421	95,123
8. Taichung Mixed Farming Region	39,697	33,140	33,415	41,616	47,829	56,796	67,677
9. Alishan Mixed Farming Region	48,054	42,025	27,776	42,142	37,882	37,612	189,491
10. Banana & Pineapple Region	43,907	20,540	22,023	47,272	52,346	46,397	113,440
11. Chianan Mixed Farming Region	38,992	27,546	30,115	43,265	49,152	63,480	92,911
12. Western Sugarcane Region	38,332	27,419	30,371	37,401	59,344	51,777	85,672
13. Eastern Sugarcane Region	38,312	14,771	23,268	25,675	30,399	48,154	72,825

Table 25. Average Family Earnings per Person by Size Groups and by Agricultural Regions, 1967

Unit: NT\$

Agricultural Region	Average	0.49 chia or less	0.50-0.99 chia	1.00-1.49 chia	1.50-1.99 chia	2.00-2.99 chia	3.00 chia and more
Average	4,866	4,037	4,201	4,925	5,213	5,489	8,511
1. Yilan Rice Region	4,063	3,213	3,834	4,580	3,665	5,299	4,536
2. Taipei Rice Region	4,776	4,029	4,728	4,684	5,760	4,796	5,343
3. Taichung Rice Region	4,986	4,289	4,564	5,678	5,258	7,935	8,715
4. Kaohsiung Rice Region	5,607	4,274	4,411	7,290	5,940	9,438	10,113
5. Eastern Rice Region	3,790	2,158	2,936	3,094	4,565	4,454	10,071
6. Tea Region	4,251	3,996	3,623	4,134	3,747	5,185	5,503
7. Miaoli Mixed Farming Region	4,867	4,170	3,761	4,377	6,532	5,562	6,606
8. Taichung Mixed Farming Region	4,726	4,304	4,026	4,839	7,247	5,514	5,989
9. Allshan Mixed Farming Region	5,339	5,003	3,561	4,789	4,073	2,807	21,055
10. Banana & Pineapple Region	5,227	2,934	2,936	5,984	6,384	4,505	10,220
11. Chitanan Mixed Farming Region	4,936	3,773	4,364	5,547	5,523	5,719	8,934
12. Western Sugarcane Region	4,792	4,352	4,339	4,156	5,346	5,027	7,718
13. Eastern Sugarcane Region	4,672	2,345	3,944	3,131	3,535	5,802	7,002

Table 26. Average Farm Earnings by Size Groups and by Agricultural Regions, 1967

Agricultural Region	Average 0.49 chia or less	0.50-0.99 chia	1.00-1.49 chia	1.50-1.99 chia	2.00-2.99 chia	3.00 chia and more	
							Unit: NT\$
Average	23,578	9,994	16,824	26,088	34,134	43,019	76,173
1. Yilan Rice Region	17,567	7,323	13,172	18,407	16,933	39,990	80,233
2. Taipei Rice Region	22,929	9,725	17,295	24,843	32,721	39,470	67,995
3. Taichung Rice Region	22,557	12,373	19,835	34,858	40,457	50,043	77,887
4. Kaohsiung Rice Region	27,895	11,748	22,453	37,926	49,332	80,608	130,381
5. Eastern Rice Region	23,841	10,620	13,941	17,851	30,738	35,710	79,405
6. Tea Region	22,296	10,648	16,787	21,862	24,952	39,477	48,063
7. Miaoli Mixed Farming Region	29,657	14,000	18,081	23,824	54,921	57,557	71,579
8. Taichung Mixed Farming Region	23,919	12,138	20,009	22,204	40,385	44,266	64,609
9. Alishan Mixed Farming Region	28,871	19,344	11,125	19,867	26,458	16,323	169,828
10. Banana & Pineapple Region	32,308	5,980	14,449	33,228	37,066	37,001	102,638
11. Chianan Mixed Farming Region	21,905	6,904	14,848	27,604	36,276	46,687	76,186
12. Western Sugarcane Region	19,778	7,590	14,375	22,475	30,169	34,177	65,215
13. Eastern Sugarcane Region	27,965	5,393	13,613	16,826	21,715	40,117	58,071

Table 27. Average Farm Earnings per Chia by Size Groups and by Agricultural Regions, 1967

Unit: NT\$

Agricultural Region	Average	0.49 chia or less	0.50-0.99 chia	1.00-1.49 chia	1.50-1.99 chia	2.00-2.99 chia	3.00 chia and more
Average	21,241	30,285	23,695	21,383	20,079	17,851	18,715
1. Yilan Rice Region	16,417	19,792	18,552	16,007	10,786	16,124	20,058
2. Taipei Rice Region	20,657	28,603	24,359	19,874	19,135	17,464	19,482
3. Taichung Rice Region	27,848	38,666	27,549	29,292	23,386	20,342	22,446
4. Kaohsiung Rice Region	32,064	36,713	31,185	30,101	29,718	35,199	32,035
5. Eastern Rice Region	16,909	25,903	20,501	14,167	18,629	14,170	17,076
6. Tea Region	17,555	32,267	22,996	18,372	14,765	17,090	12,452
7. Miaoli Mixed Farming Region	24,111	38,889	25,466	19,213	32,497	23,784	15,872
8. Taichung Mixed Farming Region	22,780	32,806	27,790	20,004	23,757	18,292	18,947
9. Alishan Mixed Farming Region	23,472	58,618	15,033	17,899	15,472	6,801	43,884
10. Banana & Pineapple Region	20,192	16,161	20,641	25,959	21,181	16,229	21,163
11. Chianan Mixed Farming Region	20,665	22,271	20,622	22,626	20,611	18,308	20,209
12. Western Sugarcane Region	18,313	23,718	20,833	18,272	18,284	14,360	18,216
13. Eastern Sugarcane Region	13,191	13,154	20,020	12,943	13,082	17,292	11,685

Table 28. Farm Output-input Ratios by Size Groups and by Agricultural Regions, 1967

Agricultural Region	Average	0.49 chia or less	0.50-0.99 chia	1.00-1.49 chia	1.50-1.99 chia	2.00-2.99 chia	3.00 chia and more
Average	1.77	1.71	1.71	1.77	1.84	1.71	1.89
1. Yilan Rice Region	1.77	1.70	1.82	1.78	1.51	1.90	1.99
2. Taipei Rice Region	1.69	1.68	1.65	1.69	1.74	1.64	1.83
3. Taichung Rice Region	1.76	1.77	1.73	1.85	1.85	1.60	1.91
4. Kaohsiung Rice Region	1.86	1.88	1.82	1.93	1.75	2.03	1.77
5. Eastern Rice Region	2.54	2.60	2.39	2.17	2.70	2.29	4.12
6. Tea Region	1.79	2.03	1.85	1.63	1.74	1.74	1.90
7. Miaoli Mixed Farming Region	2.08	2.07	2.00	2.08	2.43	2.34	1.71
8. Taichung Mixed Farming Region	1.82	1.71	1.73	1.70	2.21	1.80	2.51
9. Alishan Mixed Farming Region	1.70	2.19	1.40	1.51	1.59	1.18	2.63
10. Banana & Pineapple Region	1.63	1.35	1.64	2.01	1.89	1.74	1.51
11. Chianan Mixed Farming Region	1.72	1.52	1.63	1.78	1.83	1.66	1.95
12. Western Sugarcane Region	1.65	1.55	1.64	1.65	1.75	1.64	1.71
13. Eastern Sugarcane Region	2.08	1.55	1.72	2.00	1.93	2.22	2.28

Note: Output-input ratio = $\frac{\text{farm receipts}}{\text{farm expenditure}}$

Table 29. Average Farm Family Surplus by Size Groups and by Agricultural Regions, 1967

Unit: NT\$

Agricultural Region	Average	0.49 chia or less	0.50-0.99 chia	1.00-1.49 chia	1.50-1.99 chia	2.00-2.99 chia	3.00 chia & more
Average	3,219	1,060	-1,145	2,977	5,752	6,816	28,316
1. Yilan Rice Region	-1,491	-6,285	-3,925	1,765	-1,563	8,600	18,203
2. Taipei Rice Region	2,745	2,698	1,262	514	6,147	2,191	21,448
3. Taichung Rice Region	4,323	1,780	1,661	8,257	7,144	18,871	37,532
4. Kaohsiung Rice Region	6,158	782	-1,790	19,604	2,893	42,692	49,862
5. Eastern Rice Region	9,348	734	1,065	5,096	18,314	9,440	59,351
6. Tea Region	1,605	4,890	-4,365	-1,747	669	11,755	9,241
7. Miaoli Mixed Farming Region	8,225	4,448	4,304	3,696	31,516	9,763	8,841
8. Taichung Mixed Farming Region	313	-3,851	-2,013	-3,391	4,484	8,907	18,942
9. Alishan Mixed Farming Region	1,464	7,330	-8,178	-5,592	-15,216	-39,056	119,686
10. Banana & Pineapple Region	910	-8,904	-7,626	2,722	9,320	4,779	30,699
11. Chianan Mixed Farming Region	2,274	128	-2,334	2,344	4,130	6,102	35,580
12. Western Sugarcane Region	3,150	2,015	331	2,369	13,278	5,702	9,286
13. Eastern Sugarcane Region	4,415	-4,926	-11,106	233	-4,618	11,291	19,504

Table 30. Average Value of Family Assets by Size Groups and by Agricultural Regions, 1967

Agricultural Region	Unit: NT\$						
	Average	0.49 chia or less	0.50-0.99 chia	1.00-1.49 chia	1.50-1.99 chia	2.00-2.99 chia	3.00 chia and more
Average	308,456	121,442	221,209	331,889	422,527	703,524	891,651
1. Yilan Rice Region	139,208	61,699	109,013	173,460	130,628	341,173	410,490
2. Taipei Rice Region	414,955	117,054	322,690	373,968	519,621	840,083	1,936,928
3. Taichung Rice Region	349,242	152,577	293,176	515,353	547,645	1,430,233	1,014,208
4. Kaohsiung Rice Region	299,135	149,888	245,178	458,001	468,655	699,858	1,174,100
5. Eastern Rice Region	144,621	102,845	95,373	126,607	148,430	228,544	379,670
6. Tea Region	281,158	86,544	170,648	255,600	390,850	514,746	789,133
7. Miaoli Mixed Farming Region	363,503	153,326	194,445	296,042	503,086	811,464	1,202,690
8. Taichung Mixed Farming Region	295,475	172,798	212,435	312,032	500,863	629,036	583,350
9. Allshan Mixed Farming Region	304,860	146,306	231,642	263,381	304,261	534,019	870,144
10. Banana & Pineapple Region	441,715	135,068	169,100	353,305	424,308	632,334	1,418,192
11. Chianan Mixed Farming Region	296,709	95,841	199,929	355,707	459,776	778,979	880,072
12. Western Sugarcane Region	279,275	103,810	200,767	267,119	546,161	527,569	858,989
13. Eastern Sugarcane Region	180,468	48,069	66,750	105,480	110,782	278,467	398,990

Note: Assets include land, orchard, forest, construction, implements, cattle, etc., valued at year end.

Table 31. Value of Purchased Assets Per Farm Household by Size Groups and by Agricultural Regions, 1967

Unit: NT\$

Agricultural Region	Average	0.49 chia or less	0.50-0.99 chia	1.00-1.49 chia	1.50-1.99 chia	2.00-2.99 chia	3.00 chia and more
Average	5,175	1,134	3,093	4,643	7,137	15,170	20,487
1. Yilan Rice Region	119	4	9	22	119	—	2,550
2. Taipei Rice Region	3,910	249	2,479	11,968	3,736	1,751	3,602
3. Taichung Rice Region	3,593	822	2,214	3,903	7,697	30,770	1,408
4. Kaohsiung Rice Region	6,933	794	15,160	6,305	5,255	1,047	28,833
5. Eastern Rice Region	3,413	250	2,853	4,144	376	12,201	—
6. Tea Region	8,316	491	3,621	2,875	364	62,898	2,417
7. Miaoli Mixed Farming Region	2,140	1,779	644	244	1,120	1,605	18,030
8. Taichung Mixed Farming Region	5,553	901	2,213	10,717	2,833	5,196	37,583
9. Alishan Mixed Farming Region	12,840	1,216	3,457	2,021	14,099	2,471	124,160
10. Banana & Pineapple Region	6,103	28	358	9,040	6,076	20,646	7,236
11. Chianan Mixed Farming Region	4,018	2,626	2,131	4,241	2,024	10,306	17,611
12. Western Sugarcane Region	6,837	377	1,447	2,446	44,922	5,773	30,338
13. Eastern Sugarcane Region	5,801	25	2,679	1,434	2,457	10,309	15,016

Table 32. Value of Purchased Assets Per Farm Household by Items and by Agricultural Regions, 1967

Agricultural Region	Total		Land		Construction		Implements		Livestock		Land improvement	
	NT\$	%	NT\$	%	NT\$	%	NT\$	%	NT\$	%	NT\$	%
Average	5,175	100.00	2,428	46.92	1,386	26.78	640	12.37	302	5.84	419	8.09
1. Yilan Rice Region	119	100.00	—	—	—	—	119	100.00	—	—	—	—
2. Taipei Rice Region	3,910	100.00	2,542	65.01	63	1.61	566	14.48	619	15.83	120	3.07
3. Taichung Rice Region	3,593	100.00	1,430	39.80	536	14.92	1,024	28.50	170	4.73	433	12.05
4. Kaohsiung Rice Region	6,933	100.00	2,873	41.44	2,992	43.16	999	14.41	56	0.81	13	0.18
5. Eastern Rice Region	3,413	100.00	—	—	800	23.44	2,574	75.42	—	—	39	1.14
6. Tea Region	8,316	100.00	6,599	79.35	809	9.73	533	6.41	223	2.68	152	1.83
7. Miaoli Mixed Farming Region	2,140	100.00	1,088	50.84	555	25.94	293	13.69	166	7.76	38	1.77
8. Taichung Mixed Farming Region	5,553	100.00	2,033	36.61	848	15.27	1,054	18.98	1,344	24.20	274	4.94
9. Alishan Mixed Farming Region	12,840	100.00	2,418	18.83	9,597	74.74	529	4.12	296	2.31	—	—
10. Banana & Pine-apple Region	6,103	100.00	3,644	59.71	1,822	29.85	429	7.03	25	0.41	183	3.00
11. Chianan Mixed Farming Region	4,048	100.00	1,680	41.50	1,298	32.07	348	8.60	339	8.37	383	9.46
12. Western Sugar-cane Region	6,837	100.00	3,805	55.65	617	9.02	219	3.20	243	3.56	1,953	28.57
13. Eastern Sugar-cane Region	5,804	100.00	644	11.10	3,151	54.29	1,200	20.68	695	11.97	114	1.96

Table 33. Value of Purchased Assets Per Farm Household by Items and by Size Groups, 1967

Unit: NT\$

Size Group	Total	Land	Construction	Implements	Livestock	Land improvement
Average	NT\$ 5,175 100.00	2,428 46.92	1,386 26.78	640 12.37	302 5.84	419 8.09
0.49 chia or less	NT\$ 1,134 100.00	129 11.38	731 64.46	64 5.64	158 13.93	52 4.59
0.50-0.99 chia	NT\$ 3,093 100.00	1,154 37.31	942 30.45	540 17.46	196 6.34	261 8.44
1.00-1.49 chia	NT\$ 4,643 100.00	1,751 37.71	1,192 25.68	541 11.65	508 10.94	651 14.02
1.50-1.99 chia	NT\$ 7,137 100.00	5,168 72.23	443 6.19	718 10.04	501 7.00	307 4.54
2.00-2.99 chia	NT\$ 15,170 100.00	10,332 68.13	1,446 9.53	2,269 14.96	308 2.03	815 5.35
3.00 chia and more	NT\$ 20,487 100.00	6,297 30.27	9,472 45.53	1,901 9.14	671 3.23	2,146 11.83

Table 34. Average Family Receipts of 1967 in Comparison with 1952, 1957 and 1962
(at 1952 price)

Agricultural Region	Unit: NT\$							
	Average			0.49 chia or less				
	1952	1957	1962	1952	1957	1962		
Average	12,500	14,671	15,826	24,275	5,758	7,628	8,323	14,694
1. Yilan Rice Region	14,000	15,225	14,194	18,975	5,663	11,823	8,663	10,576
2. Taipei Rice Region	16,833	17,636	20,992	25,178	7,957	9,147	9,646	15,220
3. Taichung Rice Region	13,355	14,373	19,659	23,701	6,834	7,490	9,994	15,765
4. Kaohsiung Rice Region	13,037	14,330	19,605	26,962	6,816	7,151	10,586	15,343
5. Eastern Rice Region	14,677	9,129	12,961	16,403	5,304	4,357	4,698	9,625
6. Tea Region	14,254	16,267	16,944	23,440	7,610	10,124	9,112	14,033
7. Miaoli Mixed Farming Region	11,886	17,327	16,394	24,833	6,406	11,568	9,063	14,578
8. Taichung Mixed Farming Region	10,096	15,262	16,084	23,500	5,888	7,036	8,429	17,159
9. Alishan Mixed Farming Region	12,318	12,561	11,216	30,548	6,063	8,472	6,366	19,906
10. Banana & Pineapple Region	11,402	14,551	15,761	32,463	4,618	7,582	8,897	12,840
11. Chianan Mixed Farming Region	10,547	13,878	12,992	23,763	4,003	5,972	6,973	13,936
12. Western Sugarcane Region	9,734	14,290	13,288	23,407	3,839	7,419	7,716	14,078
13. Eastern Sugarcane Region	12,231	12,248	12,491	21,912	5,309	6,145	4,785	8,389

Table 34. Average Family Receipts of 1967 in Comparison with 1952, 1957 and 1962
(Continued)
Unit: NT\$

Agricultural Region	0.50-0.99 chia			1.00-1.99 chia			2.00 chia and more					
	1952	1957	1962	1952	1957	1962	1952	1957	1962	1967		
Average	8,560	11,628	12,734	18,802	14,063	16,381	18,690	27,749	24,665	29,712	30,059	49,349
1. Yilan Rice Region	10,181	9,867	10,485	14,746	14,449	14,363	15,387	20,171	26,954	30,178	17,962	47,367
2. Taipei Rice Region	11,279	13,643	14,561	22,323	17,004	18,270	25,488	27,172	29,230	30,512	42,684	45,174
3. Taichung Rice Region	10,930	13,613	16,416	21,248	18,939	19,516	26,505	32,817	32,285	36,318	55,446	57,900
4. Kaohsiung Rice Region	9,566	12,595	14,828	20,607	17,135	17,569	26,279	39,818	31,129	36,705	50,074	78,502
5. Eastern Rice Region	10,561	5,058	8,457	10,637	14,838	9,048	12,319	16,823	24,101	19,554	29,182	29,143
6. Tea Region	9,296	11,414	13,856	17,121	12,426	14,744	17,716	25,304	21,803	25,661	27,039	41,002
7. Miaoli Mixed Farming Region	8,819	13,731	12,656	17,061	14,787	20,135	18,523	28,727	25,433	40,005	27,606	49,369
8. Taichung Mixed Farming Region	7,680	17,710	11,930	20,718	13,881	18,768	25,005	25,624	25,714	25,841	41,974	38,085
9. Alishan Mixed Farming Region	8,384	8,273	9,943	18,953	13,216	14,114	13,925	27,962	28,693	27,727	20,271	67,408
10. Banana & Pine-apple Region	8,583	12,604	13,496	15,216	11,456	21,540	20,569	30,041	20,345	26,214	30,219	65,772
11. Chiinan Mixed Farming Region	6,402	9,857	10,652	18,262	10,999	13,396	17,190	28,724	22,446	30,916	27,999	50,500
12. Western Sugar-cane Region	6,132	9,157	10,774	17,980	10,900	16,416	15,345	27,538	19,984	27,802	27,922	45,233
13. Eastern Sugar-cane Region	7,260	5,766	7,560	14,352	12,548	13,294	12,092	16,064	23,561	25,541	27,724	36,560

Table 35. Percentage of Average Farm and Non-farm Receipts of 1967 in Comparison with 1952, 1957 and 1962 Unit: %

Agricultural Region	1952		1957		1962		1967					
	Family Farm receipt	Non-farm receipt	Family Farm receipt	Non-farm receipt	Family Farm receipt	Non-farm receipt	Family Farm receipt	Non-farm receipt				
Average	100.00	86.98	13.02	100.00	78.39	21.61	100.00	74.97	25.03	100.00	76.37	23.63
1. Yilan Rice Region	100.00	90.73	9.27	100.00	78.32	21.68	100.00	80.32	19.68	100.00	72.40	27.60
2. Taipei Rice Region	100.00	88.25	11.75	100.00	77.52	22.48	100.00	79.38	20.62	100.00	76.05	23.95
3. Taichung Rice Region	100.00	87.49	12.51	100.00	77.04	22.96	100.00	77.81	22.19	100.00	75.05	24.95
4. Kaohsiung Rice Region	100.00	86.54	13.46	100.00	84.38	15.62	100.00	76.89	23.11	100.00	76.40	23.60
5. Eastern Rice Region	100.00	91.44	8.56	100.00	85.34	14.66	100.00	81.25	18.75	100.00	81.78	18.22
6. Tea Region	100.00	84.73	15.27	100.00	81.59	18.41	100.00	70.12	29.88	100.00	73.66	26.34
7. Miaoli Mixed Farming Region	100.00	88.10	11.90	100.00	69.44	30.56	100.00	76.09	23.91	100.00	78.55	21.45
8. Taichung Mixed Farming Region	100.00	81.75	18.25	100.00	71.32	28.68	100.00	75.37	24.63	100.00	78.57	21.43
9. Alishan Mixed Farming Region	100.00	91.11	8.89	100.00	86.50	13.50	100.00	76.14	23.86	100.00	87.81	12.19
10. Banana & Pine-apple Region	100.00	87.08	12.92	100.00	76.39	23.61	100.00	72.17	27.83	100.00	75.46	24.54
11. Chianan Mixed Farming Region	100.00	85.86	14.14	100.00	79.61	20.39	100.00	74.74	25.83	100.00	72.95	27.05
12. Western Sugar-cane Region	100.00	84.26	15.74	100.00	76.75	23.25	100.00	74.44	25.56	100.00	83.88	16.12
13. Eastern Sugar-cane Region	100.00	84.26	15.74	100.00	76.75	23.25	100.00	74.44	25.56	100.00	83.88	16.12

Table 36. Average Cash and Non-cash Family Receipts of 1967 in Comparison with 1952, 1957 and 1962 (at 1952 price)

Agricultural Region	1952				1957							
	Total		Non-cash		Total		Cash		Non-cash			
	NT\$	%	NT\$	%	NT\$	%	NT\$	%	NT\$	%		
Average	12,500	100.00	5,503	44.02	6,997	55.98	14,671	100.00	9,191	62.60	5,480	37.40
1. Yilan Rice Region	14,000	100.00	4,880	34.90	9,120	65.10	15,225	100.00	8,768	57.60	6,457	42.40
2. Taipei Rice Region	16,833	100.00	6,524	38.80	10,309	61.20	17,636	100.00	10,295	58.40	7,341	41.60
3. Taichung Rice Region	13,355	100.00	5,786	43.30	7,569	56.70	14,373	100.00	7,105	49.40	7,268	50.60
4. Kaohsiung Rice Region	13,037	100.00	6,491	49.80	6,546	50.20	14,330	100.00	9,024	63.00	5,306	37.00
5. Eastern Rice Region	14,677	100.00	6,631	45.20	8,046	54.80	9,129	100.00	5,129	56.20	4,000	43.80
6. Tea Region	14,254	100.00	6,701	47.00	7,553	53.00	16,267	100.00	9,984	61.40	6,283	38.60
7. Miaoli Mixed Farming Region	11,886	100.00	4,328	36.40	7,558	63.60	17,327	100.00	10,590	61.10	6,737	38.90
8. Taichung Mixed Farming Region	10,096	100.00	4,021	39.80	6,075	60.20	15,262	100.00	10,158	66.60	5,104	33.40
9. Alishan Mixed Farming Region	12,318	100.00	6,225	50.50	6,093	49.50	12,561	100.00	9,046	72.00	3,515	28.00
10. Banana & Pine-apple Region	11,402	100.00	5,328	46.70	6,074	53.30	14,551	100.00	9,992	68.70	4,559	31.30
11. Chianan Mixed Farming Region	10,547	100.00	4,733	44.90	5,814	55.10	13,878	100.00	10,026	72.20	3,852	27.80
12. Western Sugar-cane Region	9,734	100.00	4,130	42.40	5,604	57.60	14,290	100.00	9,412	65.90	4,878	34.10
13. Eastern Sugar-cane Region	12,231	100.00	7,182	58.70	5,049	41.30	12,248	100.00	8,906	72.70	3,342	27.30

Table 36. Average Cash and Non-cash Family Receipts of 1967 in Comparison with 1952, 1957 and 1962 (Continued)

Agricultural Region	1962				1967							
	Total		Cash		Non-cash		Total		Cash		Non-cash	
	NT\$	%	NT\$	%	NT\$	%	NT\$	%	NT\$	%	NT\$	%
Average	15,826	100.00	9,358	59.13	6,468	40.87	24,275	100.00	16,779	69.12	7,496	30.88
1. Yilan Rice Region	14,194	100.00	7,546	53.16	6,648	46.84	18,975	100.00	11,291	59.50	7,684	40.50
2. Taipei Rice Region	20,992	100.00	11,470	54.94	9,522	45.06	25,178	100.00	17,037	67.67	8,141	32.33
3. Taichung Rice Region	19,659	100.00	10,843	55.16	8,816	44.84	23,701	100.00	16,565	69.89	7,136	30.11
4. Kaohsiung Rice Region	19,605	100.00	11,746	61.80	7,859	38.20	26,962	100.00	20,079	74.47	6,883	25.53
5. Eastern Rice Region	12,961	100.00	7,827	60.39	5,134	39.61	16,403	100.00	9,442	57.56	6,961	42.44
6. Tea Region	16,944	100.00	10,046	59.29	6,898	40.71	23,440	100.00	14,484	61.79	8,956	38.21
7. Miaoli Mixed Farming Region	16,394	100.00	9,050	55.20	7,344	44.80	24,833	100.00	15,703	63.23	9,130	36.77
8. Taichung Mixed Farming Region	16,084	100.00	8,532	53.05	7,552	46.95	23,500	100.00	14,204	60.44	9,296	39.56
9. Alishan Mixed Farming Region	11,216	100.00	6,571	58.59	4,645	41.41	30,548	100.00	19,899	65.14	10,649	34.86
10. Banana & Pine-apple Region	15,761	100.00	10,368	65.78	5,393	34.22	32,463	100.00	24,573	75.70	7,890	24.30
11. Chifanan Mixed Farming Region	12,992	100.00	8,516	65.55	4,476	34.45	23,763	100.00	17,580	73.98	6,183	26.02
12. Western Sugar-cane Region	13,288	100.00	8,106	61.00	5,182	39.00	23,407	100.00	16,571	70.80	6,836	29.20
13. Eastern Sugar-cane Region	12,491	100.00	7,602	60.86	4,889	39.14	21,912	100.00	14,487	66.11	7,425	33.89

Table 37. Average Farm Receipts of 1967 by Sources in Comparison with 1952, 1957 and 1962
(at 1952 price)

Agricultural Region	1952			1957			Unit: NT\$
	Total	Crop	Live-stock	Total	Crop	Live-stock	
			Others			Others	
Average	10,873	8,817	1,967	11,501	8,530	2,613	358
1. Yilan Rice Region	12,702	9,755	2,912	11,924	9,541	2,198	185
2. Taipei Rice Region	14,855	11,812	2,976	13,671	10,591	2,776	304
3. Taichung Rice Region	11,684	9,853	1,802	11,073	8,477	2,124	472
4. Kaohsiung Rice Region	11,282	9,171	2,064	12,092	8,706	2,886	500
5. Eastern Rice Region	13,421	10,715	2,569	7,791	7,132	584	75
6. Tea Region	12,078	8,859	2,835	13,272	9,593	3,443	236
7. Miaoli Mixed Farming Region	10,471	8,442	2,002	12,032	8,582	2,669	781
8. Taichung Mixed Farming Region	8,623	6,705	1,831	11,891	8,602	3,006	283
9. Alishan Mixed Farming Region	10,070	8,032	1,962	8,958	5,941	2,596	421
10. Banana and Pineapple Region	10,388	8,102	1,770	12,587	10,259	2,058	270
11. Chiinan Mixed Farming Region	9,184	7,799	1,346	10,602	7,746	2,486	370
12. Western Sugarcane Region	8,358	6,869	1,472	11,376	7,793	3,355	228
13. Eastern Sugarcane Region	10,306	8,351	1,931	9,400	8,111	975	314

Table 37. Average Farm Receipts of 1967 by Sources in Comparison with 1952, 1957 and 1962
(Continued)

Agricultural Region	1962				1967				Unit: NT\$
	Total	Crop	Live-stock	Others	Total	Crop	Live-stock	Others	
	Average	11,864	9,642	2,006	216	18,539	13,640	3,944	
1. Yilan Rice Region	11,400	8,976	1,932	492	13,739	11,889	1,793	57	
2. Taipei Rice Region	16,665	13,528	2,943	194	19,148	14,668	4,363	117	
3. Taichung Rice Region	15,297	13,246	1,974	77	17,788	14,495	2,854	439	
4. Kaohsiung Rice Region	15,074	13,724	1,264	86	20,599	16,898	3,364	337	
5. Eastern Rice Region	10,531	9,169	1,157	205	13,414	11,213	2,123	78	
6. Tea Region	11,881	9,171	2,393	317	17,266	10,484	4,521	2,261	
7. Miaoli Mixed Farming Region	12,474	10,315	1,980	179	19,505	12,378	2,984	4,143	
8. Taichung Mixed Farming Region	12,557	10,770	1,735	52	18,115	13,370	3,102	1,643	
9. Alishan Mixed Farming Region	8,453	7,014	1,151	288	24,001	15,838	4,724	3,439	
10. Banana and Pineapple Region	12,001	9,787	1,974	240	28,505	19,217	6,763	2,525	
11. Chianan Mixed Farming Region	9,376	7,102	2,068	206	17,931	13,131	4,626	174	
12. Western Sugarcane Region	9,857	7,714	2,045	98	17,074	12,448	3,968	658	
13. Eastern Sugarcane Region	9,298	7,765	1,088	445	18,381	12,297	5,044	1,040	

Table 38. Average Cash and Non-cash Farm Expenditures of 1967 in Comparison with 1952, 1957 and 1962 (at 1952 price)

Agricultural Region	1952				1957							
	Total		Non-cash		Total		Non-cash					
	NT\$	%	NT\$	%	NT\$	%	NT\$	%				
Average	5,139	100.00	2,045	39.80	3,094	60.20	6,059	100.00	3,879	64.00	2,180	36.00
1. Yilan Rice Region	5,701	100.00	1,673	29.30	4,028	70.70	5,917	100.00	2,902	49.00	3,015	51.00
2. Taipei Rice Region	7,099	100.00	2,251	31.70	4,848	68.30	7,336	100.00	4,681	63.80	2,655	36.20
3. Taichung Rice Region	5,912	100.00	2,137	36.10	3,775	63.90	5,902	100.00	3,857	65.30	2,045	34.70
4. Kaohsiung Rice Region	5,430	100.00	2,418	44.50	3,012	55.50	6,515	100.00	3,877	59.50	2,638	40.50
5. Eastern Rice Region	5,719	100.00	1,781	31.10	3,938	68.90	3,021	100.00	2,044	67.70	977	32.30
6. Tea Region	5,041	100.00	2,399	47.60	2,642	52.40	4,931	100.00	3,148	63.80	1,783	36.20
7. Miaoli Mixed Farming Region	4,429	100.00	1,263	28.50	3,166	71.50	5,971	100.00	3,378	56.60	2,593	43.40
8. Taichung Mixed Farming Region	4,099	100.00	1,438	35.10	2,661	64.90	5,212	100.00	3,224	61.90	1,988	38.10
9. Alishan Mixed Farming Region	3,956	100.00	1,407	35.60	2,549	64.40	5,390	100.00	3,970	73.70	1,420	26.30
10. Banana and Pine-apple Region	4,205	100.00	2,080	49.50	2,125	50.50	6,091	100.00	4,206	69.10	1,885	30.90
11. Chiinan Mixed Farming Region	4,429	100.00	2,159	48.70	2,270	51.30	6,202	100.00	4,028	64.90	2,174	35.10
12. Western Sugar-cane Region	4,334	100.00	1,885	43.50	2,449	56.50	6,621	100.00	4,299	64.90	2,322	35.10
13. Eastern Sugar-cane Region	3,615	100.00	1,363	37.70	2,252	62.30	3,996	100.00	2,457	61.50	1,539	38.50

Table 38. Average Cash and Non-cash Farm Expenditures of 1967 in Comparison with 1952, 1957 and 1962 (Continued)

Agricultural Region	1962				1967							
	Total		Cash		Non-cash		Total		Cash		Non-cash	
	NT\$	%	NT\$	%	NT\$	%	NT\$	%	NT\$	%	NT\$	%
Average	6,144	100.00	3,977	64.73	2,167	35.27	10,491	100.00	8,045	76.68	2,446	23.32
1. Yilan Rice Region	6,183	100.00	3,685	59.60	2,498	40.40	7,743	100.00	6,348	81.98	1,395	18.02
2. Taipei Rice Region	7,926	100.00	4,910	61.95	3,016	38.05	11,323	100.00	8,627	76.19	2,696	23.81
3. Taichung Rice Region	8,555	100.00	5,731	66.99	2,824	33.01	10,088	100.00	7,849	77.81	2,239	22.19
4. Kaohsiung Rice Region	7,125	100.00	5,013	70.36	2,112	29.64	11,079	100.00	8,472	76.47	2,607	23.53
5. Eastern Rice Region	4,305	100.00	2,661	61.81	1,644	38.19	5,278	100.00	3,836	72.68	1,442	27.32
6. Tea Region	5,513	100.00	3,197	57.99	2,316	42.01	9,657	100.00	7,006	72.55	2,651	27.45
7. Mfaoli Mixed Farming Region	5,036	100.00	3,112	61.80	1,924	38.20	9,384	100.00	7,396	78.82	1,988	21.18
8. Taichung Mixed Farming Region	6,668	100.00	4,588	68.81	2,080	31.19	9,952	100.00	7,499	75.35	2,453	24.65
9. Alfsban Mixed Farming Region	4,426	100.00	2,772	62.63	1,654	37.37	14,147	100.00	10,309	72.87	3,838	27.13
10. Banana & Pine-apple Region	6,007	100.00	4,349	72.40	1,658	27.60	17,478	100.00	14,186	81.17	3,292	18.83
11. Chianan Mixed Farming Region	6,558	100.00	4,542	69.26	2,016	30.74	10,455	100.00	8,070	77.19	2,385	22.81
12. Western Sugar-cane Region	6,137	100.00	4,187	68.23	1,950	31.77	10,324	100.00	7,961	77.11	2,363	22.89
13. Eastern Sugar-cane Region	4,347	100.00	2,427	55.83	1,920	44.17	8,837	100.00	6,443	72.91	2,394	27.09

Table 39. Average Cash and Non-cash Family Earnings of 1967 in Comparison with 1952, 1957 and 1962
(at 1952 price)

Agricultural Region	1952				1957							
	Total		Cash		Total		Cash					
	NT\$	%	NT\$	%	NT\$	%	NT\$	%				
Average	7,361	100.00	3,458	47.00	3,903	53.00	8,612	100.00	5,312	61.70	3,300	38.30
1. Yilan Rice Region	8,299	100.00	3,207	38.60	5,092	61.40	9,308	100.00	5,866	63.00	3,442	37.00
2. Taipei Rice Region	9,734	100.00	4,273	43.90	5,461	56.10	10,300	100.00	5,614	54.50	4,686	45.50
3. Taichung Rice Region	7,443	100.00	3,649	49.00	3,794	51.00	8,471	100.00	3,248	38.30	5,223	61.70
4. Kaohsiung Rice Region	7,607	100.00	4,073	53.50	3,534	46.50	7,815	100.00	5,147	65.90	2,668	34.10
5. Eastern Rice Region	8,958	100.00	4,850	54.10	4,108	45.90	6,108	100.00	3,085	50.50	3,023	49.50
6. Tea Region	9,213	100.00	4,302	46.70	4,911	53.30	11,336	100.00	6,836	60.30	4,500	39.70
7. Miaoli Mixed Farming Region	7,457	100.00	3,065	41.10	4,392	58.90	11,356	100.00	7,212	63.50	4,144	36.50
8. Taichung Mixed Farming Region	5,997	100.00	2,583	43.10	3,414	56.90	10,050	100.00	6,934	69.00	3,116	31.00
9. Alishan Mixed Farming Region	8,362	100.00	4,818	57.60	3,544	42.40	7,171	100.00	5,076	70.80	2,095	29.20
10. Banana & Pine-apple Region	7,197	100.00	3,248	45.10	3,949	54.90	8,460	100.00	5,786	68.40	2,674	31.60
11. Chiinan Mixed Farming Region	6,118	100.00	2,574	42.10	3,544	57.90	7,676	100.00	5,998	78.10	1,678	21.90
12. Western Sugar-cane Region	5,400	100.00	2,245	41.60	3,155	58.40	7,669	100.00	5,113	66.70	2,556	33.30
13. Eastern Sugar-cane Region	8,616	100.00	5,819	67.50	2,797	32.50	8,252	100.00	6,449	78.20	1,803	21.80

Table 39. Average Cash and Non-cash Family Earnings of 1967 in Comparison with 1952, 1957 and 1962 (Continued)

Agricultural Region	1962				1967							
	Total		Cash		Total		Cash					
	NT\$	%	NT\$	%	NT\$	%	NT\$	%				
Average	9,682	100.00	5,381	55.58	4,301	44.42	13,784	100.00	8,734	63.36	5,050	36.64
1. Yilan Rice Region	8,011	100.00	3,861	48.20	4,150	51.80	11,232	100.00	4,943	44.01	6,289	55.99
2. Taipei Rice Region	13,066	100.00	6,560	50.21	6,506	49.79	13,855	100.00	8,410	60.70	5,445	39.30
3. Taichung Rice Region	11,104	100.00	5,112	46.04	5,992	53.96	13,613	100.00	9,716	64.03	4,897	35.97
4. Kaohsiung Rice Region	12,480	100.00	6,733	53.95	5,747	46.05	15,883	100.00	11,607	73.07	4,276	26.93
5. Eastern Rice Region	8,656	100.00	5,166	59.68	3,490	40.32	11,125	100.00	5,606	50.39	5,519	49.61
6. Tea Region	11,431	100.00	6,849	59.92	4,582	40.08	13,783	100.00	7,478	54.26	6,305	45.74
7. Miaoli Mixed Farming Region	11,358	100.00	5,938	52.28	5,420	47.72	15,449	100.00	8,307	43.77	7,142	46.23
8. Taichung Mixed Farming Region	9,416	100.00	3,944	41.89	5,472	58.11	13,548	100.00	6,705	49.49	6,843	50.51
9. Alishan Mixed Farming Region	6,790	100.00	3,799	55.95	2,991	44.05	16,401	100.00	9,590	58.47	6,811	41.53
10. Banana & Pine-apple Region	9,754	100.00	6,019	61.71	3,735	38.29	14,985	100.00	10,387	69.32	4,598	30.68
11. Chiinan Mixed Farming Region	6,434	100.00	3,974	61.77	2,460	38.23	13,308	100.00	9,510	71.46	3,798	28.54
12. Western Sugar-cane Region	7,151	100.00	3,919	54.80	3,232	45.20	13,083	100.00	8,610	65.81	4,473	34.19
13. Eastern Sugar-cane Region	8,144	100.00	5,175	63.54	2,969	36.45	13,075	100.00	8,044	61.52	5,031	38.48

Appendix II Summary Statistics of 1962 Farm Income Survey

Table 1. Number of Sample Farm Families by Size Groups and by Agricultural Regions, 1962

Agricultural Region	Total	Unit: Household						
		0.49 chia or less	0.50-0.99 chia	1.00-1.49 chia	1.50-1.99 chia	2.00-2.99 chia	3.00 chia and more	
Total	1,947	532	560	374	193	168	120	
1. Yilan Rice Region	44	4	11	8	10	7	4	
2. Taipei Rice Region	179	40	55	35	24	17	8	
3. Taichung Rice Region	156	48	56	32	10	6	4	
4. Kaohsiung Rice Region	110	46	26	14	12	5	7	
5. Eastern Rice Region	68	10	17	24	6	6	5	
6. Tea Region	418	73	131	76	51	43	44	
7. Miaoli Mixed Farming Region	119	24	37	25	12	17	4	
8. Taichung Mixed Farming Region	33	9	15	5	1	1	2	
9. Alishan Mixed Farming Region	184	67	41	33	16	18	9	
10. Banana and Pineapple Region	140	52	38	18	11	11	10	
11. Chianan Mixed Farming Region	240	89	63	44	15	16	13	
12. Western Sugarcane Region	221	65	57	52	23	16	8	
13. Eastern Sugarcane Region	35	5	13	8	2	5	2	

Table 2. Farm and Non-farm Family Receipts by Size Groups, and by Agricultural Regions, 1962
Unit: NT\$

Agricultural Region	Average		0.49 chia or less		0.50-0.99 chia		1.00-1.49 chia					
	Total receipts	Non-farm receipts	Total receipts	Non-farm receipts	Total receipts	Non-farm receipts	Total receipts	Non-farm receipts				
Average	39,407	29,542	9,865	20,725	10,292	10,433	31,708	22,313	9,395	42,900	33,189	9,711
1. Yilan Rice Region	35,343	28,386	6,957	21,571	13,040	8,531	26,108	16,958	9,150	37,355	29,252	8,103
2. Taipei Rice Region	52,271	41,495	10,776	24,019	12,056	11,963	36,256	27,648	8,608	55,959	44,219	11,740
3. Taichung Rice Region	48,951	38,089	10,862	24,885	15,850	9,035	40,877	32,579	8,298	64,381	50,307	14,074
4. Kaohsiung Rice Region	48,817	37,535	11,282	26,358	13,497	12,861	36,921	26,954	9,967	55,088	42,621	12,467
5. Eastern Rice Region	32,272	26,221	6,051	11,699	7,114	4,585	21,059	16,685	4,374	30,059	22,101	7,958
6. Tea Region	42,191	29,585	12,606	22,688	6,958	15,730	34,501	19,590	14,911	42,379	32,685	9,694
7. Miaoli Mixed Farming Region	40,821	31,060	9,761	22,567	11,064	11,503	31,514	22,630	8,884	41,840	31,360	10,480
8. Taichung Mixed Farming Region	40,048	31,268	8,780	20,987	11,608	9,379	29,706	21,716	7,990	60,516	49,918	10,598
9. Alishan Mixed Farming Region	27,928	21,049	6,879	15,852	7,835	8,017	24,757	17,846	6,911	30,515	24,898	5,617
10. Banana and Pine-apple Region	39,246	29,884	9,362	22,154	12,148	10,006	33,605	25,465	8,140	46,802	36,349	10,453
11. Chiinan Mixed Farming Region	32,349	23,346	9,003	17,363	8,876	8,487	26,524	18,950	7,574	41,204	32,487	8,717
12. Western Sugar-cane Region	33,088	24,543	8,545	19,213	9,667	9,546	26,828	21,104	5,724	34,672	25,386	9,286
13. Eastern Sugar-cane Region	31,103	23,152	7,951	11,914	7,015	4,899	18,824	11,837	6,987	24,967	18,889	6,078

Table 2. Farm and Non-farm Family Receipts by Size Groups, and by Agricultural Regions, 1962 (Continued)

Agricultural Region	Unit: NT\$								
	1.50-1.99 chia		2.00-2.99 chia		3.00 chia and more				
	Total receipts	Farm Non-farm receipts	Total receipts	Farm Non-farm receipts	Total receipts	Farm Non-farm receipts			
Average	53,585	44,643	8,942	63,420	53,233	10,187	90,848	79,797	11,051
1. Yilan Rice Region	39,079	34,750	4,329	49,160	41,452	7,708	36,964	34,654	2,310
2. Taipei Rice Region	74,413	61,913	12,500	86,460	76,013	10,447	148,406	137,356	11,050
3. Taichung Rice Region	71,175	59,949	11,226	111,076	86,290	24,786	178,538	157,361	21,177
4. Kaohsiung Rice Region	77,504	73,822	3,682	111,591	95,551	16,040	134,037	120,986	13,051
5. Eastern Rice Region	33,134	29,778	3,356	55,346	52,254	3,092	93,442	81,126	12,316
6. Tea Region	46,696	37,295	9,401	55,298	44,342	10,956	79,085	68,167	10,918
7. Miaoli Mixed Farming Region	55,046	44,291	10,755	71,291	63,655	7,636	57,888	48,913	8,975
8. Taichung Mixed Farming Region	70,994	54,494	16,500	78,469	69,769	8,700	117,540	113,890	3,650
9. Alishan Mixed Farming Region	43,251	37,149	6,102	44,561	38,609	5,952	62,299	56,146	6,153
10. Banana and Pineapple Region	58,445	52,106	6,339	64,510	58,105	6,405	87,054	71,770	15,284
11. Chianan Mixed Farming Region	47,497	36,218	11,279	60,956	46,945	14,011	80,503	68,875	11,628
12. Western Sugarcane Region	46,204	36,246	9,958	58,399	47,895	10,504	91,776	81,070	7,706
13. Eastern Sugarcane Region	50,683	43,093	7,600	38,907	28,319	10,588	144,350	121,250	23,100

Table 3. Cash and Non-cash Farm Family Receipts, by Size Groups, and by Agricultural Regions, 1962
Unit: NT\$

Agricultural Region	Average		0.49 chia or less		0.50-0.99 chia		1.00-1.49 chia					
	Total	Cash	Non-cash	Total	Cash	Non-cash	Total	Cash	Non-cash			
Average	39,407	23,302	16,105	20,725	13,945	6,780	31,708	17,926	13,782	42,900	24,085	18,815
1. Yilan Rice Region	35,343	18,790	16,553	21,571	11,400	10,171	26,108	15,122	10,985	37,355	19,376	17,979
2. Taipei Rice Region	52,271	28,561	23,710	24,019	16,070	7,949	36,256	18,106	18,150	55,959	32,420	23,539
3. Taichung Rice Region	48,951	27,000	21,951	24,885	14,768	10,117	40,877	20,974	19,903	64,381	35,465	28,916
4. Kaohsiung Rice Region	48,817	29,247	19,570	26,358	16,659	9,699	36,921	20,328	16,593	55,088	32,040	23,048
5. Eastern Rice Region	32,272	19,489	12,783	11,699	6,691	5,008	21,059	10,372	10,687	30,039	16,257	13,802
6. Tea Region	42,191	25,015	17,176	22,688	16,811	5,877	34,501	20,702	13,799	42,379	22,522	19,857
7. Miaoli Mixed Farming Region	40,821	22,535	18,286	22,567	14,660	7,907	31,514	17,349	14,165	41,840	21,603	20,237
8. Taichung Mixed Farming Region	40,048	21,244	18,804	20,987	13,283	7,704	29,705	18,679	11,027	60,516	25,137	35,379
9. Allshian Mixed Farming Region	27,928	16,363	11,565	15,852	10,706	5,146	24,757	13,812	10,945	30,515	15,646	14,869
10. Banana and Pine-apple Region	39,246	25,816	13,430	22,154	14,938	7,216	33,605	18,046	15,559	46,802	31,535	15,267
11. Chitanan Mixed Farming Region	32,349	21,205	11,144	17,363	12,217	5,146	26,524	18,451	8,073	41,204	24,055	17,149
12. Western Sugar-cane Region	33,088	20,183	12,905	19,213	13,438	5,775	26,828	14,233	12,595	34,672	21,043	13,629
13. Eastern Sugar-cane Region	31,103	18,928	12,175	11,914	6,877	5,037	18,824	10,611	8,213	24,957	16,330	8,637

Table 3. Cash and Non-cash Fram Family Receipts by Size Groups and by Agricultural Regions, 1962 (Continued)

Unit: NT\$

Agricultural Region	1.50-1.99 chia			2.00-2.99 chia			3.00 chia and more		
	Total	Cash	Non-cash	Total	Cash	Non-cash	Total	Cash	Non-cash
	Average	53,585	31,126	22,459	63,420	36,510	26,910	90,848	56,344
1. Yilan Rice Region	39,079	19,784	19,295	49,160	24,673	24,487	36,964	22,308	14,656
2. Taipei Rice Region	74,413	40,176	34,237	86,460	47,142	39,318	148,406	71,665	76,741
3. Taichung Rice Region	71,175	37,783	33,392	111,076	62,888	48,188	178,538	109,610	68,928
4. Kaohsiung Rice Region	77,504	42,129	35,375	111,591	70,752	40,839	134,037	87,495	46,542
5. Eastern Rice Region	33,134	21,886	11,248	55,346	35,324	20,022	93,442	69,702	23,740
6. Tea Region	46,696	27,522	19,174	55,298	29,150	26,148	79,085	48,831	30,254
7. Miaoli Mixed Farming Region	55,046	34,228	20,818	71,291	35,316	35,975	57,888	34,180	23,708
8. Taichung Mixed Farming Region	70,994	38,611	32,383	78,469	56,484	21,985	117,540	40,273	77,267
9. Alishan Mixed Farming Region	43,251	25,502	17,749	44,561	25,513	19,048	62,299	38,203	24,096
10. Banana and Pineapple Region	58,445	38,071	20,374	64,510	43,680	20,830	87,054	68,495	18,558
11. Chianan Mixed Farming Region	47,497	31,082	16,415	60,956	40,147	20,809	89,503	51,732	28,771
12. Western Sugarcane Region	46,204	27,428	18,776	58,399	37,964	20,435	91,776	55,383	36,393
13. Eastern Sugarcane Region	50,683	26,871	23,812	38,907	23,337	15,570	144,350	94,546	49,804

Table 4. Farm Receipts by Size Groups and by Agricultural Regions, 1962

Unit: NT\$

Agricultural Region	Average			0.49 chia or less			0.50-0.99 chia			1.00-1.49 chia		
	Total	Cash	Non-cash	Total	Cash	Non-cash	Total	Cash	Non-cash	Total	Cash	Non-cash
Average	29,542	15,536	14,006	10,292	5,101	5,191	22,313	10,626	11,687	33,189	16,768	16,421
1. Yilan Rice Region	28,386	13,005	15,380	13,040	3,834	9,206	16,958	6,993	9,965	29,252	12,201	17,051
2. Taipei Rice Region	41,495	20,168	21,327	12,056	6,393	5,663	27,648	11,705	15,943	44,219	22,768	21,451
3. Taichung Rice Region	38,089	17,506	20,583	15,850	6,408	9,442	32,579	13,693	18,885	50,307	23,715	26,592
4. Kaohsiung Rice Region	37,535	19,938	17,597	13,497	5,367	8,130	26,954	11,865	15,089	42,621	22,060	20,561
5. Eastern Rice Region	26,221	15,466	10,755	7,114	2,923	4,191	16,685	7,369	9,316	22,101	11,288	10,813
6. Tea Region	29,585	15,428	14,157	6,958	4,113	2,845	19,590	9,726	9,864	32,685	15,258	17,427
7. Miaoli Mixed Farming Region	31,060	14,552	16,508	11,064	4,358	6,706	22,630	9,367	13,263	31,360	15,367	15,993
8. Taichung Mixed Farming Region	31,268	14,514	16,754	11,608	5,855	5,753	21,716	11,698	10,018	49,918	19,833	30,085
9. Alishan Mixed Farming Region	21,049	11,097	9,952	7,835	3,939	3,896	17,846	8,063	9,783	24,898	11,541	13,357
10. Banana and Pine-apple Region	29,884	18,161	11,723	12,148	6,199	5,949	25,465	12,423	13,042	36,349	22,177	14,172
11. Chianan Mixed Farming Region	23,346	14,084	9,262	8,876	5,114	3,762	18,950	12,521	6,429	32,487	17,560	14,927
12. Western Sugar-cane Region	24,543	13,637	10,906	9,667	5,258	4,409	21,104	10,159	10,945	25,386	14,413	10,973
13. Eastern Sugar-cane Region	23,152	12,924	10,228	7,015	3,617	3,398	11,837	4,851	6,986	18,889	11,652	7,237

Table 4. Farm Receipts by Size Groups and by Agricultural Regions, 1962 (continued)

Unit: NT\$

Agricultural Region	1.50-1.99 chia		2.00-2.99 chia		3.00 chia and more				
	Total	Cash	Non-cash	Total	Cash	Non-cash			
Average	44,643	24,288	20,355	53,233	28,926	24,307	79,797	48,040	31,757
1. Yilan Rice Region	34,750	16,261	18,489	41,452	19,592	21,860	34,654	20,658	13,996
2. Taipei Rice Region	61,913	30,222	31,691	76,013	39,694	36,319	137,356	64,190	73,166
3. Taichung Rice Region	59,949	27,858	32,091	86,290	43,052	43,238	157,361	90,171	67,190
4. Kaohsiung Rice Region	73,822	40,219	33,603	95,551	58,692	36,859	120,986	78,987	41,999
5. Eastern Rice Region	29,778	20,094	9,684	52,254	34,619	17,635	81,126	59,590	21,536
6. Tea Region	37,295	20,311	16,984	44,342	20,819	23,523	68,167	40,543	27,624
7. Miaoli Mixed Farming Region	44,291	24,919	19,372	63,655	28,935	34,720	48,913	26,342	22,571
8. Taichung Mixed Farming Region	54,494	27,611	26,883	69,769	48,984	20,785	113,890	37,523	76,367
9. Alishan Mixed Farming Region	37,149	21,939	15,210	38,609	22,357	16,252	56,146	34,775	21,371
10. Banana & Pineapple Region	52,106	33,539	18,567	58,105	39,155	18,950	71,770	54,922	16,848
11. Chianan Mixed Farming Region	36,218	22,227	13,991	46,945	28,103	18,842	68,875	44,661	24,214
12. Western Sugarcane Region	36,246	19,894	16,352	47,895	30,740	17,155	84,070	49,239	34,831
13. Eastern Sugarcane Region	43,083	22,246	20,837	28,319	15,477	12,842	121,250	78,046	43,204

Table 5. Farm Receipts by Sources and by Agricultural Regions, 1962

Unit: NT\$

Agricultural Region	Grand total			Crops			Livestock and poultry			Others		
	Total	Cash	Non-cash	Total	Cash	Non-cash	Total	Cash	Non-cash	Total	Cash	Non-cash
Average	29,542	15,536	14,006	24,010	11,254	12,756	4,994	3,745	1,249	538	537	1
1. Yilan Rice Region	28,386	13,006	15,380	22,350	8,146	14,204	4,811	3,635	1,176	1,225	1,225	—
2. Taipei Rice Region	41,495	20,168	21,327	33,685	14,334	19,351	7,327	5,351	1,976	483	483	—
3. Taichung Rice Region	38,089	17,506	20,583	32,983	13,937	19,046	4,914	3,377	1,537	192	192	—
4. Kaohsiung Rice Region	37,535	19,938	17,597	34,173	17,545	16,628	3,147	2,178	969	215	215	—
5. Eastern Rice Region	26,221	15,466	10,755	22,830	12,734	10,096	2,880	2,221	659	511	511	—
6. Tea Region	29,585	15,428	14,157	22,837	10,241	12,596	5,958	4,399	1,559	790	788	2
7. Miaoli Mixed Farming Region	31,060	14,552	16,508	25,684	10,445	15,239	4,930	3,651	1,269	446	446	—
8. Taichung Mixed Farming Region	31,268	14,514	16,754	26,817	11,071	15,746	4,321	3,313	1,008	130	130	—
9. Alishan Mixed Farming Region	21,049	11,097	9,952	17,465	8,172	9,293	2,867	2,208	659	717	717	—
10. Banana and Pine-apple Region	29,884	18,161	11,723	24,370	13,698	10,672	4,916	3,865	1,051	598	598	—
11. Chitanan Mixed Farming Region	23,346	14,084	9,262	17,684	9,691	7,993	5,148	3,879	1,269	514	514	—
12. Western Sugar-cane Region	24,543	13,637	10,906	19,207	9,208	9,999	5,091	4,190	901	245	239	6
13. Eastern Sugar-cane Region	23,152	12,924	10,228	19,336	9,881	9,455	2,709	1,936	773	1,107	1,107	—

Table 6. Farm Receipts by Sources and by Size Groups, 1962

Unit: NT\$

	Total	Crops	Livestock and poultry	Others
Average	29,542	24,010	4,994	538
	%	81.3	16.9	1.8
0.49 chia or less	10,292	6,898	3,007	387
	%	67.0	29.2	3.8
0.50-0.99 chia	22,313	17,538	4,223	552
	%	78.6	18.9	2.5
1.00-1.49 chia	33,189	27,161	5,424	604
	%	81.8	16.4	1.8
1.50-1.99 chia	44,643	38,073	6,153	417
	%	85.3	13.8	0.9
2.00-2.99 chia	53,233	44,827	7,787	619
	%	84.2	14.6	1.2
3.00 chia and more	79,797	68,500	10,273	1,024
	%	85.8	12.9	1.3

Table 7. Non-farm Receipts by Size Groups and by Agricultural Regions, 1962

Unit: NT\$

Agricultural Region	Average			0.49 chia or less			0.50-0.99 chia			1.00-1.49 chia		
	Total	Cash	Non-cash	Total	Cash	Non-cash	Total	Cash	Non-cash	Total	Cash	Non-cash
Average	9,865	7,766	2,099	10,433	8,844	1,589	9,395	7,300	2,095	9,711	7,317	2,394
1. Yilan Rice Region	6,957	5,784	1,173	8,531	7,566	965	9,150	8,129	1,021	8,103	7,175	928
2. Taipei Rice Region	10,776	8,393	2,383	11,963	9,677	2,286	8,608	6,401	2,207	11,740	9,652	2,088
3. Taichung Rice Region	10,862	9,494	1,368	9,035	8,360	675	8,298	7,281	1,017	14,074	11,750	2,324
4. Kaohsiung Rice Region	11,282	9,309	1,973	12,861	11,292	1,569	9,967	8,463	1,504	12,467	9,980	2,487
5. Eastern Rice Region	6,051	4,023	2,028	4,585	3,768	817	4,374	3,003	1,371	7,958	4,969	2,989
6. Tea Region	12,606	9,587	3,019	15,730	12,698	3,032	14,911	10,976	3,935	9,694	7,264	2,430
7. Miaoli Mixed Farming Region	9,761	7,983	1,778	11,503	10,302	1,201	8,884	7,982	902	10,480	6,236	4,244
8. Taichung Mixed Farming Region	8,780	6,730	2,050	9,379	7,428	1,951	7,990	6,981	1,009	10,598	5,304	5,294
9. Alishan Mixed Farming Region	6,879	5,266	1,613	8,017	6,767	1,250	6,911	5,749	1,162	5,617	4,105	1,512
10. Banana & Pine-apple Region	9,362	7,655	1,707	10,006	8,739	1,267	8,140	5,623	2,517	10,453	9,358	1,095
11. Chiinan Mixed Farming Region	9,003	7,121	1,882	8,487	7,103	1,384	7,574	5,930	1,644	8,717	6,495	2,222
12. Western Sugar-cane Region	8,545	6,546	1,999	9,546	8,180	1,366	5,724	4,074	1,650	9,286	6,630	2,656
13. Eastern Sugar-cane Region	7,951	6,004	1,947	4,899	3,260	1,639	6,987	5,760	1,227	6,078	4,678	1,400

Table 7. Non-farm Receipts by Size Groups and by Agricultural Regions, 1962

(Continued)

Agricultural Region	Unit: NT\$								
	1.50-1.99 chia		2.00-2.99 chia		3.00 chia and more				
	Total	Cash	Non-cash	Total	Cash	Non-cash			
Average	8,942	6,838	2,104	10,187	7,584	2,603	11,051	8,304	2,747
1. Yilan Rice Region	4,329	3,523	806	7,708	5,081	2,627	2,310	1,650	660
2. Taipei Rice Region	12,500	9,954	2,546	10,447	7,448	2,999	11,050	7,475	3,575
3. Taichung Rice Region	11,226	9,925	1,301	24,786	19,836	4,950	21,177	19,439	1,738
4. Kaohsiung Rice Region	3,682	1,910	1,772	16,040	12,060	3,980	13,051	8,508	4,543
5. Eastern Rice Region	3,356	1,792	1,564	3,092	705	2,387	12,316	10,112	2,204
6. Tea Region	9,401	7,211	2,190	10,956	8,331	2,625	10,918	8,288	2,630
7. Miaoli Mixed Farming Region	10,755	9,309	1,446	7,636	6,381	1,255	8,975	7,838	1,137
8. Taichung Mixed Farming Region	16,500	11,000	5,500	8,700	7,500	1,200	3,650	2,750	900
9. Alishan Mixed Farming Region	6,102	3,563	2,539	5,952	3,156	2,796	6,153	3,428	2,725
10. Banana and Pineapple Region	6,339	4,532	1,807	6,405	4,525	1,880	15,284	13,574	1,710
11. Chianan Mixed Farming Region	11,279	8,855	2,424	14,011	12,044	1,967	11,628	7,071	4,557
12. Western Sugarcane Region	9,958	7,534	2,424	10,504	7,224	3,280	7,706	6,144	1,562
13. Eastern Sugarcane Region	7,600	4,625	2,975	10,588	7,860	2,728	23,100	16,500	6,600

Table 8. Non-farm Receipts by Sources and by Agricultural Regions, 1962

Unit: NT\$

Agricultural Region	Total	Land rent	House rent		Labor wages	Income ^{1/} from business operation	Salary	Others ^{2/}	
			Lease	Family use					Total
Average	9,865	118	112	1,624	1,736	3,415	1,486	1,331	1,779
1. Yilan Rice Region	6,957	49	166	806	972	2,578	—	1,436	1,922
2. Taipei Rice Region	10,776	203	117	2,125	2,242	3,902	1,671	813	1,945
3. Taichung Rice Region	10,862	90	177	1,114	1,291	3,507	2,445	1,289	2,240
4. Kaohsiung Rice Region	11,282	161	73	1,977	2,050	3,973	1,131	2,633	1,334
5. Eastern Rice Region	6,051	28	—	1,316	1,316	1,820	994	141	1,752
6. Tea Region	12,606	94	319	1,884	2,203	5,125	1,630	1,710	1,844
7. Miaoli Mixed Farming Region	9,761	652	53	1,096	1,149	2,555	2,575	1,487	1,343
8. Taichung Mixed Farming Region	8,780	186	—	1,424	1,424	4,136	1,830	691	513
9. Alishan Mixed Farming Region	6,879	92	4	1,463	1,467	2,829	676	584	1,231
10. Banana and Pineapple Region	9,362	67	28	1,331	1,359	3,328	1,985	1,213	1,410
11. Chianan Mixed Farming Region	9,003	1	19	1,731	1,750	2,538	1,189	947	2,578
12. Western Sugarcane Region	8,545	31	23	1,705	1,729	2,004	1,182	1,792	1,807
13. Eastern Sugarcane Region	7,951	34	29	1,493	1,522	3,537	257	1,914	687

Notes: ^{1/} Income from business operation includes income from side-line business and investment.

^{2/} Others include interest, subsidy, gift, and property income.

Table 9. Non-farm Receipts by Sources and by Size Groups, 1962

Unit: NT\$

Agricultural Region	Total	Land rent		House rent		Labor wages	Income ^{1/} from business operation	Salary	Others ^{2/}
		Lease	Family use	Total	Total				
Average	Cash	27	82	—	82	3,352	1,367	1,284	1,654
	Non-cash	91	30	1,624	1,654	63	119	47	125
	Total	118	112	1,624	1,736	3,415	1,486	1,331	1,779
0.49 chia or less	Cash	34	80	—	80	4,540	1,129	1,259	1,802
	Non-cash	87	1	1,342	1,343	32	37	34	56
	Total	121	81	1,342	1,423	4,572	1,166	1,293	1,858
0.50-0.99 chia	Cash	0	65	—	65	3,395	1,422	1,179	1,239
	Non-cash	24	90	1,382	1,472	113	360	20	106
	Total	24	155	1,382	1,537	3,508	1,782	1,199	1,345
1.00-1.49 chia	Cash	2	118	—	118	2,892	1,674	1,080	1,551
	Non-cash	211	—	1,759	1,759	99	4	45	276
	Total	213	118	1,759	1,877	2,991	1,678	1,125	1,827
1.50-1.99 chia	Cash	—	19	—	19	2,257	1,347	1,156	2,059
	Non-cash	89	—	1,876	1,876	0	37	59	43
	Total	89	19	1,876	1,895	2,257	1,384	1,215	2,102
2.00-2.99 chia	Cash	93	26	—	26	2,590	1,071	1,715	2,089
	Non-cash	106	48	2,218	2,266	6	2	169	54
	Total	199	74	2,218	2,292	2,596	1,073	1,884	2,143
3.00 chia and more	Cash	147	240	—	240	2,143	1,670	2,130	1,974
	Non-cash	41	—	2,346	2,346	30	13	35	282
	Total	188	240	2,346	2,586	2,173	1,683	2,165	2,256

Notes: ^{1/} Income from business operation includes income from side-line business and investment.

^{2/} Others include interest, subsidy, gift, and property income.

Table 10. Farm Family Expenditures by Size Groups and by Agricultural Regions, 1962

Unit: NT\$

Agricultural Region	Average			0.49 chia or less			0.50-0.99 chia			1.00-1.49 chia		
	Total	Farm ex- pend- itures	Family living ex- pend- itures	Total	Farm ex- pend- itures	Family living ex- pend- itures	Total	Farm ex- pend- itures	Family living ex- pend- itures	Total	Farm ex- pend- itures	Family living ex- pend- itures
Average	35,996	15,299	20,697	21,632	6,645	14,987	30,143	11,946	18,197	39,732	17,666	22,066
1. Yilan Rice Region	31,562	15,396	16,166	23,481	6,279	17,202	22,407	10,631	11,776	32,949	16,795	16,154
2. Taipei Rice Region	45,351	19,736	25,615	25,575	6,796	18,779	33,423	14,025	19,398	50,578	21,999	28,579
3. Taichung Rice Region	44,397	21,303	23,094	25,866	10,827	15,039	39,873	19,172	20,701	60,647	28,765	31,882
4. Kaohsiung Rice Region	41,433	17,741	23,692	24,369	6,445	17,924	34,320	14,180	20,140	50,265	22,228	28,037
5. Eastern Rice Region	26,724	10,718	16,006	13,170	2,718	10,452	17,588	4,649	12,939	25,646	8,748	16,898
6. Tea Region	37,944	13,727	24,217	25,051	5,670	19,381	30,701	9,372	21,329	37,704	14,418	23,286
7. Miaoli Mixed Farming Region	35,119	12,538	22,581	26,079	5,448	20,631	29,361	10,337	19,024	39,256	13,691	25,565
8. Taichung Mixed Farming Region	39,680	16,604	23,076	18,837	7,111	11,726	34,460	15,421	19,039	68,947	26,615	42,332
9. Alishan Mixed Farming Region	27,718	11,020	16,698	17,061	4,289	12,772	26,307	9,727	16,580	30,347	13,068	17,279
10. Banana and Pine-apple Region	37,333	14,957	22,376	24,790	8,934	15,856	33,323	12,639	20,684	39,947	18,226	21,721
11. Chianan Mixed Farming Region	31,352	16,330	15,022	17,481	6,564	10,917	26,860	13,232	13,628	38,979	22,369	16,610
12. Western Sugar-cane Region	31,980	15,280	16,700	18,925	6,667	12,258	26,201	11,542	14,659	33,108	16,898	16,210
13. Eastern Sugar-cane Region	28,865	10,825	18,040	10,950	3,348	7,602	16,589	5,229	11,360	27,186	8,479	18,707

Table 10. Farm Family Expenditures by Size Groups and by Agricultural Regions, 1962
(Continued)

Unit: NT\$

Agricultural Region	1.50-1.99 chia		2.00-2.99 chia		3.0 chia and more				
	Total Farm expen- ditures	Family living expen- ditures	Total Farm expen- ditures	Family living expen- ditures	Total Farm expen- ditures	Family living expen- ditures			
Average	45,055	20,954	24,101	55,763	26,169	29,594	73,113	37,634	35,479
1. Yilan Rice Region	35,978	19,789	16,189	45,306	22,362	22,944	26,949	11,643	15,306
2. Taipei Rice Region	61,228	29,452	31,776	68,711	36,246	32,465	106,097	49,563	56,534
3. Taichung Rice Region	57,171	30,541	26,630	91,093	47,148	43,945	98,221	55,387	42,834
4. Kaohsiung Rice Region	58,711	29,110	29,601	83,474	41,256	42,218	102,674	59,941	42,733
5. Eastern Rice Region	31,609	13,302	18,307	39,895	20,447	19,448	68,413	42,045	26,368
6. Tea Region	37,418	13,994	23,424	52,885	19,734	33,151	67,326	32,691	34,635
7. Miaoli Mixed Farming Region	40,359	19,426	20,933	45,943	18,876	27,067	55,053	20,649	34,404
8. Taichung Mixed Farming Region	51,955	20,511	31,444	92,703	33,967	58,736	66,820	32,545	34,275
9. Alishan Mixed Farming Region	40,792	18,348	22,444	40,832	18,679	22,153	54,385	31,174	23,211
10. Banana and Pineapple Region	53,053	22,684	30,369	56,774	25,265	31,509	74,417	29,379	45,038
11. Chianan Mixed Farming Region	41,793	22,592	19,201	63,101	38,674	24,427	71,154	43,042	28,112
12. Western Sugarcane Region	43,527	22,795	20,732	61,208	31,443	29,765	80,231	47,437	32,794
13. Eastern Sugarcane Region	45,985	15,792	30,193	36,757	14,507	22,250	123,324	61,121	62,203

Table 11. Cash and Non-cash Farm Family Expenditures by Size Groups, and by Agricultural Regions, 1962 Unit: NT\$

Agricultural Region	Average			0.49 chia or less			0.50-0.99 chia			1.00-1.49 chia		
	Total	Cash	Non-cash	Total	Cash	Non-cash	Total	Cash	Non-cash	Total	Cash	Non-cash
Average	35,996	22,839	13,157	21,632	15,154	6,478	30,143	19,233	10,910	39,732	23,884	15,848
1. Yilan Rice Region	31,562	18,982	12,580	23,481	15,624	7,857	22,407	12,855	9,552	32,949	18,860	14,089
2. Taipei Rice Region	45,351	26,651	18,700	25,575	18,577	6,998	33,423	20,849	12,574	50,578	25,513	25,065
3. Taichung Rice Region	44,397	27,411	16,986	25,866	17,239	8,627	39,873	23,931	15,942	60,647	36,028	24,619
4. Kaohsiung Rice Region	41,433	28,112	13,321	24,369	17,603	6,766	34,320	21,770	12,550	50,265	33,191	17,074
5. Eastern Rice Region	26,724	15,899	10,825	13,170	8,632	4,538	17,588	8,809	8,779	25,646	14,533	11,113
6. Tea Region	37,944	22,520	15,424	25,051	17,148	7,903	30,701	19,484	11,217	37,704	21,183	16,521
7. Miaoli Mixed Farming Region	35,119	20,507	14,612	26,079	14,209	11,870	29,361	17,643	11,718	39,256	22,819	16,437
8. Taichung Mixed Farming Region	39,680	28,017	11,663	18,837	13,711	5,126	34,460	24,696	9,764	68,947	46,591	22,356
9. Alishan Mixed Farming Region	27,718	17,406	10,312	17,061	12,041	5,020	26,307	16,160	10,147	30,347	17,532	12,815
10. Banana and Pine-apple Region	37,333	25,715	11,618	24,790	17,808	6,982	33,323	20,492	12,831	39,947	26,969	12,978
11. Chianan Mixed Farming Region	31,352	22,037	9,315	17,481	12,708	4,773	26,860	19,458	7,402	38,979	25,407	13,572
12. Western Sugar-cane Region	31,980	22,273	9,707	18,925	14,111	4,814	26,201	18,493	7,708	33,108	22,620	10,488
13. Eastern Sugar-cane Region	28,865	17,740	11,125	10,950	7,101	3,849	16,589	9,970	6,619	27,186	18,911	8,275

Table 11. Cash and Non-cash Farm Family Expenditures by Size Groups, and by Agricultural Regions, 1962 (Continued)

Unit: NT\$

Agricultural Region	1.50-1.99 chia		2.00-2.99 chia		3.00 chia and more				
	Total	Cash	Non-cash	Total	Cash	Non-cash			
Average	45,055	27,808	17,247	55,763	34,287	21,476	73,113	46,467	26,646
1. Yilan Rice Region	35,978	21,830	14,148	45,306	26,922	18,384	26,949	18,418	8,531
2. Taipei Rice Region	61,228	34,754	26,474	68,711	38,913	29,798	106,097	61,525	44,572
3. Taichung Rice Region	57,171	36,891	20,280	91,093	59,284	31,809	98,221	57,748	40,473
4. Kaohsiung Rice Region	58,711	38,033	20,678	83,474	56,434	27,040	102,674	73,331	29,343
5. Eastern Rice Region	31,609	17,707	13,902	39,895	23,543	16,352	68,413	49,746	18,667
6. Tea Region	37,418	22,364	15,054	52,885	27,354	25,531	67,326	38,241	29,085
7. Miaoli Mixed Farming Region	40,359	23,785	16,574	45,943	26,287	19,656	55,053	35,948	19,105
8. Taichung Mixed Farming Region	51,955	38,569	13,386	92,703	76,300	16,403	66,820	41,459	25,361
9. Alishan Mixed Farming Region	40,792	24,761	16,031	40,832	24,503	16,329	54,385	35,295	19,090
10. Banana and Pineapple Region	53,053	35,737	17,316	56,774	40,474	16,300	74,417	57,167	17,250
11. Chianan Mixed Farming Region	41,793	28,722	13,071	63,101	46,578	16,523	71,154	49,081	22,073
12. Western Sugarcane Region	43,527	27,947	15,580	61,208	43,442	17,766	80,231	54,588	25,643
13. Eastern Sugarcane Region	45,985	27,833	18,152	36,757	21,025	15,732	123,324	71,840	51,484

Table 12. Cash and Non-cash Farm Expenditures by Size Groups and by Agricultural Regions, 1962
Unit: NT\$

Agricultural Region	Average		0.49 chia or less		0.50-0.99 chia		1.00-1.49 chia	
	Total	Cash	Total	Cash	Total	Cash	Total	Cash
Average	15,299	9,904	6,645	4,572	11,946	7,685	17,666	10,996
1. Yilan Rice Region	15,396	9,177	6,279	3,893	10,631	6,090	16,795	9,405
2. Taipei Rice Region	19,736	12,225	6,795	5,257	14,025	8,711	21,999	12,658
3. Taichung Rice Region	21,303	14,271	10,827	7,415	19,172	12,149	28,765	19,218
4. Kaohsiung Rice Region	17,741	12,482	6,445	4,397	14,180	10,136	22,228	16,270
5. Eastern Rice Region	10,718	6,625	2,718	1,383	4,649	2,593	8,748	4,684
6. Tea Region	13,727	7,961	5,670	3,777	9,372	5,603	14,418	8,037
7. Miaoli Mixed Farming Region	12,538	7,748	5,448	3,532	10,337	6,305	13,691	8,373
8. Taichung Mixed Farming Region	16,604	11,424	7,111	5,519	15,421	9,944	26,615	17,721
9. Alishan Mixed Farming Region	11,020	6,903	4,289	2,789	9,727	5,787	13,068	7,815
10. Banana & Pine-apple Region	14,957	10,829	8,934	6,510	12,639	8,369	18,226	12,875
11. Chianan Mixed Farming Region	16,330	11,311	6,564	4,300	13,232	9,545	22,369	13,804
12. Western Sugar-cane Region	15,280	10,425	6,667	4,675	11,542	8,019	16,898	11,455
13. Eastern Sugar-cane Region	10,825	6,043	3,348	2,481	5,229	3,031	8,479	4,701

Table 12. Cash and Non-cash Farm Expenditures by Size Groups and by Agricultural Regions, 1962 (Continued)

Unit: NT\$

Agricultural Region	1.50-1.99 chia		2.00-2.99 chia		3.00 chia and more				
	Total	Non-cash	Total	Non-cash	Total	Non-cash			
Average	20,954	13,455	7,499	26,169	17,031	9,138	37,634	24,818	12,816
1. Yilan Rice Region	19,789	12,438	7,351	22,362	12,857	9,505	11,643	7,904	3,739
2. Taipei Rice Region	29,452	17,397	12,055	36,246	22,411	13,835	49,563	32,165	17,398
3. Taichung Rice Region	30,541	22,250	8,291	47,148	34,674	12,474	55,387	36,100	19,287
4. Kaohsiung Rice Region	29,110	18,960	10,150	41,256	28,585	12,671	59,941	44,145	15,796
5. Eastern Rice Region	13,302	7,944	5,358	20,447	12,877	7,570	42,045	31,052	10,993
6. Tea Region	13,994	8,138	5,856	19,734	10,936	8,798	32,691	18,679	14,012
7. Miaoli Mixed Farming Region	19,426	12,691	6,735	18,876	10,967	7,909	20,649	13,965	6,684
8. Taichung Mixed Farming Region	20,511	16,004	4,507	33,967	23,786	10,181	32,545	24,896	7,649
9. Alishan Mixed Farming Region	18,348	11,756	6,592	18,679	11,850	6,829	31,174	20,742	10,432
10. Banana & Pineapple Region	22,684	16,442	6,242	25,265	19,049	6,216	29,379	23,745	5,634
11. Chianan Mixed Farming Region	22,592	16,424	6,168	38,674	29,808	8,856	43,042	30,757	12,285
12. Western Sugarcane Region	22,795	14,696	8,099	31,443	21,278	10,165	47,437	33,595	13,842
13. Eastern Sugarcane Region	15,792	10,263	5,529	14,507	8,252	6,255	61,121	30,150	30,971

Table 13. Cash and Non-cash Farm Expenditures by Cost Items, and by Agricultural Regions, 1962

Unit: NT\$

Agricultural Region	Total		Hired labor		Fertilizer				
	Total	Non-cash	Total	Non-cash	Total	Non-cash			
	Cash	Cash	Cash	Cash	Cash	Cash			
Average	15,299	9,904	5,395	1,731	1,610	121	4,712	3,684	1,028
1. Yilan Rice Region	15,396	9,177	6,219	1,365	952	413	2,892	2,853	39
2. Taipei Rice Region	19,736	12,225	7,511	2,565	2,332	233	5,817	4,472	1,345
3. Taichung Rice Region	21,303	14,271	7,032	2,491	1,986	505	8,192	6,681	1,511
4. Kaohsiung Rice Region	17,741	12,482	5,259	2,540	2,529	11	6,547	5,543	1,004
5. Eastern Rice Region	10,718	6,625	4,093	634	634	—	3,340	2,717	623
6. Tea Region	13,727	7,961	5,766	1,542	1,384	158	3,240	2,532	708
7. Miaoli Mixed Farming Region	12,538	7,748	4,790	1,195	1,083	112	4,064	3,115	949
8. Taichung Mixed Farming Region	16,604	11,424	5,180	1,683	1,683	—	4,894	3,868	1,026
9. Alishan Mixed Farming Region	11,020	6,903	4,117	1,333	1,298	35	3,033	2,339	694
10. Banana & Pineapple Region	14,957	10,829	4,128	2,194	2,185	9	4,472	3,794	678
11. Chianan Mixed Farming Region	16,330	11,311	5,019	1,619	1,616	3	5,671	3,868	1,803
12. Western Sugarcane Region	15,280	10,425	4,855	1,480	1,457	23	5,076	3,995	1,081
13. Eastern Sugarcane Region	10,825	6,043	4,782	821	759	62	3,246	2,319	927

Table 13. Cash and Non-cash Farm Expenditures by Cost Items, and by Agricultural Regions, 1962 (Continued)

Unit: NT\$

Agricultural Region	Seeds & seedlings		Feeds		Implementments		
	Total	Non-cash	Total	Non-cash	Total	Non-cash	
Average	863	324	539	1,218	1,291	189	1
1. Yilan Rice Region	716	148	568	414	1,295	154	—
2. Taipei Rice Region	1,217	307	910	1,535	1,497	264	9
3. Taichung Rice Region	790	210	580	1,587	913	285	—
4. Kaohsiung Rice Region	1,170	351	819	1,665	684	132	—
5. Eastern Rice Region	661	118	543	1,263	902	45	—
6. Tea Region	675	142	533	2,330	1,172	215	—
7. Miaoli Mixed Farming Region	679	148	531	1,964	1,366	175	—
8. Taichung Mixed Farming Region	1,061	673	388	2,887	1,329	242	—
9. Alishan Mixed Farming Region	807	197	610	1,958	1,239	106	—
10. Banana & Pineapple Region	861	504	357	2,230	1,076	203	—
11. Chianan Mixed Farming Region	1,054	752	302	3,668	1,823	152	—
12. Western Sugarcane Region	812	382	430	3,202	1,668	180	—
13. Eastern Sugarcane Region	1,001	512	489	1,282	815	272	—

Table 13. Cash and Non-cash Farm Expenditures by Cost Items, and by Agricultural Regions, 1962 (Continued)

Unit: NT\$

Agricultural Region	Rent		Irrigation expenses		Tax	
	Total	Non-cash	Total	Non-cash	Total	Non-cash
	Cash	Cash	Cash	Cash	Cash	Cash
Average	141	22	371	368	1,744	487
1. Yilan Rice Region	59	—	210	210	2,712	304
2. Taipei Rice Region	352	200	363	363	3,100	577
3. Taichung Rice Region	41	—	600	600	2,964	544
4. Kaohsiung Rice Region	212	—	702	678	2,251	697
5. Eastern Rice Region	8	—	291	291	1,209	260
6. Tea Region	137	7	104	104	1,637	340
7. Miaoli Mixed Farming Region	79	—	226	205	1,390	430
8. Taichung Mixed Farming Region	121	—	640	640	2,091	381
9. Allishan Mixed Farming Region	149	—	271	271	1,055	320
10. Banana & Pineapple Region	174	—	272	272	1,601	553
11. Chitanan Mixed Farming Region	127	—	679	679	1,027	683
12. Western Sugarcane Region	101	18	448	448	1,388	625
13. Eastern Sugarcane Region	94	—	420	420	1,158	270

Table 13. Cash and Non-cash Farm Expenditures by Cost Items, and by Agricultural Regions, 1962 (Continued)

Unit: NT\$

Agricultural Region	Interest		Pest & disease control		Livestock expenses		Veterinary expenses					
	Total	Cash	Non-cash	Total	Cash	Non-cash	Total	Cash	Non-cash			
Average	159	159	—	476	476	—	590	590	—	38	38	—
1. Yilan Rice Region	161	161	—	464	464	—	690	690	—	11	11	—
2. Taipei Rice Region	175	175	—	566	566	—	756	756	—	57	57	—
3. Taichung Rice Region	246	246	—	908	908	—	565	565	—	38	38	—
4. Kaohsiung Rice Region	95	95	—	468	468	—	274	274	—	7	7	—
5. Eastern Rice Region	45	45	—	269	269	—	411	411	—	1	1	—
6. Tea Region	92	92	—	363	363	—	721	721	—	18	18	—
7. Miaoli Mixed Farming Region	105	105	—	510	510	—	667	667	—	23	23	—
8. Taichung Mixed Farming Region	139	139	—	1,107	1,107	—	489	489	—	46	46	—
9. Alishan Mixed Farming Region	207	207	—	368	368	—	394	394	—	29	29	—
10. Banana & Pine-apple Region	189	189	—	634	634	—	520	520	—	31	31	—
11. Chianan Mixed Farming Region	231	231	—	475	475	—	584	584	—	82	82	—
12. Western Sugarcane Region	193	193	—	292	292	—	672	672	—	74	74	—
13. Eastern Sugarcane Region	29	29	—	297	297	—	162	162	—	17	17	—

**Table 13. Cash and Non-cash Farm Expenditures by Cost Items, and
by Agricultural Regions, 1962 (Continued)**

Unit: NT\$

Agricultural Region	Materials			House maintenance			Depreciation			Others		
	Sub-Total	Cash	Non-cash	Sub-Total	Cash	Non-cash	Sub-Total	Cash	Non-cash	Sub-Total	Cash	Non-total
Average	38	38	—	401	401	—	1,097	—	1,097	239	203	36
1. Yilan Rice Region	7	7	—	2,704	2,704	—	1,496	—	1,496	46	46	—
2. Taipei Rice Region	32	32	—	478	478	—	794	—	794	159	159	—
3. Taichung Rice Region	79	79	—	334	334	—	951	—	951	319	167	152
4. Kaohsiung Rice Region	34	34	—	356	356	—	1,163	—	1,163	125	125	—
5. Eastern Rice Region	8	8	—	195	195	—	1,076	—	1,076	1,262	1,262	—
6. Tea Region	61	61	—	592	592	—	1,887	—	1,887	113	109	4
7. Miaoli Mixed Farming Region	22	22	—	454	454	—	851	—	851	134	134	—
8. Taichung Mixed Farming Region	75	75	—	265	265	—	727	—	727	137	137	—
9. Alishan Mixed Farming Region	45	45	—	178	178	—	701	—	701	386	283	103
10. Banana & Pineapple Region	83	83	—	282	282	—	960	—	960	251	251	—
11. Chianan Mixed Farming Region	3	3	—	170	170	—	635	—	635	153	44	109
12. Western Sugarcane Region	—	—	—	168	168	—	872	—	872	322	322	—
13. Eastern Sugarcane Region	29	29	—	293	293	—	1,601	—	1,601	103	103	—

Table 14. Cash and Non-cash Farm Family Living Expenditures by Size Groups and by Agricultural Regions, 1962

Unit: NT\$

Agricultural Region	Average			0.49 chia or lees			0.50-0.99 chia			1.00-1.49 chia		
	Total	Cash	Non-cash	Total	Cash	Non-cash	Total	Cash	Non-cash	Total	Cash	Non-cash
Average	20,697	12,935	7,762	14,987	10,582	4,405	18,197	11,548	6,649	22,066	12,888	9,178
1. Yilan Rice Region	16,166	9,805	6,361	17,202	11,731	5,471	11,776	6,765	5,011	16,154	9,455	6,699
2. Taipei Rice Region	25,615	14,426	11,189	18,779	13,320	5,459	19,398	12,138	7,260	28,579	12,855	15,724
3. Taichung Rice Region	23,094	13,140	9,954	15,039	9,824	5,215	20,701	11,782	8,919	31,882	16,810	15,072
4. Kaohsiung Rice Region	23,692	15,630	8,062	17,924	13,206	4,718	20,140	11,634	8,506	28,037	16,921	11,116
5. Eastern Rice Region	16,006	9,274	6,732	10,452	7,249	3,203	12,939	6,216	6,723	16,898	9,849	7,049
6. Tea Region	24,217	14,559	9,658	19,381	13,371	6,010	21,329	13,881	7,448	23,286	13,146	10,140
7. Miaoli Mixed Farming Region	22,581	12,759	9,822	20,631	10,677	9,954	19,024	11,337	7,687	25,565	14,446	11,119
8. Taichung Mixed Farming Region	23,076	16,593	6,483	11,726	8,192	3,534	19,039	14,752	4,287	42,332	28,870	13,462
9. Alishan Mixed Farming Region	16,698	10,503	6,195	12,772	9,252	3,520	16,580	10,373	6,207	17,279	9,717	7,562
10. Banana and Pine-apple Region	22,376	14,886	7,490	15,856	11,298	4,558	20,684	12,123	8,561	21,721	14,094	7,627
11. Chianan Mixed Farming Region	15,022	10,726	4,296	10,917	8,408	2,509	13,628	9,913	3,715	16,610	11,603	5,007
12. Western Sugar-cane Region	16,700	11,848	4,852	12,258	9,436	2,822	14,659	10,474	4,185	16,210	11,165	5,045
13. Eastern Sugar-cane Region	18,040	11,697	6,343	7,602	4,620	2,982	11,360	6,939	4,421	18,707	14,210	4,497

Table 14. Cash and Non-cash Farm Family Living Expenditures by Size Groups and by Agricultural Region, 1962 (Continued)

Unit: NT\$

Agricultural Region	1.50-1.99 chia		2.00-2.99 chia		3.00 chia and more				
	Total	Non-cash	Total	Non-cash	Total	Non-cash			
	Cash	Cash	Cash	Cash	Cash	Cash			
Average	24,101	14,353	9,748	29,594	17,256	12,338	35,479	21,649	13,830
1. Yilan Rice Region	16,189	9,392	6,797	22,944	14,065	8,879	15,306	10,514	4,792
2. Taipei Rice Region	31,776	17,357	14,419	32,465	16,502	15,963	56,534	29,360	27,174
3. Taichung Rice Region	26,630	14,641	11,989	43,945	24,610	19,335	42,834	21,648	21,186
4. Kaohsiung Rice Region	29,601	19,073	10,528	42,218	27,849	14,369	42,733	29,186	13,547
5. Eastern Rice Region	18,307	9,763	8,544	19,448	10,666	8,782	26,368	18,694	7,674
6. Tea Region	23,424	14,226	9,198	33,151	16,418	16,733	34,635	19,562	15,073
7. Miaoli Mixed Farming Region	20,933	11,094	9,839	27,067	15,320	11,747	34,404	21,983	12,421
8. Taichung Mixed Farming Region	31,444	22,565	8,879	58,736	52,514	6,222	34,275	16,563	17,712
9. Alishan Mixed Farming Region	22,444	13,005	9,439	22,153	12,653	9,500	23,211	14,553	8,658
10. Banana & Pineapple Region	30,369	19,295	11,074	31,509	21,425	10,084	45,038	33,422	11,616
11. Chianan Mixed Farming Region	19,201	12,298	6,903	24,427	16,770	7,657	28,112	18,324	9,788
12. Western Sugarcane Region	20,732	13,251	7,481	29,765	22,164	7,601	32,794	20,993	11,801
13. Eastern Sugarcane Region	30,193	17,570	12,623	22,250	12,773	9,477	62,203	41,690	20,513

Table 15. Cash and Non-cash Farm Family Living Expenditures by Cost Items, and by Agricultural Regions, 1962 Unit: NT\$

Agricultural Region	Grand total		Staple food		Auxiliary food		Wine, tobacco & the like		
	Total	Cash	Total	Cash	Total	Cash	Total	Cash	
		Non-cash		Non-cash		Non-cash		Non-cash	
Average	20,697	12,935	7,762	2,098	5,048	3,431	1,019	1,012	7
1. Yilan Rice Region	16,166	9,805	6,361	1,339	4,036	1,556	1,385	1,317	68
2. Taipei Rice Region	25,615	14,426	11,189	2,351	6,826	3,009	1,293	1,291	2
3. Taichung Rice Region	23,094	13,140	9,954	711	8,550	3,542	1,089	1,089	—
4. Kaohsiung Rice Region	23,692	15,630	8,062	1,673	6,090	6,645	1,172	1,172	—
5. Eastern Rice Region	16,006	9,274	6,732	991	4,719	2,595	971	971	—
6. Tea Region	24,217	14,559	9,658	3,114	5,345	3,254	1,139	1,115	24
7. Miaoli Mixed Farming Region	22,581	12,759	9,822	2,459	7,707	2,609	649	640	9
8. Taichung Mixed Farming Region	23,076	16,593	6,483	2,670	5,050	3,856	1,859	1,859	—
9. Alishan Mixed Farming Region	16,698	10,503	6,195	1,875	3,815	3,015	872	872	—
10. Banana & Pine-apple Region	22,376	14,885	7,490	2,906	4,734	3,929	990	990	—
11. Chianan Mixed Farming Region	15,022	10,726	4,296	1,621	2,319	3,337	665	665	—
12. Western Sugar-cane Region	16,700	11,848	4,852	1,527	3,237	3,684	972	972	—
13. Eastern Sugar-cane Region	18,040	11,697	6,343	2,342	4,276	2,692	1,113	1,113	—

**Table 15. Cash and Non-cash Farm Family Living Expenditures by Cost Items, and
by Agricultural Regions, 1962 (Continued)** Unit: NT\$

Agricultural Region	Clothing & ornaments		Rent		Furniture		Light and heat			
	Total	Cash	Non-cash	Total	Cash	Non-cash	Total	Cash	Non-cash	
Average	1,372	1,372	—	1,635	78	1,557	74	709	407	302
1. Yilan Rice Region	1,098	1,098	—	806	—	806	56	320	320	—
2. Taipei Rice Region	1,613	1,613	—	2,217	92	2,125	61	1,043	760	283
3. Taichung Rice Region	1,724	1,724	—	1,212	98	1,114	98	371	371	—
4. Kaohsiung Rice Region	1,214	1,214	—	2,099	141	1,958	63	413	408	5
5. Eastern Rice Region	824	824	—	1,404	88	1,316	—	630	237	393
6. Tea Region	1,600	1,600	—	2,056	172	1,884	96	1,166	538	628
7. Miaoli Mixed Farming Region	1,562	1,562	—	1,244	148	1,096	39	397	375	22
8. Taichung Mixed Farming Region	1,875	1,875	—	1,374	20	1,354	215	482	482	—
9. Alishan Mixed Farming Region	1,143	1,143	—	1,488	25	1,463	55	668	273	395
10. Banana & Pine-apple Region	1,601	1,601	—	1,357	26	1,331	69	1,094	473	621
11. Chianan Mixed Farming Region	940	940	—	1,449	—	1,449	68	499	232	267
12. Western Sugar-cane Region	1,199	1,199	—	1,442	—	1,442	63	280	237	43
13. Eastern Sugar-cane Region	984	984	—	1,493	—	1,493	198	687	368	319

Table 15. Cash and Non-cash Farm Family Expenditures by Cost Items and by Agricultural Regions, 1962 (Continued) Unit: NT\$

Agricultural Region	Medical care		Social expenses		Recreation		Education	
	Total	Cash	Total	Cash	Total	Cash	Total	Cash
Average	1,014	1,014	412	412	101	101	572	572
1. Yilan Rice Region	1,284	1,284	192	192	149	149	292	292
2. Taipei Rice Region	990	990	422	422	118	118	763	763
3. Taichung Rice Region	1,259	1,259	546	546	104	104	613	613
4. Kaohsiung Rice Region	653	653	485	485	156	156	971	971
5. Eastern Rice Region	1,715	1,715	308	308	96	96	313	313
6. Tea Region	750	750	434	434	129	129	660	660
7. Miaoli Mixed Farming Region	1,284	1,284	645	645	119	119	464	464
8. Taichung Mixed Farming Region	1,030	1,030	119	119	68	68	576	576
9. Alishan Mixed Farming Region	1,100	1,100	305	305	57	57	363	363
10. Banana & Pine-apple Region	1,067	1,067	391	391	101	101	649	649
11. Chianan Mixed Farming Region	995	995	345	345	40	40	399	399
12. Western Sugar-cane Region	890	890	421	421	88	88	561	561
13. Eastern Sugar-cane Region	1,977	1,977	268	268	150	150	355	355

**Table 15. Cash and Non-cash Farm Family Living Expenditures by Cost Items,
and by Agricultural Regions, 1962 (Continued)** Unit: NT\$

Agricultural Region	Principal ceremonies			Tax			Interest			Miscellaneous		
	Total	Cash	Non-cash	Total	Cash	Non-cash	Total	Cash	Non-cash	Total	Cash	Non-cash
Average	2,016	2,016	—	41	41	—	237	237	—	70	70	—
1. Yilan Rice Region	1,920	1,920	—	9	9	—	214	214	—	59	59	—
2. Taipei Rice Region	2,599	2,599	—	36	36	—	307	307	—	14	14	—
3. Taichung Rice Region	2,532	2,532	—	71	71	—	230	230	—	152	152	—
4. Kaohsiung Rice Region	1,858	1,858	—	45	45	—	66	66	—	80	80	—
5. Eastern Rice Region	942	942	—	21	21	—	132	132	—	41	41	—
6. Tea Region	2,448	2,448	—	27	27	—	171	171	—	51	51	—
7. Miaoli Mixed Farming Region	2,087	2,087	—	70	70	—	179	179	—	79	79	—
8. Taichung Mixed Farming Region	3,310	3,310	—	49	49	—	302	302	—	162	162	—
9. Alishan Mixed Farming Region	1,162	1,162	—	29	29	—	171	171	—	58	58	—
10. Banana & Pineapple Region	2,373	2,373	—	45	45	—	132	132	—	134	134	—
11. Chianan Mixed Farming Region	1,618	1,618	—	50	50	—	379	379	—	37	37	—
12. Western Sugarcane Region	1,649	1,649	—	39	39	—	421	421	—	97	97	—
13. Eastern Sugarcane Region	943	943	—	87	87	—	217	217	—	3	3	—

Table 16. Farm Earnings by Size Groups and by Agricultural Regions, 1962

Unit: NT\$

Agricultural Region	Average	0.49 chia or less	0.50-0.99 chia	1.00-1.49 chia	1.50-1.99 chia	2.00-2.99 chia	3.00 chia and more
Average	14,243	3,647	10,367	15,523	23,689	27,064	42,163
1. Yilan Rice Region	12,990	6,761	6,327	12,457	14,961	19,090	23,011
2. Taipei Rice Region	21,759	5,260	13,623	22,220	32,461	39,767	87,793
3. Taichung Rice Region	16,786	5,023	13,407	21,542	29,408	39,142	101,974
4. Kaohsiung Rice Region	19,794	7,052	12,774	20,393	44,712	54,295	61,045
5. Eastern Rice Region	15,503	4,396	12,036	13,353	16,476	31,807	39,081
6. Tea Region	15,858	1,288	10,218	18,267	23,301	24,608	35,476
7. Miaoli Mixed Farming Region	18,522	5,616	12,293	17,669	24,865	44,779	28,264
8. Taichung Mixed Farming Region	14,664	4,497	6,295	23,303	33,983	35,802	81,345
9. Alishan Mixed Farming Region	10,029	3,546	8,119	11,830	18,801	19,930	24,972
10. Banana & Pineapple Region	14,927	3,214	12,826	18,123	29,422	32,840	42,391
11. Chianan Mixed Farming Region	7,016	2,312	5,718	10,118	13,626	8,271	25,833
12. Western Sugarcane Region	9,263	3,000	9,562	8,488	13,451	16,452	36,633
13. Eastern Sugarcane Region	12,327	3,667	6,608	10,410	27,291	13,812	60,129

Table 17. Farm Family Earnings by Size Groups and by Agricultural Regions, 1962

Unit: NT\$

Agricultural Region	Average	0.49 chia or less	0.50-0.99 chia	1.00-1.49 chia	1.50-1.99 chia	2.00-2.99 chia	3.00 chia and more
Average	24,108	14,080	19,762	25,234	32,631	37,251	53,214
1. Yilan Rice Region	19,947	15,292	15,477	20,560	19,290	26,798	25,321
2. Taipei Rice Region	32,535	17,223	22,231	33,960	44,961	50,214	98,843
3. Taichung Rice Region	27,648	14,058	21,705	35,616	40,634	63,928	123,151
4. Kaohsiung Rice Region	31,076	19,913	22,741	32,860	48,394	70,335	74,096
5. Eastern Rice Region	21,554	8,981	16,410	21,311	19,832	34,899	51,397
6. Tea Region	28,464	17,018	25,129	27,961	32,702	35,564	46,394
7. Miaoli Mixed Farming Region	28,283	17,119	21,177	28,149	35,620	52,415	37,239
8. Taichung Mixed Farming Region	23,444	13,876	14,285	33,901	50,483	44,502	84,995
9. Alishan Mixed Farming Region	16,908	11,563	15,030	17,447	24,903	25,882	31,125
10. Banana & Pineapple Region	24,289	13,220	20,966	28,576	35,761	39,245	57,675
11. Chianan Mixed Farming Region	16,019	10,799	13,292	18,835	24,905	22,282	37,461
12. Western Sugarcane Region	17,808	12,546	15,286	17,774	23,409	26,956	44,339
13. Eastern Sugarcane Region	20,278	8,566	13,595	16,488	34,891	24,400	83,229

Table 18. Farm Family Surplus by Size Groups and by Agricultural Regions, 1962

Unit: NT\$

Agricultural Region	Average	0.49 chia or less	0.50-0.99 chia	1.00-1.49 chia	1.50-1.99 chia	2.00-2.99 chia	3.00 chia and more
Average	3,411	- 907	1,565	3,168	8,530	7,657	17,735
1. Yilan Rice Region	3,781	-1,910	3,701	4,406	3,101	3,854	10,015
2. Taipei Rice Region	6,920	-1,556	2,833	5,381	13,185	17,749	42,309
3. Taichung Rice Region	4,554	- 981	1,004	3,734	14,004	19,983	80,317
4. Kaohsiung Rice Region	7,384	1,989	2,601	4,823	18,793	28,117	31,363
5. Eastern Rice Region	5,548	-1,471	3,471	4,413	1,525	15,451	25,029
6. Tea Region	4,247	-2,363	3,800	4,675	9,278	2,413	11,759
7. Miaoli Mixed Farming Region	5,702	-3,512	2,153	2,584	14,687	25,348	2,835
8. Taichung Mixed Farming Region	368	2,150	-4,754	-8,431	19,039	-14,234	50,720
9. Alishan Mixed Farming Region	210	-1,209	-1,550	168	2,459	3,729	7,914
10. Banana & Pineapple Region	1,913	-2,636	282	6,855	5,392	7,736	12,637
11. Chianan Mixed Farming Region	997	- 118	- 336	2,225	5,704	- 2,145	9,349
12. Western Sugarcane Region	1,108	288	627	1,564	2,677	- 2,809	11,545
13. Eastern Sugarcane Region	2,238	964	2,235	-2,219	4,698	2,150	21,026

Table 19. Changes in Farm Assets by Items and by Agricultural Regions, 1962

Unit: NT\$

Agricultural Region	Total		Land		Orchard		Farm houses		Farm implements		
	Year beginning	Year end	Year beginning	Year end	Year beginning	Year end	Year beginning	Year end	Year beginning	Year end	
Average	132,757	133,198	441	101,819	101,684	9,358	10,087	14,760	14,058	1,632	1,509
1. Yilan Rice Region	79,860	82,066	2,206	46,233	46,233	18,759	20,014	7,994	9,980	961	734
2. Taipei Rice Region	189,054	189,101	47	158,227	158,227	3,621	3,421	17,619	18,282	2,245	1,864
3. Taichung Rice Region	166,474	166,222	- 252	142,285	141,484	638	788	15,640	14,796	2,486	3,580
4. Kaohsiung Rice Region	130,116	131,196	1,080	101,325	101,311	501	964	22,253	21,504	2,449	2,040
5. Eastern Rice Region	82,156	81,965	- 191	63,050	63,050	2,433	2,813	8,354	7,022	1,157	936
6. Tea Region	121,645	122,034	389	78,521	78,521	21,261	22,849	15,677	14,089	1,139	918
7. Miaoli Mixed Farming Region	151,065	155,339	4,274	119,765	119,476	12,082	13,519	11,385	10,797	1,131	991
8. Taichung Mixed Farming Region	163,658	163,276	- 382	142,261	142,261	5,224	5,682	10,350	9,773	929	826
9. Alishan Mixed Farming Region	103,319	103,383	64	69,212	69,059	17,543	18,244	11,167	10,654	1,637	1,439
10. Banana and Pineapple Region	194,125	195,337	1,212	148,881	148,809	16,987	19,069	22,472	21,345	910	787
11. Chiunan Mixed Farming Region	100,007	99,973	- 34	84,105	84,309	124	138	9,989	9,531	1,629	1,418
12. Western Sugarcane Region	127,649	126,544	- 1,105	103,231	102,225	954	996	16,225	15,698	2,102	1,920
13. Eastern Sugarcane Region	75,056	74,743	- 313	54,528	54,528	2,386	2,800	9,792	8,762	2,031	1,643

Table 19. Changes in Farm Assets by Items and by Agricultural Regions, 1962
(Continued)

Unit: NT\$

Agricultural Region	Inventory		Livestock		Crop in stock		Cash	
	Year beginning	Year end	Year beginning	Year end	Year beginning	Year end	Year beginning	Year end
Average	206	231	3,620	4,051	930	1,298	432	280
1. Yilan Rice Region	7	7	3,650	3,477	1,311	1,621	945	—
2. Taipei Rice Region	119	147	4,518	4,967	2,187	2,193	518	—
3. Taichung Rice Region	724	652	3,136	2,995	1,443	1,613	122	314
4. Kaohsiung Rice Region	159	371	3,039	3,403	318	1,598	72	5
5. Eastern Rice Region	7	192	4,647	5,301	1,804	2,227	704	424
6. Tea Region	81	109	3,620	4,140	953	1,408	393	—
7. Miaoli Mixed Farming Region	749	969	3,958	5,186	471	1,497	1,524	2,904
8. Taichung Mixed Farming Region	20	52	3,965	3,414	—	1,074	909	194
9. Alishan Mixed Farming Region	74	50	2,721	3,384	140	150	825	403
10. Banana and Pineapple Region	102	161	3,150	3,535	1,198	1,470	425	161
11. Chianan Mixed Farming Region	174	60	3,413	3,844	490	652	83	21
12. Western Sugarcane Region	248	252	3,891	4,247	886	1,145	112	61
13. Eastern Sugarcane Region	—	71	5,802	5,825	517	1,114	—	—

Table 20. Changes in Farm Assets by Size Groups and by Agricultural Regions, 1962

Unit: NT\$

Agricultural Region	Average		0.49 chia or less		0.50-0.99 chia		1.00-1.49 chia					
	Year beginning end	Year Value change	Year beginning end	Year Value change	Year beginning end	Year Value change	Year beginning end	Year Value change				
Average	132,757	133,198	441	63,420	63,117	- 303	89,975	89,588	- 387	145,066	144,828	- 238
1. Yilan Rice Region	79,860	82,066	2,206	39,851	40,474	623	49,900	53,283	3,383	58,235	59,545	1,310
2. Taipei Rice Region	189,054	189,101	47	69,005	71,001	1,996	120,665	119,898	- 767	260,175	257,652	- 2,523
3. Taichung Rice Region	166,474	166,222	- 252	63,613	61,601	- 2,012	120,643	119,960	- 683	236,945	235,029	- 1,916
4. Kaohsiung Rice Region	130,116	131,196	1,080	41,576	41,511	- 65	95,314	100,579	5,265	152,863	153,295	432
5. Eastern Rice Region	82,156	81,965	- 191	92,126	91,960	- 166	46,966	45,812	- 1,154	48,822	47,904	- 918
6. Tea Region	121,645	122,034	389	65,164	65,380	216	80,992	79,720	- 1,272	107,673	109,122	1,449
7. Miaoli Mixed Farming Region	151,065	155,339	4,274	67,924	66,088	- 1,836	112,280	114,053	1,773	227,966	229,477	1,511
8. Taichung Mixed Farming Region	163,658	163,276	- 382	54,584	55,309	725	64,698	64,940	242	271,428	269,710	- 1,718
9. Alishan Mixed Farming Region	103,319	103,383	64	60,303	60,384	81	79,327	79,161	- 166	91,969	91,811	- 158
10. Banana and Pine-apple Region	194,125	195,337	1,212	161,485	160,010	- 1,475	112,208	112,246	38	140,380	140,739	359
11. Chianan Mixed Farming Region	100,007	99,973	- 34	33,569	33,327	- 242	77,307	76,843	- 464	123,300	122,611	- 689
12. Western Sugar-cane Region	127,649	126,544	- 1,105	73,185	72,380	- 805	80,681	77,762	- 2,919	134,120	133,497	- 623
13. Eastern Sugar-cane Region	75,056	74,743	- 313	13,562	13,597	35	34,457	35,049	592	73,485	72,030	- 1,455

Table 20. Changes in Farm Assets by Size Groups and by Agricultural Regions, 1962
(Continued)

Unit: NT\$

Agricultural Region	1.50-1.99 chia			2.00-2.99 chia			3.00 chia and more		
	Year beginning	Year end	Value change	Year beginning	Year end	Value change	Year beginning	Year end	Value change
Average	200,600	203,151	2,551	221,768	222,418	650	367,694	373,733	6,039
1. Yilan Rice Region	100,185	103,371	3,186	154,972	157,441	2,469	63,247	62,687	- 560
2. Taipei Rice Region	247,442	252,215	4,773	309,477	306,181	-3,296	517,337	517,394	57
3. Taichung Rice Region	334,022	340,116	6,094	488,047	498,522	10,475	577,473	585,716	8,243
4. Kaohsiung Rice Region	177,715	178,126	411	351,240	351,431	191	556,169	568,037	11,868
5. Eastern Rice Region	108,136	110,355	2,219	156,986	154,472	-2,514	220,903	227,326	6,423
6. Tea Region	143,004	143,076	72	162,880	160,050	-2,830	295,468	302,777	7,309
7. Miaoli Mixed Farming Region	231,698	243,176	11,478	165,941	179,226	13,285	222,928	244,373	21,445
8. Taichung Mixed Farming Region	187,007	187,337	330	250,425	243,640	-6,785	1,072,228	1,068,344	-3,884
9. Alishan Mixed Farming Region	245,462	246,209	747	150,586	150,792	206	227,232	227,509	277
10. Banana and Pineapple Region	358,404	368,209	9,805	297,184	301,510	4,326	477,799	486,113	8,314
11. Chianan Mixed Farming Region	168,861	169,085	224	265,231	263,274	-1,957	303,227	310,995	7,768
12. Western Sugarcane Region	205,773	206,068	295	273,538	272,758	- 780	620,760	619,346	-1,414
13. Eastern Sugarcane Region	128,753	126,339	-2,414	121,932	120,772	-1,160	328,076	329,777	1,701

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