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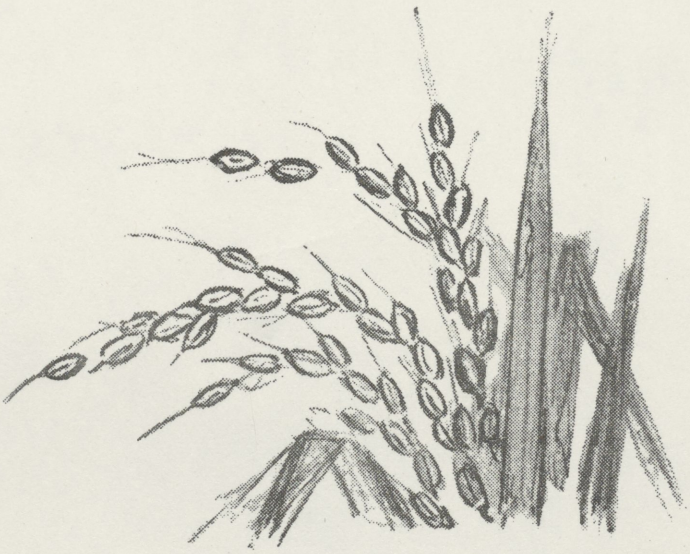
FARM ECONOMY ANALYSIS REPORT

From The Results of 21 Simplified Farm Records

—Rice Farms in Kohokucho, Shiga Prefecture—



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A systematic analysis of farm records kept by farmers provides much useful information. Farmers use this information in studying and planning their individual farm operation. Farm management workers use the results in teaching farmers and in considering future development of agriculture.

Our Institute each year sponsors a farm accounting project for a group of farmers in The Kinki District. This project has been in progress since 1927. Emphasis has been placed on individual analysis. In addition to this we have a new project "How to use the results of farm bookkeeping". It is sponsored by "The Council on Economic and Cultural Affairs (U.S.A.)". The purpose is to establish a method to make practical use of the results of records kept by farmers.

This report shows the results of rice farm analysis under the new project. In addition to the statistical data we try to give some clue as to farm management improvement to book-keeping farmers and extension workers. We expect that the extension of such methods will contribute to the development of farming in The Kinki District and on a wider, nation-wide scale.

This project was under the supervision of Prof. M. Kuwahara, Head of this Institute. Closing of the records and analysis of the results were done by T. Kikuchi - assistant professor of this Institute, and K. Sahara - assistant professor of Shiga Prefectural College. Some staff and students at Shiga Prefectural College, and the extension workers in Kohoku District helped farmers to keep and close records in cooperation with us.

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Method of Analysis Used

For this analysis, these were 21 farmers who completed Simplified Farm Records devised by our Institute for the year 1961. All of them are rice farmers in Asahi, Kohokucho, Shiga Prefecture. Each farmer's records were summarized and analyzed by our Institute according to the following three steps:

(1) Analysis of farm family economy....including non-farm and living aspects

(2) Analysis of farm business....dealing with farm business as a whole and excluding non-farm and living aspects

(3) Analysis of rice enterprise....dealing with only rice enterprise extracted from farm business

The results of the analysis are shown in three ways.

(1) Average for all farms....Averages and ranges of selected measures for all farms are shown to be compared with each farmer's own measures.

(2) Average for groups....Averages of selected measures for each group of farms classified according to an important measure are shown to indicate the interrelation of factor-effect, factor-factor, or effect-effect.

(3) Dot representation for all farms....Each figure of selected measures for all farms is represented by dot to show weak or strong points of each farm as compared with the others.

Definition of Terms Used

Gross income of farm family

Revenue receipts plus Value products consumed by family plus Appreciation of fixed assets including off-farm income of family members. Revenue receipts does not include sale of large livestock and trees. Appreciation of fixed assets means value of growth of large livestock and trees.

Revenue expense of farm family

Revenue expenditure plus Depreciation of fixed assets. Revenue expenditure does not include purchase of large machinery and livestock.

Net income of farm family

Gross income minus Revenue expense. This means the financial return to owned capital and labor and management of all family members, including non-farm.

Net farm income

Gross farm income minus Farm expense. Farm expense does not include interest paid. Net farm income means the financial return to owned farm assets and family labor and management worked on farm.

Farm labor income

Net farm income minus Interest on owned farm assets

Net return to rice (enterprise)

Gross return to rice minus Expense of rice. Gross return includes the value of the products used by other enterprises, for example, rice straw. Expense includes the value of supplies produced by other enterprises, for example, manure. Net return to rice means the financial return to capital invested and family labor and management used in rice enterprise.

I. ANALYSIS OF FARM FAMILY ECONOMY

Table I - 1 Resources of Farm Family Economy

	Average 21 farms	Average of 7 farms with the Lowest net income	Highest net income
Family member			
Number in family	4.7	3.7	5.3
Male	2.1	1.7	2.7
Female	2.6	2.0	2.6
Man equiv. of family lavorer*	2.0	1.9	2.2
Man equiv. of family consumer	4.0	3.2	4.7
Operating land			
Ares of operating land	149.7	130.6	167.0
Ares of arable land	146.5	127.6	164.0
	thousand yen (%)	thousand yen (%)	thousand yen (%)
Capital **			
Value of total assets	5,443(100)	4,966(100)	6,157(100)
Fixed assets	4,942(91)	4,635(93)	5,513(89)
land	3,618(66)	3,514(71)	3,890(64)
building	1,128(21)	963(19)	1,420(23)
tree	40(1)	53(1)	35(0)
livestock	38(1)	29(0)	25(0)
machinery	118(2)	76(2)	143(2)
Flowing assets	219(4)	156(3)	290(5)
Cash & Credit assets	282(5)	175(4)	354(6)
Liabilities	61	47	94
Net worth (Total assets-Liabilities)	5,382	4,919	6,063

* Family member who worked more than 240 days for the year is regarded as 1.0. Labor days less than 240 are divided by 240 to be man equiv.

** at the beginning of the year

Table I - 2 Financial Summary of Farm Family Economy

	Average 21 farms	Average of 7 farms with the Lowest net income	Highest net income
	thousand yen	thousand yen	thousand yen
Gross income of farm family	768	602	967
Revenue reccipts	565	445	720
Value products consumed by family	200	167	235
Appreciation of fixed assets	3	-10	12
Revenue expense of farm family	252	252	288
Revenue expense	166	165	190
Depreciation of fixed assets	86	87	98
Net income of farm family (Gross income - Revenue expense)	516	350	679
Living expense	445	406	485
Living expenditures	245	239	250
Value products consumed by family	200	167	235
Living expense of family (Living expense - Board for hired labor)	443	405	480
Income surplus over living expense (Net income - Living expense of family)	73	-55	199
Net income per family laborer (¥1,000)	271	204	314
Net income index *	67	58	72
Non - farm index **	24.8	25.4	26.8
Living expense per family consumer (¥1,000)	120	143	108
Engel's Coefficient	38	36	39

* Percent net income was of total gross income

** Percent gross non-farm income was of total gross income

Table I - 3 Classification of Total Revenue* by Item

Item	Average 21 farms	Average of 7 farms with the Lowest net income	Average of 7 farms with the Highest net income
	thousand yen (%)	thousand yen (%)	thousand yen (%)
Rice	480.6(63)	373.7(61)	579.6(61)
Other grain	6.3(1)	2.3(0)	10.5(1)
Vegetable	11.8(1)	12.9(2)	14.3(1)
Fruit	1.1(0)	1.4(0)	1.0(0)
Other crop	4.9(1)	4.1(1)	7.3(1)
Subtotal of crop	504.7(66)	394.4(64)	612.7(64)
Livestock **	46.2(6)	43.2(7)	57.5(6)
Forest ***	2.4(0)	2.8(0)	3.3(1)
Property use	107.5(14)	103.0(17)	138.3(14)
Wage	68.9(9)	39.8(6)	105.0(11)
Subsidy and gift	11.8(2)	7.8(2)	12.5(1)
Miscellaneous	23.9(3)	21.5(4)	26.3(3)
Total revenue *	765.4(100)	612.5(100)	955.6(100)

* Revenue receipts + Value products consumed by family

** does not include sale of large livestock

*** does not include sale of tree

Table I - 4 Classification of Revenue Expenditure by Item

Item	Average 21 farms	Average of 7 farms with the Lowest net income	Average of 7 farms with the Highest net income
	thousand yen (%)	thousand yen (%)	thousand yen (%)
Seed	1.1(1)	0.7(0)	0.9(0)
Fertilizer	41.5(25)	40.1(24)	49.9(26)
Chemical	6.2(4)	7.1(4)	6.3(4)
Feed	18.9(11)	12.6(8)	22.2(12)
Other supplies	7.2(4)	8.5(5)	5.0(3)
Livestock *	6.1(4)	4.7(3)	11.2(6)
Machinery **	5.4(3)	5.4(3)	4.5(2)
Building ***	7.9(5)	17.0(10)	2.7(1)
Fuel and light	6.1(4)	4.8(3)	8.3(5)
Hired labor	8.7(5)	12.5(8)	10.0(6)
Rent and fee	8.1(5)	7.9(5)	9.5(5)
Interest on dept	3.3(2)	3.8(2)	3.8(2)
Insurance	4.9(3)	3.5(2)	4.5(2)
Tax	23.7(14)	20.7(12)	25.4(13)
Miscellaneous	17.4(10)	16.1(11)	25.4(13)
Total	166.5(100)	165.4(100)	189.6(100)

* does not include purchase of large livestock

** does not include purchase of large machinery

*** repair for maintenance

Table I - 5 Classification of Living Expense by Item

Item	Average 21 farms	Average of 7 farms with the	
		Lowest net income	Highest net income
	thousand yen (%)	thousand yen (%)	thousand yen (%)
Rice	85.4(19)	62.3(15)	94.1(19)
Other cereals	2.6(1)	1.5(0)	4.1(1)
Subsidiary food	39.1(9)	32.9(8)	43.3(9)
Other food and drink *	39.1(9)	35.7(9)	48.9(9)
Subtotal(Food & drink)	166.2(38)	132.4(32)	190.4(38)
Clothing	28.8(6)	24.1(6)	32.7(7)
Housing and furnitures	120.4(28)	99.5(25)	150.0(31)
Light, heat, water	19.3(4)	16.1(4)	21.1(4)
Sanitation	17.6(4)	18.1(4)	17.7(4)
Education	14.6(3)	5.0(1)	27.5(6)
Recreation **	37.3(8)	42.3(10)	27.8(6)
Miscellaneous	41.4(9)	68.9(18)	18.5(4)
Total	445.6(100)	406.4(100)	485.7(100)

* includes liquors and tobacco

** includes estimated rent value of residence

Figure. I – 1

Family Laborer	Farm Operating Land	Total Assets	Liabilities	Gross Income	Non-Farm Index	Net Income	Living Expense
man equiv.	are	¥10,000	¥1,000	¥1,000	%	¥1,000	¥1,000
3.2	229	744	461	1,168	65	916	843
2.9	209	694	361	1,068	55	816	743
2.6	189	644	261	968	45	716	643
2.3	169	594	161	868	35	616	543
2.0	149	544	61	768	25	516	443
1.7	129	494	0	668	15	416	343
1.4	109	444		568	5	316	243
1.1	89	394		468	0	216	143
0.8	69	344		368		116	43

II. ANALYSIS OF FARM BUSINESS

Table II - 1 Size of Farm

	Average 21 farms	Range	
		High	Low
Man equiv. of family members working on farm	1.6	2.7	1.0
Are of farm operating land	149.7	224.5	100.8
Arable land	146.5	221.0	100.0
paddy field	134.0	215.0	85.0
upland field	12.5	45.0	2.0
Other	3.2	8.5	0.8
	%		
Farm Capital (¥1,000)	4,138(100)	6,010	3,066
Fixed assets	3,921(95)	5,792	2,887
land	3,388(82)	5,326	2,227
building	352(8)	740	88
tree	25(1)	133	0
livestock	38(1)	215	0
machinery	118(3)	358	21
Flowing assets	217(5)	525	52

Table II - 2 Financial Summary of Farm Business

	Average 21 farms	Range	
		High	Low
	¥	¥	¥
Gross farm income	574,186	895,716	372,437
Farm revenue	571,002	876,554	392,437
Appreciation of farm fixed assets	3,184	49,000	-42,400
Farm expense	184,151	365,424	97,451
Farm expenditure	135,012	295,375	68,688
Depreciation of farm fixed assets	49,139	152,843	16,618
Net farm income (Gross farm income - farm expense)	390,035	558,185	216,630
Net farm return to family labor (Net farm income - Interest on farm capital)	138,630	317,491	13,419
Net farm income per 10 ares of arable land	26,531	34,142	17,917
Net farm income per man equiv.	253,180	437,568	103,157
Net farm income per capital 10,000 yen	946	1,429	629
Net farm return to family labor per day	364	772	37

Table II - 3 Crop Production

	No. of farms	Are of rice harvested			Yield per 10 ares(Kg)		
		Average	Largest	Smallest	Average	Highest	Lowest
Rice	21	133.6	215.0	85.0	523.7	626.0	420.0

	Average 21 farms	Range	
		High	Low
Gross crop income per 10 ares (yen)	33,365	46,439	5,295
Value fertilizer purchased per 10 ares	2,766	4,574	1,355

Table II - 4 Land Use

	Average 21 farms	Range	
		High	Low
% of operating land in arable land	97.8	99.4	93.2
% of arable land in paddy field	90.9	98.4	66.7
% of paddy field in double cropping	0.3	7.1	0

Table II - 5 Labor Use

	Average 21 farms	Range	
		High	Low
Are of arable land per man equiv.	95.9	187.1	48.0
Farm capital per man equiv. (¥1,000)	2,740	5,008	1,460
Gross farm income per man equiv. (¥1,000)	371	659	177
Days worked on farm per man equiv.*	243	329	174
Total days worked on farm by family*	389	569	252
Days worked on 10 ares of arable land*	27.0	41.4	14.0

* days converted by ability

Table II - 6 Capital Use

	Average 21 farms	Range	
		High	Low
Farm capital turnover *	0.14	0.22	0.09
Machinery investment per 10 ares of arable land (¥)	7,754	19,674	1,444

* Gross farm income divided by farm capital

Table II - 7 Combination of Enterprises

	Average 21 farms	Range of %	
		High	Low
% of gross farm income in rice	84.6	94.6	55.8
% of gross farm income in total crop	88.9	98.7	60.7
% of gross farm income in livestock	6.2	35.6	-

Table II - 8 Average of Farms Grouped According to Net Farm Income and Net Farm Return to Family Labor per Day

	Average of 7 farms grouped according to net farm income			Average of 7 farms grouped according to net return to labor per day		
	Lowest	Middle	Highest	Lowest	Middle	Highest
Range	(¥1,000) 217～329	(¥1,000) 357～425	(¥1,000) 434～558	(¥) 37～207	(¥) 309～491	(¥) 531～772
Effects:						
Gross farm income (¥1,000)	445	550	726	460	542	719
Net farm income (¥1,000)	272	392	506	279	392	497
Net farm income per 10 ares (¥1,000)	21	28	30	20	28	30
Net farm income per man equiv. (¥1,000)	170	230	316	174	218	311
Net farm income per ¥10.000 of capital invested (¥)	737	981	1,122	691	1,029	1,119
Net farm return to family labor (¥1,000)	47	138	229	35	154	225
Net farm return to family labor per day (¥)	127	359	607	92	378	622
Factors :						
Man equiv. of family laborer	1.6	1.7	1.6	1.6	1.8	1.6
Are of arable land	127	141	170	136	137	165
Are of rice	113	129	157	123	122	154
Farm capital (¥1,000)	3,733	4,076	4,604	4,058	3,818	4,536
Kg. of rice yield per 10 ares	477	555	540	478	548	545
Total days worked on farm by family	380	405	382	385	417	365
Days worked on 10 ares	30	28	23	28	30	22
Farm Capital turnover	0.12	0.13	0.16	0.11	0.14	0.16
% of gross farm income in rice	85	83	84	84	83	86

Table II - 9 Average of Farms Crouped According to Area of Arable Land and Rice Crop

	Average of 7 farms grouped according to ares of arable land			Average of 7 farms grouped according to ares of rice crop		
	Least	Middle	Most	Least	Middle	Most
Range	(are) 100~ 135	(are) 135~ 149	(are) 155~ 221	(are) 85~ 118	(are) 125~ 142	(are) 144~ 215
Effects:						
Gross farm income(¥1,000)	568	479	674	508	539	674
Net farm income (¥1,000)	369	317	482	322	364	482
Net farm income per 10 ares (¥1,000)	25	26	27	25	15	27
Net farm income per man equiv. (¥1,000)	205	211	301	179	243	301
Net farm income per ¥10,000 of capital (¥)	935	883	1,021	921	897	1,021
Net farm return to family labor (¥1,000)	131	92	191	114	109	191
Net farm return to family labor per day (¥)	339	274	479	260	354	479
Factors:						
Man equiv. of family laborer	1.8	1.5	1.6	1.8	1.5	1.6
Are of arable land	121	143	175	125	138	175
Are of rice	123	110	166	107	132	166
Farm capital (¥1,000)	3,968	3,608	4,837	3,464	4,112	4,837
Kg. of rice yield per 10 ares	532	503	536	498	536	536
Total days on farm by family	419	349	398	435	334	398
Days worked on 10 ares	29	29	23	34	24	23
Farm capital turnover	0.14	0.13	0.14	0.14	0.13	0.14
% of gross farm income in rice	80	82	91	72	90	91

Table II - 10 Average of Farms Grouped According to Days Worked on Farm and Kg. of Rice Yield per 10 Ares

	Average of 7 farms grouped according to days worked on farm			Average of 7 farms grouped according to Kg. of rice yield per 10 ares		
	Least	Middle	Most	Lowest	Middle	Highest
Range	(day) 252～358	(day) 362～423	(day) 424～569	(kg) 420～517	(kg) 527～540	(kg) 542～626
Effects:						
Gross farm income (¥1,000)	621	471	628	505	548	669
Net farm income(¥1,000)	421	313	435	328	380	460
Net farm income per 10 ares (¥1,000)	27	23	29	22	27	30
Net farm income per man equiv. (¥1,000)	324	196	217	205	253	242
Net farm income per ¥10,000 of capital (¥)	931	809	1,099	776	991	1,072
Net farm return to family labor (¥1,000)	139	79	196	78	144	193
Net farm return to family labor per day(¥)	467	204	421	215	406	471
Factors:						
Man equiv. of family laborer	1.3	1.6	2.0	1.6	1.5	1.9
Ares of arable land	155	134	149	145	142	151
Ares of rice	149	117	134	132	133	134
Farm capital (¥1,000)	4,569	3,899	3,944	4,174	3,935	4,303
Kg. of rice yield per 10 ares	526	500	543	460	534	578
Total days worked on farm by family	300	385	482	375	373	418
Days worked on 10 ares	19	29	32	27	26	27
Farm capital turnover	0.13	0.12	0.15	0.12	0.14	0.15
% of gross farm income in rice	92	83	78	83	88	81

Figure. Ⅱ - 1

Family Laborer Working on Farm	Arable Land	Are of Rice	Farm Capital	Total Days Worked on Farm	Rice Yield per 10 Ares
man equiv.	are	are	¥10,000	day	Kg.
2.4	226	214	573	549	603
2.2	206	194	533	509	583
2.0	186	174	493	469	563
1.8	166	154	453	429	543
1.6	146	134	413	389	523
1.4	126	114	373	349	503
1.2	106	94	333	309	483
1.0	86	74	293	269	463
0.8	66	54	253	229	443

Figure. Ⅱ - 2

Gross Farm Income	Net Farm Income: Total	Net Farm Income: per 10 Ares	Net Farm Income: per Farm Laborer	Net Farm Income: per ¥10,000 Farm Capital	Net Return to Family Labor per day
¥1,000	¥1,000	¥1,000	¥1,000	¥1,000	¥
774	550	34	373	1.3	764
724	510	32	343	1.2	664
674	470	30	313	1.1	564
624	430	28	283	1.0	464
574	390	26	253	0.9	364
524	350	24	223	0.8	264
474	310	22	193	0.7	164
424	270	20	163	0.6	64
374	230	18	133	0.5	0

III. Analysis of Rice Enterprise

Table III - 1 Size of Rice Enterprise

	Average 21 farms	Range	
		High	Low
Are of rice crop	135	215	85
Days worked in rice	238	370	131
family labor	225	341	115
hired labor	13	79	0
Capital invested in rice (¥1,000)	3,552	5,568	2,483

Table III - 2 Financial Summary of Rice Enterprise

	Average 21 farms	Range	
		High	Low
	(¥)	(¥)	(¥)
Gross return to rice	522,328	824,399	294,232
rice	480,070	775,579	263,482
by-products	42,258	66,638	29,265
Expense of rice	152,117	292,027	90,235
purchased *	131,050	278,527	77,620
self-supplied	21,067	68,852	7,035
Net return to rice	370,211	532,372	165,456
Gross return to rice per 10 ares	39,254	49,365	29,423
Net return to rice per 10 ares	27,869	35,432	16,546
Net return to rice per day worked	1,763	3,405	605
Net return to rice per ¥ 10,000 of capital	1,055	1,606	633
Net return to labor per day	746	1,641	41
Interest rate of capital invested	0.061	0.108	-0.005

* includes depreciation of fixed assets

Table III - 3 Other Indicators of Rice Enterprise

	Average 21 farms	Range	
		High	Low
Kg. of rice produced	6,930	9,800	3,780
Kg. of rice yield per 10 ares	524	626	420
% of expense of rice in fertilizer	31	40	18
Capital invested per 10 ares	266	319	193
Days worked in rice per 10 ares	18	31	8
% of fertilizer cost in purchased	23	38	12
% of fertilizer bought is of rice sold	7.6	13.7	4.4

Table III - 4 Cost Control

		Average 21 farms	Range	
			High	Low
		(¥) %	(¥)	(¥)
per 10 ares of rice crop	Expense	11,385(29)	17,487	7,804
	Cost of family labor	11,130(29)	18,784	2,985
	Interest on capital	16,111(42)	19,184	11,622
	Total cost	38,626(100)	49,487	30,053
	Value of by-products	3,215	4,475	2,120
	Kg. of rice produced	524	626	420
Production cost of rice per Kg.		68.4	98.9	51.7
Average price of rice per Kg.		69.1	80.3	55.0
% cost of rice is of price		99.7	160.3	74.3
% fertilizer bought is of rice sold		7.6	13.7	4.4

Table III - 5 Average of Farms Grouped According to Net Return to Rice Enterprise and Production Cost of Rice

	Average 21 farms	Average of 7 farms grouped according to net return to rice enterprise		Average of 7 farms grouped according to production cost of rice	
		Lowest	Highest	Lowest	Highest
Range		(¥1,000) 165 ~ 316	(¥1,000) 396 ~ 532	(¥) 51.7 ~ 60.6	(¥) 74.0 ~ 98.9
Effects :					
Gross return to rice (¥1,000)	522	384	668	546	443
Net return to rice (¥1,000)	370	252	479	411	282
Net return to rice per 10 ares(¥1,000)	27	24	31	30	24
Net return to labor per day (¥)	746	364	1,080	1,093	380
Interest rate of capital invested	0.06	0.03	0.08	0.08	0.03
Cost of rice per Kg.(¥)	68.4	82.6	61.0	56.4	83.7
Factors :					
Ares of rice crop	134	103	156	135	113
Days worked in rice crop	238	252	249	205	270
Capital invested in rice crop(¥1,000)	3,552	2,820	3,962	3,367	3,166
Kg. of rice yield per 10 ares	524	492	553	545	500
Days worked per 10 ares of rice crop	18	23	16	15	23
% of fertilizer cost in purchased	23	21	23	23	19
% fertilizer bought is of rice sold	7.6	8.7	7.9	6.7	8.6

Table III - 6 Average of Farms Grouped According to Are of Rice Crop and Rice Yield per 10 Ares

	Average 21 farms	Average of 7 farms grouped according to are of rice crop		Average of 7 farms grouped according to rice yield	
		Least	Most	Lowest	Highest
Range		(are) 85～118	(are) 144～215	(kg) 420～517	(kg) 542～626
Effects :					
Gross return to rice (¥1,000)	522	383	660	467	574
Net return to rice (¥1,000)	370	259	467	316	413
Net return to rice per 10 ares (¥1,000)	27	25	29	23	31
Net return to labor per day (¥)	746	553	812	528	955
Interest rate of capital	0.061	0.044	0.069	0.045	0.069
Cost of rice per Kg. (¥)	68.4	78.5	65.1	76.6	63.2
Factors :					
Ares of rice crop	134	101	166	132	135
Days worked in rice crop	238	226	273	223	234
Capital invested in rice crop(¥1,000)	3,552	1,295	4,358	3,661	3,678
Kg. of rice yield per 10 ares	524	498	536	460	578
Days worked per 10 ares of rice crop	18	21	17	18	17
% of fertilizer cost in purchased	23	19	25	20	24
% fertilizer bought is of rice crop	7.6	7.9	7.6	9.1	6.1

Figure. Ⅱ – 1

Are of Rice	Rer 10 Ares									
	Days Worked in Rice		Capital Invested in Rice		Rice Yield		Gross Return to Rice		Net Return to Rice	
are	day		¥1,000		Kg		¥1,000		¥1,000	
214	30		346		603		47		35	
194	27		326		583		45		33	
174	24		306		563		43		31	
154	21		286		543		41		29	
134	18		266		523		39		27	
114	15		246		503		37		25	
94	12		226		483		35		23	
74	9		206		463		33		21	
54	6		186		443		31		19	

Figure. Ⅱ - 2

Net Return to Labor per Day	Net Return to Rice per ¥10,000 Capitol	Per 10 Ares: Expense of Rice	Per 10 Ares: Total cost of Rice	Per 10 Ares: Value By-products	% Fertiliger Bought is of Rice Sold	Cost of Rice per Kg.
¥	¥1,000	¥1,000	¥1,000	¥1,000	%	¥
1,146	1.4	15	47	4.0	11.6	89
1,046	1.3	14	45	3.8	10.6	84
946	1.2	13	43	3.6	9.6	79
846	1.1	12	41	3.4	8.6	74
746	1.0	11	39	3.2	7.6	69
646	0.9	10	37	3.0	6.6	64
546	0.8	9	35	2.8	5.6	59
446	0.7	8	33	2.6	4.6	54
346	0.6	7	31	2.4	3.6	49