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SUMMARY TABLES  
OF  
AGRICULTURAL RESEARCH ON THE ECONOMICS OF  
PRODUCING HIGH YIELDING RICE VARIETIES IN SUPHAN BURI, THAILAND

PART I

WET SEASON 1970

DRY SEASON 1971

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## INTRODUCTION

These Summary Tables have resulted from a project conducted as a joint arrangement between the Department of Agricultural Economics, Faculty of Economics and Business Administration, Kasetsart University, and the Department of Agricultural Economics, Cornell University. Financial support was from a Cornell University research grant from the United States Agency for International Development and from the Departments of Agricultural Economics at Kasetsart and Cornell.

Mr. Burton is a graduate student in the Department of Agricultural Economics at Cornell and Mr. Tongruay is a junior lecturer in the Department of Agricultural Economics at Kasetsart University. Mr. Burton's research has been supervised by Professor John W. Meller of Cornell University.

The Summary Tables are being issued in two parts. Part I will cover the 1970 wet season and 1971 dry season, while Part II will cover the 1971 wet season.

The data presented were gathered in a series of interviews from March 1971 through March 1972.

A random sample of approximately 130 farmers was selected from six villages in Changwat Suphan Buri. Two of the selected villages are in Amphoe Bang Pla Ma and four in Amphoe Sri Prachan. The villages in Bang Pla Ma are in a floating rice area where high yielding rice varieties cannot be grown at the present time. All rice in these villages is broadcasted and the data is included for comparative purposes. The study villages are abbreviated as BC-1 and BC-8, which means villages Number One and Number Eight of Tambon Chorakhe Yai, Amphoe Bang Pla Ma.

The four remaining villages are located in a transplanted rice area of Amphoe Sri Prachan. They are abbreviated as SS-1 and SS-2 for Amphoe Sri Prachan, Tambon Sri Prachan, Villages one and two and SW-3 and SW-6 for Amphoe Sri Prachan, Tambon Wang Yang, Villages three and six.

The same sample farms were used throughout the survey with a few minor exceptions. Not all information was gathered for each season. For example, the family information of Table I was gathered only in the wet seasons, not in the dry. All farms were prevailing rice growing with only small plantings of vegetables or other crops for home consumption.

The high yielding varieties (HYV), identified in the sample area were RD-1, RD-3 and C4-63. All other varieties are referred to as traditional varieties (TV).

The purpose of these Summary Tables is to provide interested parties with certain basic data from the project at an early date. Subsequent analyses and publications will be published by the Departments of Agricultural Economics at Kasetsart University and Cornell University.

The authors would like to thank the many individuals and agencies who assisted in the collection of this data.

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Table 1: Farm Family Information, Wet Season 1970

Item.	No. Families Sampled	Total Fam. Members	Ave. No.						Ave. No.		Ave. Family Size
			0-13 yrs		14-60 yrs		60+ yrs		male	female	
			male	female	male	female	male	female	male	female	
<u>Broadcasted</u>											
Rice Villages BC-1	19	122	1.3	1.4	1.4	1.9	0.3	0.2	3.0	3.5	6.4
BC-8	21	131	1.4	1.4	1.6	1.7	0.2	0.2	3.2	3.3	6.6
Total	40	253	1.4	1.4	1.5	1.8	0.2	0.2	3.1	3.4	6.5
<u>Transplanted</u>											
Rice Villages SS-1	23	154	0.7	1.1	2.1	2.3	0.3	0.2	3.1	3.6	6.7
SS-2	21	139	1.1	1.3	1.5	2.0	0.3	0.3	3.0	3.7	6.6
SW-3	24	154	0.9	0.9	2.0	2.0	0.1	0.4	3.1	3.3	6.4
SW-6	25	165	1.4	1.3	1.6	2.0	0.1	0.1	3.1	3.5	6.6
Total	93	612	1.0	1.2	1.8	2.1	0.2	0.2	3.1	3.5	6.6
Grand Total	133	853	1.2	1.3	1.6	2.0	0.2	0.2	3.1	3.4	6.6

Table 2: Farm Size Distribution, Wet Season 1970

Item	Total No. Farms	< 20 Rai		20-39.9 Rai		> 40 Rai		Ave. Farm Size	Range Smallest-Largest
		No.	%	No.	%	No.	%		
<b>Broadasted</b>									
<b>Rice Villages</b>									
BC-1	19	6	31.6	9	47.4	4	21.0	62.4	1-367
BC-8	21	6	28.6	8	38.1	7	33.3	35.9	10-88
Total & Average	40	12	30.0	17	42.5	11	27.5	48.4	1-367
<b>Transplanted</b>									
<b>Rice Villages</b>									
SS-1	23	4	17.4	11	47.8	8	34.8	34.1	5-79
SS-2	21	4	19.0	12	57.1	5	23.8	30.9	7-60
SW-3	24	5	20.8	14	58.3	5	20.8	31.0	5-71
SW-6	25	7	28.0	14	56.0	4	16.0	27.4	1-48
Total	93	20	21.5	51	54.8	22	23.7	30.8	1-79
Grand Total	133	32	24.1	68	51.1	33	24.8	36.1	1-367

Note: Areas given are for area planted to rice.

Table 3: Planted Area, Dry Season 1971

Item	No. Farms Sampled	No. Growing Dry Season Rice	Planted Area HYV Rai	Planted Area TV Rai	Total Area Planted Rai	Ave. Per Farm Growing Rai
Broadcasted						
Rice Villages						
BC-1	19	0	-	-	-	-
BC-8	21	0	-	-	-	-
Total	40	0	-	-	-	-
Transplanted						
Rice Villages						
SS-1	23	10	33	-	33	3.3
SS-2	21	6	43	-	43	7.2
SW-3	25	22	118	-	118	5.4
SW-6	26	23	320	42	362	15.7
Total	95	61	514	42	556	9.1

Table 4: Land Ownership Information, Wet Season 1970

Item	Total No. Farms	Total Rice Land Farmed	Total Rice Land Owned	No. Farms Renting In	Total Land Rented In	No. Farms Renting Out	Total Land Rented Out
Broadcasted							
Rice Villages							
BC-1	19	1,185	724	13	480	1	20
BC-2	21	735	299	17	512	2	58
Total	40	1,938	1,023	30	992	3	78
Transplanted							
Rice Villages							
SS-1	23	785	595	16	298	3	108
SS-2	21	649	656	9	134	6	141
SW-3	24	743	393	18	400	1	50
SW-6	25	684	453	19	296	4	65
Total	93	2,861	2,097	62	1,128	14	364
Grand Total	133	4,799	3,120	92	2,120	17	442

Table 5: Land Tenure Information, Wet Season 1970.

Iter.	Total No. Farms	All Land Owned		Rent < ½ Land		Rent ≥ ½ Land		All Land Rented		
		No. Farms	%	No. Farms	%	No. Farms	%	No. Farms	%	
Broadcasted										
Rice Villages										
BC-1	19	6	31.6	5	26.3	4	21.0	4	21.0	
BC-8	21	4	19.0	2	9.5	11	52.4	4	19.0	
Total	40	10	25.0	7	17.5	15	37.5	8	20.0	
Transplanted										
Rice Villages										
SS-1	23	7	30.4	7	30.4	7	30.4	2	8.7	
SS-2	21	12	57.1	4	19.0	3	14.3	2	9.5	
SW-3	24	6	25.0	6	25.0	8	33.3	4	16.7	
SW-6	25	6	24.0	8	32.0	6	24.0	5	20.0	
Total	93	31	33.3	25	26.9	24	25.8	13	14.0	
Grand Total	133	41	30.8	32	24.1	39	29.3	21	15.8	

Table 6:

Rental Terms, Wet Season 1970.

Item	Total No. Farms	Farms Renting Land		Cash Rent		Percent Share		Fixed Share		Combination		Other*	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
<b>Broadcasted</b>													
<b>Rice Villages</b>													
BC-1	19	13	68.4	5	38.5	2	10.5	3	15.8	-	-	3	15.8
BC-8	21	17	81.0	5	29.4	-	0.0	7	41.2	3	14.3	3	14.3
Total	40	30	75.0	10	33.3	2	6.7	10	33.3	3	10.0	6	20.0
<b>Transplanted</b>													
<b>Rice Villages</b>													
SS-1	23	16	69.6	2	12.5	1	6.2	9	56.2	2	12.5	2	12.5
SS-2	21	9	42.9	-	0.0	2	22.2	6	66.7	1	11.1	-	0.0
SW-3	24	18	75.0	2	11.1	-	0.0	11	61.1	1	5.6	4	22.2
SW-6	25	19	76.0	5	26.3	3	15.8	7	36.8	2	10.5	2	10.5
Total	93	62	66.7	9	14.5	6	9.7	33	53.2	9	14.5	8	12.9
Grand Total	133	91	68.4	19	20.9	8	8.8	43	47.2	12	13.2	14	15.4

\* Other includes no observation.

**Note:**

Percent share areas a given share such as 40% or 50% of crop goes to landlord, while fixed share areas a fixed volume of rice such as 15 or 20 teng per rai give to landlord.

Table 7:

Livestock Inventory, Average Number per Farm as of April 1971.

Item	Total Farms	Buffalo		Cattle		Chickens		Pigs		Ducks		Geese	
		%Farms Having	Ave. No.	%Farms Having	Ave. No.	%Farms Having	Ave. No.	%Farms Having	Ave. No.	%Farms Having	Ave. No.	%Farms Having	Ave. No.
<b>Broadcasted</b>													
<b>Rice Villages</b>													
BC-1	19	3	5.7	1	7.0	11	27.5	5	9.4	5	8.2	1	2.0
BC-8	21	12	1.7	0	-	20	21.2	12	3.2	5	8.2	1	20.0
<b>Total</b>	<b>40</b>	<b>15</b>	<b>2.5</b>	<b>1</b>	<b>7.0</b>	<b>31</b>	<b>23.4</b>	<b>17</b>	<b>5.0</b>	<b>10</b>	<b>8.2</b>	<b>2</b>	<b>11.0</b>
<b>Transplanted</b>													
<b>Rice Villages</b>													
SS-1	23	21	2.8	0	-	22	28.2	11	10.2	7	5.1	0	-
SS-2	21	18	2.4	1	8.0	15	19.7	6	4.0	10	5.8	0	-
SW-3	24	22	4.1	0	-	22	20.1	9	1.7	12	8.5	0	-
SW-6	25	16	3.3	0	-	24	24.4	7	8.7	11	10.2	1	5.0
<b>Total</b>	<b>93</b>	<b>77</b>	<b>3.2</b>	<b>1</b>	<b>8.0</b>	<b>83</b>	<b>23.4</b>	<b>33</b>	<b>6.4</b>	<b>40</b>	<b>7.7</b>	<b>1</b>	<b>5.0</b>
<b>Grand Total</b>	<b>133</b>	<b>92</b>	<b>3.1</b>	<b>2</b>	<b>7.5</b>	<b>114</b>	<b>23.4</b>	<b>50</b>	<b>6.0</b>	<b>50</b>	<b>7.8</b>	<b>3</b>	<b>9.0</b>

**Note:**

Average number is average per farm having livestock.

Table 8: Equipment Inventory as of April 1971.

Item	No. Farms		No. Farms Having		Ave. No. Per Farm*	
	B.C.	T.P.	B.C.	T.P.	B.C.	T.P.
Tractor-4w	40	93	2	0	1.0	0.0
Tractor-2w	"	"	00	00	0.0	0.0
Puddler (mech.)	"	"	0	0	0.0	0.0
Truck	"	"	0	3	0.0	1.0
Water Pump	"	"	12	66	1.2	1.1
Noria	"	"	0	32	0.0	1.1
Motor of any kind	"	"	1	2	3.0	1.0
Trallor	"	"	2	0	1.0	0.0
Plow	"	"	29	89	2.8	2.4
Harrow	"	"	8	85	1.5	1.0
Puddler	"	"	0	0	0.0	0.0
Hand Sickle	"	"	39	93	3.1	3.6
Hoes	"	"	22	91	1.3	1.4
Shovels	"	"	32	88	3.0	1.4
Spades	"	"	35	93	2.5	2.3
Cart	"	"	25	12	1.7	1.3
Boat	"	"	23	18	2.7	1.2
Threshing Basket	"	"	0	56	0.0	1.4
Storage & Misc. Baskets	"	"	0	93	0.0	6.2
Sprayer	"	"	6	56	1.3	1.1
Winnower	"	"	9	0	1.0	0.0
Hand Thresher	"	"	0	18	0.0	1.0
Tent	"	"	0	13	0.0	1.0

\*Average number per farm having.

Table 9: Rice Varieties Grown, Wet Season 1970.

Broadcasted Rice Villages	<u>Variety</u>	<u>Area (rai)</u>	<u>% of Total B.C. Area</u>
	Hom Tong	716	36.9
	Khao Met Lek	137	7.1
	Khao Puang	52	2.7
	Khao Look Ka	179	9.2
	Mali Tong	166	8.6
	Nakorn Kan	120	6.2
	Other	568	29.3
	Total	1,938	100.0
Transplanted Rice Villages	<u>Variety</u>	<u>Area (rai)</u>	<u>% of Total T.P. Area</u>
	RD-1	187	6.5
	RD-3	2	0.0
	C4-63	93	3.2
	Mixed HYV & TV	276	9.6
	Kon Gaew	840	29.4
	Sam Ruang	134	4.7
	Frayachom	270	9.4
	Khao Lod Chong	146	5.1
	Khao Prachuab	476	16.6
	Others	437	15.3
	Total	2,861	99.8

Table 10: Rice Varieties Grown, Dry Season 1971

Broadcasted Rice Villages

--- No dry season broadcasted rice ---

Transplanted Rice Villages

<u>Variety</u>	<u>Area (rai)</u>	<u>% of Total T.C. Area</u>
RD-1	346	62.2
RD-3	14	2.5
04-63	154	27.7
Leang Tong	42	7.6
Total	556	100.0

Table II: Seeding Rates, Wet Season 1970.

		<u>Traditional Varieties (Tang/rai)</u>	
Broadcasted Rice Villages BC-1		2.7	
BC-8		2.7	
Average		2.7	
		<u>Traditional Varieties (Tang/rai)</u>	<u>High Yielding Varieties (Teng/rai)</u>
Transplanted Rice Villages SS-1		0.8	0.7
SS-2		0.7	0.7
SW-3		0.7	0.6
SW-6		0.6	0.6
Average		0.7	0.65

Table 12: Seeding Rates, Dry Season 1971

		<u>Traditional Varieties (Tang/rai)</u>	
Broadcasted Rice Villages	BC-1	No Dry Season Rice	
	BC-8		
	Average		
		<u>Traditional Varieties (Tang/rai)</u>	<u>High Yielding Varieties (Tang/rai)</u>
Transplanted Rice Villages	SS-1		0.9
	SS-2	(No obs.)	0.8
	SW-3		0.7
	SW-6		0.8
	Average		0.8

Table 13:

Source of Seed, Wet Season 1970.

Item	No. Farms	Retained from Prev. Season		Exchange		Purchased		Ave. Price if Purchased (₱ /tang)	
		No. Farms	%	No. Farms	%	No. Farms	%		
<b>Broadcasted</b>									
<b>Rice Villages</b>									
BC-1	19	18	94.7	-	-	1	5.3	10	
BC-8	21	21	100.0	-	-	-	-	-	
Total	40	39	97.5	-	-	1	2.5	10	
<b>Transplanted</b>									
Item	No. Farms	Traditional Varieties				High Yielding Varieties			
		Retained from Previous Season %	Exchange %	Purchased %	Ave. Price if Purchased ₱/ Tang	Retained from Previous Season %	Exchange %	Purchased %	Ave. Price Purchased ₱/ Tang
<b>Rice Villages</b>									
SS-1	23	78.9	-	21.1	13	28.6	57.1	14.3	12
SS-2	21	100.0	-	-	-	50.0	-	50.0	15
SW-3	24	95.5	-	4.5	10	68.8	-	31.2	14
SW-6	25	90.5	4.8	4.8	11	65.0	-	35.0	15
Total	93	91.2	1.2	7.5	12	60.0	8.9	31.1	14

Table 14:

Source of Seed, Dry Season 1971.

Item	No. Farms	Retained from Prev. Season		Exchange		Purchased		Ave. Price if Purchased																																																																																									
		No. Farms	%	No. Farms	%	No. Farms	%	(฿ /tang)																																																																																									
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<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Item</th> <th rowspan="2">No. Farms</th> <th colspan="3">Traditional Varieties</th> <th colspan="5">High Yielding Varieties</th> </tr> <tr> <th>Retained from Previous Season %</th> <th>Exchange %</th> <th>Purchased %</th> <th>Ave. Price if Purchased ฿/Tang</th> <th>Retained from Previous Season %</th> <th>Exchange %</th> <th>Purchased %</th> <th>Ave. Price if Purchased Baht</th> </tr> </thead> <tbody> <tr> <td colspan="10">Transplanted</td> </tr> <tr> <td colspan="10">Rice Villages</td> </tr> <tr> <td>SS-1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>75.0</td> <td>-</td> <td>25.0</td> <td>10</td> </tr> <tr> <td>SS-2</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>50.0</td> <td>-</td> <td>50.0</td> <td>10</td> </tr> <tr> <td>SW-3</td> <td></td> <td colspan="3">(No obs.)</td> <td></td> <td>90.9</td> <td>-</td> <td>9.1</td> <td>10</td> </tr> <tr> <td>SW-6</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>85.7</td> <td>-</td> <td>14.3</td> <td>10</td> </tr> <tr> <td>Average</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>75.4</td> <td>-</td> <td>24.6</td> <td>10</td> </tr> </tbody> </table>										Item	No. Farms	Traditional Varieties			High Yielding Varieties					Retained from Previous Season %	Exchange %	Purchased %	Ave. Price if Purchased ฿/Tang	Retained from Previous Season %	Exchange %	Purchased %	Ave. Price if Purchased Baht	Transplanted										Rice Villages										SS-1						75.0	-	25.0	10	SS-2						50.0	-	50.0	10	SW-3		(No obs.)				90.9	-	9.1	10	SW-6						85.7	-	14.3	10	Average						75.4	-	24.6	10
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Table 15: Labor Expenses, Wet Season 1970.

Item	Land Preparation		Plant and Grow		Harvest	
	Baht/rai	Baht/Kwien	Baht/rai	Baht/Kwien	Baht/rai	Baht/Kwien
<b>Broadcasted Rice Villages</b>						
BC-1	-	-	-	-	37.45	98.34
BC-8	-	-	-	-	28.51	80.54
Average	-	-	-	-	34.05	91.75
<b>Transplanted Rice Villages</b>						
SS-1	-	-	17.92	46.07	18.98	48.80
SS-2	-	-	28.44	80.15	29.88	84.21
SW-3	-	-	18.63	54.50	11.95	34.96
SW-6	-	-	27.15	69.36	34.50	88.11
Average	-	-	22.74	61.64	23.28	63.18

Table 16: Labor Expenses, Dry Season 1971.

Item	Land Preparation		Plant and Grow		Harvest	
	Baht/rai	Baht/Kwien	Baht/rai	Baht/Kwien	Baht/rai	Baht/kwien
<b>Broadcasted Rice Villages</b>						
BC-1						
BC-8			- No broadcasted rice in dry season -			
Average						
<b>Transplanted Rice Villages</b>						
SS-1	-	-	11.81	21.80	26.42	48.74
SS-2	-	-	19.55	37.76	15.32	29.59
SW-3	-	-	21.65	47.77	27.49	60.63
SW-6	-	-	32.30	66.08	50.63	103.55
Average	-	-	27.85	57.19	41.54	85.36

Table 17: Tractor Hire, Wet Season 1970.

Item	No. Farmers	No. Farms Hiring Tractor*	No. Farms Hiring Tractor For:			
			Plow	Carry	Thresh	Other
Broadcasted Rice						
Villages						
BC-1	19	18	18	15	17	-
BC-8	21	19	19	13	19	-
Total	40	37	37	28	36	-
Transplanted Rice						
Villages						
SS-1	23	9	7	5	2	-
SS-2	21	1	1	-	-	-
SW-3	24	2	-	-	2	-
SW-6	25	13	4	1	11	-
Total	93	25	12	6	15	-
Grand Total	133	62	49	34	51	-

\* or own tractor.

Table 18: Tractor Hire, Dry Season 1971

Item	No. Farmers	No. Farms Hiring Tractor	No. Farms Hiring Tractor For:			
			Plow	Carry	Thresh	Other
<b>Broadcasted Rice</b>						
<b>Villages</b>						
BC-1						
BC-8		- No dry season broadcasted rice -				
<b>Total</b>						
<b>Transplanted Rice</b>						
<b>Villages</b>						
SS-1	10	2	2	-	-	1
SS-2	6	0	-	-	-	-
SW-3	22	3	2	-	1	-
SW-6	23	12	11	2	1	-
<b>Total</b>	<b>61</b>	<b>17</b>	<b>14</b>	<b>2</b>	<b>2</b>	<b>1</b>

Table 19: Rates for Hire: Labor, Machine and Animal, Wet Season 1970.

Item	Unit	Most Common Charge Baht	Range Baht
<b>Broadcasted Area Activity</b>			
Labor for:			
Broadcasting	per rai	2	
Harvest	per 100 bundles	125	120-130
Carry bundles	per 100 bundles	8	5-10
Tractor:			
1st plow	per rai	13	10-15
2nd plow	per rai	10	10-11
Carry bundles	per 100 bundles	20-25	10-30
Thresh	per 100 bundles	12	10-15
<b>Transplanted Area Activity</b>			
Labor for:			
Pulling seedings	per 100 bundles	10-12	7-15
Transplanting	per day	10	7-15
Weeding	per day	8	7-10
Harvesting	per day	12	8-15
Threshing basket	per day	20	20-25
Tractor:			
Plow	per rai	18	15-20
Thresh	per 100 bundles	10	10-15
Puddler	per rai	24	20-29

Table 20: Rates for Hire: Labor, Machine and Animal, Dry Season 1971.

Item	Unit	<u>Most Common Charge</u> Baht	<u>Range</u> Baht
Transplanted Area Activity			
Labor for:			
Pulling seedings	per 100 bundles	10	8-15
Transplanting	per day	8	6-12
Weeding	per day	8,10	8-10
Harvesting	per day	10	8-12
Threshing basket	per day	20	20
Tractor:			
Plow	per rai	20	18-29
Thresh	per bundle	0.10	0.10-0.12
Puddler	per rai	25	20-35

Table 21: Fertilizer Use, Wet Season 1970.

Item	No. Farmers In Sample	Farms Using Fert.		Area In Sample	Area Fert. Applied	
	No.	No.	%	Rai	Rai	%
<b>Broadcasted Rice Villages</b>						
BC-1	19	1	5.3	1,185	36	3.0
BC-8	21	5	23.8	753	259	34.4
Total	40	6	15.0	1,938	295	15.2
<b>Transplanted Rice Villages</b>						
SS-1	23	19	82.6	785	583	74.3
SS-2	21	15	71.4	649	469	72.3
SW-3	24	23	95.8	743	453	61.0
SW-6	25	24	96.0	684	609	89.0
Total	93	81	87.1	2,861	2,114	73.9
Grand Total/Average	133	87	65.4	4,799	2,409	50.2

Table 22: Fertilizer Use, Dry Season 1971.

Item	No. Farmers in Sample		Farms Using Fert.		Area in Sample		Area Fert. Applied	
	No.	No.	No.	%	Rai	Rai	%	
Transplanted Rice Villages								
SS-1	10		9	90.0	33	31	93.9	
SS-2	6		6	100.0	43	43	100.0	
SW-3	22		22	100.0	118	118	100.0	
SW-6	23		23	100.0	362	350	96.7	
Total	61		60	98.4	556	542	97.5	

Table 23: Pesticide Use, Wet Season 1970.

Item	No. Farms in Sample No.	Farms Using Pesticide No.	%	Rice Area in Sample rai	Area Pesticide Applied rai	%
<b>Broadcasted Rice Villages</b>						
BC-1	19	1	5.3	1,185	36	3.0
BC-8	21	5	23.8	753	218	29.0
Total	40	6	15.0	1,938	254	13.1
<b>Transplanted Rice Villages</b>						
SS-1	23	22	95.6	785	726	92.5
SS-2	21	21	100.0	649	649	100.0
SW-3	24	23	95.8	743	687	92.5
SW-6	25	18	72.0	684	477	69.7
Total	93	84	90.3	2,861	2,546	89.0
Grand Total/ave.	133	90	67.7	4,799	2,800	58.3

Table 24: Pesticide Use, Dry Season 1971.

Item	No. Farms in Sample No.	Farms Using Pesticide No.	%	Rice Area in Sample rai	Area Pesticide Applied rai	%
<b>Transplanted Rice Villages</b>						
SS-1	10	6	60.0	33	23	69.7
SS-2	6	4	66.6	43	32	74.4
SW-3	22	1	4.5	118	3	2.5
SW-6	23	12	52.2	362	208	57.4
Total	61	23	37.7	556	266	47.8

Table 25: Weedicide Use, Wet Season 1970.

Item	No. Farms in Sample No.	Farms Using Weedicide No.	%	Rice Area in Sample rai	Area Weedicide Applied rai	%
<b>Broadcasted Rice Villages</b>						
BC-1	19	18	94.7	1,185	1,149	97.0
BC-8	21	20	95.2	753	735	97.6
Total	40	38	95.0	1,938	1,884	97.2
<b>Transplanted Rice Villages</b>						
SS-1	23	2	8.7	785	90	11.5
SS-2	21	1	4.8	649	60	9.2
SW-3	24	11	45.8	743	294	39.6
SW-6	25	5	20.0	684	147	21.5
Total	93	19	20.4	2,861	591	20.6
Grand Total/ave.	133	57	42.8	4,799	2,475	51.6

Table 26: Weedicide Use, Dry Season 1971.

Item	No. Farms in Sample No.	Farms Using Weedicide No.	%	Rice Area in Sample rai	Area Weedicide Applied rai	%
<b>Transplanted Rice Villages</b>						
SS-1	10	-	0.0	33	-	0.0
SS-2	6	3	50.0	43	20	46.5
SW-3	22	-	0.0	118	-	0.0
SW-6	23	4	17.4	362	51	14.1
Total	61	7	11.5	556	71	12.8