

11.2 Participatory Approach in the Pilot Project

11.2.2 Post Evaluation Survey for the Pilot Project

December 2004

Japan International Cooperation Agency (JICA)

Royal Irrigation Department (RID)

Study on Application of Participatory Planning

In Rural and Agriculture Development Project

In the Lam Pa Chi River Basin

Post Evaluation Survey

For the Pilot Projects

December 2004

Accepted 27/01/05

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OUTCOMES OF THE POST EVALUATION SURVEYS

1. Survey Area

The field survey was conducted in two villages of two Tambons (Sub-Districts) of Ratchaburi and Kanchanaburi Provinces. Those areas are:

- Ban Nong Chok (village No.4), Tambon Nong Phan Chan, Ban Kha Minor District of Ratchaburi Province, and
- Ban Tha Phayom (village No.4), Tambon Nong Phai, Dan Ma Kham Tia District of Kanchanaburi Province.

2. Target Group and Number of Samples

The field survey activities were based on the questionnaires as shown in Appendix A, covering two different target groups; direct beneficiary households of the pilot project and possible future beneficiary households (or nearby households) in the same village. The total number of sample is 76; more details are in Table 2-1 whereas the name list of respondents is given in Appendix B.

Table 2-1 Number of Samples Based on Each Selected Province

Province	Village's Name	Number of Samples		
		Direct Beneficiaries	Nearby Households	Total
Ratchaburi	Ban Nong Chok	18	27	45
Kanchanaburi	Ban Tha Phayom	18	13	31
Total		36	40	76

3. Survey Period

The survey was conducted during 5-12 November 2004.

4. Results of Field Survey

4.1 Ban Nong Chok

(1) General Characteristic of the Respondents

Among 45 respondents, 68.9 percent of them are married and the remaining are widow/divorce and single (17.8 and 13.3 percent respectively). The sex ratio of the respondents is 44.4 to 55.6 (female to male).

The average age of the respondents is 51.6 years old. The average age of the direct beneficiaries is 54.4 while the one of the future beneficiaries is 49.8 years old. 66.7 percent of the respondents are family heads and 33.3 percent of them are family members.

71.1 percent of the respondents have completed primary school. The remains are illiterate, have completed pre-primary school and secondary school (13.3, 8.9 and 6.7 percent respectively)

95.6 percent of the respondents are farmers and the remaining 2.2 percent of them work as general labor and another 2.2 percent is hair - dresser. (See more details in Appendix C and Table 1).

(2) Family Structure of the Respondents

The total family members from 45 respondents are 162. The average family size is 3.6. Sex ratio between male to female is 48.8 to 51.2. The average age of the family members is 33.5 years old. 59.9 percent of the members are farmers while 16.0 percent are students. The remaining 11.1 percent work in factories. (See more details in Appendix C and Table 2).

(3) Family Assets

The respondents in Ban Nong Chok own the following assets.

- Sedan car: two households (4.4%) have cars.
- Pickup truck: 51.1 percent has a pickup truck.
- Motorcycle: Majority of them own motorcycles (88.9%).
- House: Most of them have their own house (84.5%), the remaining 15.6 percent live with their parents.
- Land holding: Majority of them (51.1%) are the right owners with Por-Bor-Tor 5, the remains are Sor-Por-Kor 4-01 (20.0%) and others. The average size of Por-Bor-Tor 5 and Sor-Por-Kor 4-01 are 19.7 rai and 18.7 rai respectively.

For other family assets e.g. TV, CD/stereo, refrigerator and agricultural machine and equipment, see more details in Appendix C and Table 3.

(4) Land Holding

Land holding size of the households on average is 21.8 rai/HH. 33.3% of the total household hold the size of 11-20 rai/HH, then followed between the size of up to 10 rai/HH and 21-30 rai/HH (24.4 and 22.2 percent respectively), Land use can be classified as follows.

1. Housing, the average size of the area for housing is 1.1 rai. There are 28.9 percent of the respondents who do not own their house.
2. The average agricultural land for each family is 17.1 rai. There are 11.1 percent of the respondents have no land for agriculture.
3. The average pasture area per household is 1.6 rai. Only 13.3 percent of the respondents own the pasture.
4. The average size of fish pond is 0.3 rai. There are only 24.6 percent of the respondents own fish pond.
5. There is only one respondent or 2.2 percent who owns dry floor area.

6. 15.6 percent of the respondents lease out their land to others at 1.6 rai on average. (See more details in Appendix C and Table 4).

(5) Agricultural Data/Information

Two main crops are cultivated in the area namely; sugarcane and pineapple. Details on each crop are as follows.

5.1 Sugarcane

40.0 percent of the respondents grow sugarcane. The average size of their field is 15.1 rai. Some respondents grow in the irrigated area at 4.3 rai on average. The varieties being planted are 92-80, K20 and K90. The average sugarcane productivity lies between 8.0– 12.0 ton per rai in rainfed and irrigated area respectively..

5.2 Pineapple

Approximately 73.3 percent of the respondents grow pineapple. The average size of pineapple field is 14.5 rai. The average size of pineapple field in rainfed area is 14.8 rai with the average yield of 6.5 tons per rai. The respondents also grow average four rai in irrigated area. The most popular cultivated variety is Pattawia variety and Black eyes/Ta Dam variety (30.3 and 3.0 percent respectively). 66.7 percent of the respondents do not remember names of the varieties.

5.3 Maize

There is only one farmer who grows three rai of maize with local variety in the rainfed area. (See more details in Appendix C and Table 5).

(6) Serious Agricultural Problems Required Agricultural Extension

Serious agricultural problems being encountered by the interviewees are listed with the first three priorities. The most serious problems of the farmers are high cost of fertilizer, lack of budget to buy inputs and insufficient of water. Those occupy different proportions as follows:

- The first / most serious problem
 - High price of chemical fertilizer 37.8 %
 - Lack of investment cost 13.3 %
 - Insufficient water for cultivation 13.3 %
 - Low price of production/low income 11.1%
 - High price of input cost 11.1%
- The second serious problem
 - Insufficient water for cultivation 40.0%
 - High price of chemical fertilizer 13.3%
 - Lack of investment cost 11.1%
 - Low yield 8.9%
 - High price of insecticide 6.7%

- The third serious problem
 - Low price of product 20.0 %
 - High price of inputs 11.1 %
 - Lack of investment cost 6.7 %
 - High price of insecticide 2.2 %
 - Insufficient water for cultivation 2.2 %

There are three main needs for agricultural extension. They are 1) support of revolving fund, 2) sufficient water for agriculture and 3) lower price of chemical fertilizer.

- The first priority need
 - Revolving fund for agriculture 26.7 %
 - Sufficient water for agriculture 17.8 %
 - Lower cost of chemical fertilizer 11.1 %
 - Crop Price guarantee 8.9 %
 - Marketing 4.4 %
- The second priority need
 - Lower cost of chemical fertilizer 13.3 %
 - Sufficient water for agriculture 13.3 %
 - Revolving fund for agriculture 11.1 %
 - Lower cost of insecticide 6.7 %
 - Compost making 6.7 %
- The third priority need
 - Sufficient water for agriculture 6.7%
 - Crop Price guarantee 6.7%
 - Lower cost of chemical fertilizer 4.4%
 - Marketing 4.4%
 - Soft loan 2.2%

(See more details in Appendix C and Table 6).

(7) Diversified Crop Incase of Increasing More Water Supply for Cultivation

Base on the survey, two respondents like to increase their sugarcane production to cover 12.5 rai on average. The varieties are K 86, K92 and K Yellow. They also want to expand the area for pineapple production to cover 9.3 rai on average. There are some respondents who want to increase maize production at 2.0 rai on average.

The details of the areas to be transformed by diversifying the crops are presented in Appendix C and Table 7.

(8) Income and Expenditure of Household

8.1. Farm Income

The major incomes of the respondents from Ban Nong Chok are from pineapple and sugarcane. The average annual incomes and their sources are as follows.

Source of Income	Direct Beneficiary	Possible Beneficiary
Sugarcane Production	50,966.7	52,500.0
Pineapple Production	63,500.0	72,200.0
Cattle Raising	80,000.0	67,000.0
Asparagus	8,000.0	4,000.0
Vegetable Production	4,500.0	43,333.3

(See more details in Appendix C and Table 8.1 and Table 8.2).

8.2 Off -farm income

The off- farm income come from four sources of income namely, salary, income received from relatives, working in agricultural sector and working as general labor. The average annual income of the respondents per family is presented in the following table. (See more details in Appendix C and Table 8.2).

Source of Income	Direct Beneficiary	Possible Beneficiary
Salary	161,100.0	0
Received from Relatives	22,000.0	30,000.0
Work as labor in agriculture	10,000.0	13,333.3
General Labor	30,200.0	23,614.3

8.3 Debt

86.7 percent of the respondents are in debt while the remaining 13.3 percent are free from debt. The average debt is 78,186.7 baht. 51.3 percent have debt about 50,001-100,000 baht. 15.4 percent have debt between 100,001 –200,000 baht (See more details in Appendix C and Table 8.3).

8.4 Saving

Only 22.2 percent of the respondents have saving on average 7,856.4 baht per household. The direct beneficiaries have saving on average 6,101.7 Baht. The possible beneficiaries have saving on average 8,859.0 Baht. (See more details in Appendix C and Table 8.4).

(9) Provision/Buying of Production Inputs for Household

The respondents in Ban Nong Chok pay average 90,460.5 baht for farm input. The average input cost for sugarcane production is 56,497.1 baht annually. The highest expenditure is for transportation (18,973.8). The rests are breeding stock and chemical fertilizer (8,300.0 baht and 7,810.0 baht respectively). The pineapple growers pay average 94,503.5 baht annually per household for the inputs. Most of the expenditures are for seedling, chemical fertilizer and labor (28,293.3 baht, 13,440.0 baht and 12,930.0 baht respectively).

When looking closely at the expenditure on chemical fertilizer, insecticide, herbicide and rental fee of the tractor, it is clearly found that the direct beneficiaries pay lower cost of those inputs in comparison with the possible beneficiaries. The following table shows average expenditure of the direct and possible beneficiaries in growing different crops.

Source of Expenditure	Direct Beneficiaries	Possible Beneficiaries
Pineapple	94,367.6	98,200.2
Sugarcane	61,126.67	39,825.0
Vegetable	6,700.0	31,797.8

The average input cost for vegetable production is 22,508.3 baht annually. (See more details in Appendix C and Table 9).

(10) Agricultural Productivity Management

After harvesting sugarcane, ten farmers sell average 155.5 ton of sugarcane to the factories. The selling price is 578.0 baht per ton. Three of them also sell average 103.3 ton to middlemen at 480 baht per ton. 18 farmers sell average 22.6 tons of pineapple at average 3,944.7 baht per ton to the factories. Eight farmers sell average 17.9 ton to the middlemen. Other field crops like maize and cassava are sold to the factories as well. (See more details in Appendix C and tables 10).

(11) Evaluation and participation of groups

Most of the groups or agencies are evaluated as good performance. The three best groups are pineapple production group, housewife group and TTC. (See more details in Appendix C and tables 11.1).

The majority of respondents participate in pineapple production group, revolving fund and housewife group. (See more details in Appendix C and tables 11.2 and table 11.3).

4.2 Ban Tha Phayom

(1) General Characteristic of respondents

Among 31 respondents, 80.6 percent of them are married and the remaining are single and widow/divorce (12.9 and 6.5 percent respectively). The sex ratio of the respondents is 35.5 to 64.5 (female to male).

The average age of the respondents is 43.5 years old. The average age of the direct beneficiaries is 42.1 while the one of the future beneficiaries is 45.3 years old. Some 64.5 percent of the respondents are family heads while 35.5 percent of them are family members.

58.1 percent of the respondents have completed primary school. The remains have completed pre-primary school and secondary school (22.6 and 9.7 percent respectively).

87.1 percent of the respondents are farmers and the remaining respondents raise animal and work as labor (6.5 and 3.2 percent respectively). (See more details in Appendix C and Table 1).

(2) Family Structure of the Respondents

The total family members from 31 respondents are 130. The average family size is 4.2. Sex ratio between male and female is 51.5 to 48.5. The average age of the family members is 32.0 years old.

Most of the family members have completed secondary school (36.9 percent). The rest has completed primary school and high school (24.6 and 7.7 percent respectively).

54.6 percent of the respondents are farmers while 20.8 percent are the students. The remaining 7.7 percent work in factories. (See more details in Appendix C and Table 2).

(3) Family Assets

The respondents in Ban Nong Chok own the following assets.

- Sedan car : One household (3.2%) has a car.
- Pickup truck : 35.5 percent has a pickup truck.
- Motorcycle: Majority of them own motorcycles (96.8%).
- House : Most of them have their own house (74.2%), the remaining 25.8 percent live with their parents.
- Land holding : An average land is 18.9 rai per household. Majority of them (74.2%) are the right owners with Chanod, the remaining respondents hold Por-Bor-Tor 5 and Sor-Por-Kor 4-01 (12.9 and 6.5 percent respective) and others. The average size of the land under Sor-Por-Kor 4-01, Chanod and Por-Bor-Tor 5 is 35.0 rai, 15.9 rai and 13.5 rai respectively.

For other family assets e.g. TV, CD/stereo, refrigerator and agricultural machine and equipment, see more details in Appendix C and Table 3.

(4) Land Holding

Land holding size of the households on average is 16.9 rai/HH. 54.8% of the total household hold the size of 0-10 rai/HH, then followed between the size of 11-20 rai/HH and 31-40 rai/HH. (19.4 and 9.7 percent respectively). Land use can be classified as follows.

1. Housing, the average size of the area for housing is 0.8 rai. There are 38.7 percent of the respondent who do not own their house.
2. The average agricultural land for each family is 12.4 rai. There are 25.8 percent of the respondents have no land for agriculture.
3. The average pasture area per household is 2.8 rai. 19.4 percent of the respondents own the pasture.
4. The average size of fish pond is 0.2 rai. There are only 16.1 percent of the respondents own fish pond.
5. There is only one respondent or 3.2 percent of the respondent who owns drying floor area.
6. 16.1 percent of the respondent lease out their land to others at 1.7 rai on average.
7. There is one respondent leaves his land fallow.
8. There is one respondent uses the land for animal raising.

(See more details in Appendix C and Table 4).

(5) Agricultural Data/Information

The farmers cultivate in Ban Tha Phayom the diversified crops. The main/principal crops are sugarcane, sweet corn, baby corn and vegetables (such as asparagus, eggplant, long bean, and chili). The data of the main crop cultivation are summarized as follows.

5.1 Sugarcane

22.6 percent of the interviewees who plant sugarcane hold an average cultivated area of 32.9 rai/household. The average size of rainfed sugarcane area is 4.5 rai and 33.0 rai for irrigated. The average yield of irrigated sugarcane is 12.7 ton/rai and 10.0 ton/rai for rainfed. 28.6 percent of the sugarcane growers grow K92 variety. 14.3 percent of them grow K20 variety. 57.1 percent of the growers do not know the name of sugarcane varieties.

5.2 Pineapple

There is only one respondent grows 20.0 rai of pineapple in rainfed area with average yield of 5.0 ton/rai. The pineapple variety is Tadam.

5.3 Maize

There are six family or 19.4 percent grow maize with irrigation and rainfed. The average area is 3.0 rai in irrigated area and 1.5 rai in rainfed. The varieties cultivated in the area are Q18 and Pacific. The average yield of maize in rainfed and irrigated area are 1.2 ton/rai and 4.4 ton/rai respectively.

As for other crops, see more details in Appendix C and Table 5.

(6) Serious Agricultural Problems Required Agricultural Extension

The main problems of the respondents of Ban Tha Phayom are low price of product, lack of budget for investment and high cost of chemical fertilizer.

- The first / most serious problem
 - Low quality of soil 22.6 %
 - Crop Pest 12.9 %
 - Flood 12.9 %
 - Lack of budget for investment 6.5 %
 - High price of chemical fertilizer 3.2 %
- The second serious problem
 - Low price of product 12.9 %
 - High price of chemical fertilizer 9.7 %
 - Flood 6.5 %
 - High input cost 3.2 %
 - High price of insecticide 3.2 %
- The third serious problem
 - Low price of production 16.1 %
 - High price of chemical fertilizer 6.5 %
 - High price of inputs 6.5 %
 - High price of insecticide 3.2 %
 - Lack of budget for investment 3.2 %

Three major needs for agricultural extension are 1) revolving fund, 2) water for agriculture and 3) lower chemical fertilizer.

- The first priority need
 - Revolving fund 16.1 %
 - Water for agriculture 9.7 %
 - Soil improvement 9.7 %
 - Price guarantee of crop 6.5 %
 - Lower price for chemical fertilizer 6.5 %
- The second priority need
 - Price guarantee of crop 16.1 %
 - Lower price of chemical fertilizer 9.7 %
 - Revolving fund 9.7 %
 - Low price of insecticide 6.5 %

- Market 6.5 %
- The third priority need
 - Price guarantee of crop 12.9 %
 - Revolving fund 9.7 %
 - Market 6.5 %
 - Low price of insecticide 3.2 %
 - Compost 3.2 %

(See more details in Appendix C and Table 6).

(7) Diversified Crop In case of Increasing More Water Supply for Cultivation

After having irrigation water the respondents do not express clearly whether or not to increase areas of the existing crops except corn and vegetables. The respondents want to increase average 2.0 rai of corn, 3.3 rai of vegetables and 4.0 rai of pasture.

The details of the areas to be transformed by diversifying the crops are presented in Appendix C and Table 7.

(8) Income and Expenditure of Household

Farm Income

Major income sources of the respondents are cattle raising, corn production and vegetable production. The average income per family is presented in the following table.

Source of Income	Direct Beneficiaries	Possible Beneficiaries
Cattle Raising	117,500.0	56,666.7
Corn	43,833.3	30,000.0
Vegetable	36,457.1	20,000.0

(See more details in Appendix C and Table 8.1).

Off-farm income.

Four respondents work as labor and earn total income of 43,833.3 baht per year. There is one respondent receiving income from the relatives at 24,000.0 baht per year. (See more details in Appendix C and Table 8.2).

Debt

Regarding to the households' debt, it was found that 80.6 percent of the households have an average debt of 109,555.6 Baht/household. 24.0 percent of the in-debt

respondents have the debt between 50,001-100,000 baht and other 24.0 percent have the debt between 100,001-200,000 baht. (See more details in Appendix C and Table 8.3).

Saving

On the part of household saving, it was found that households of 48.4 percent have an average saving 6,101.7 Baht/household/year. (See more details in Appendix C and Table 8.4).

(9) Provision/Buying of Production Inputs for Household

The respondents in Ban Tha Phayom pay average 110,448.0 baht for farm inputs. The average input cost for sugarcane production is 76,545.0 baht annually. The highest expenditure is for transportation (35,040.0 baht). The rests are chemical fertilizer and labor (9,250.0 baht and 8,825.0 baht respectively).

The pineapple growers pay 14,500.0 baht annually per household for inputs. Most of the expenditures are for chemical fertilizer, insecticide and seedlings (6,100.0 baht, 3,433.3 baht and 2,000.0 baht respectively).

The average input costs for vegetable production is 70,160.7 baht annually. These expenditure are for insecticide and chemical fertilizer (17,533.3 and 17,263.1 baht respectively. (See more details in Appendix C and Table 9).

(10) Agricultural Productivity Management

After harvesting the products, the respondents sell sugarcane to the factories. The average sugarcane sold each year is 580.3 tons. The average selling price is 585.0 baht per ton. There are average 54.0 ton of pineapple sold to the factories and 17.0 ton sold to middlemen at 3,500.0 baht per ton. Vegetables are sold to middlemen (See more details in Appendix C and Table 10).

(11) Groups evaluation and participation

The respondents identify three main groups or agencies with good performance namely; water user group, livestock department and TTC. The three major groups in which the respondents participated are compost making group, baby corn production group and sweet corn. (See more details in Appendix C and Table 11.1-11.3).

4.3 Preliminary Analysis

1. Ban Nong Chok

- Since most of the respondents are the same farmers who were interviewed during the baseline survey, the basic information is similar.
- Three villagers, who were direct beneficiaries before the pilot project, were no longer the water user group members. One of them died because of his old age. Two farmers decided to use water from their own ponds.
- One more farmer owns sedan car.

- The most serious problem has been changed from insufficient water, low price of product and high price of inputs to high price of fertilizer, lack of budget to invest and insufficient water.
- The needs for agricultural extension have been changed from crop zoning, technical advice on animal husbandry and market to revolving fund, sufficient water and price reduction of chemical fertilizer.
- The performances of the groups and group participation were evaluated positively. Most of the respondents think that the groups and government agencies have performed well. Three major groups they participated are pineapple group, revolving fund and housewife group. It should be noted that the revolving fund activity was established during the project implementation. The other two are the existing groups before the project.
- It is observed that the incomes from pineapple production is lower than estimated. The average income from the questionnaire of pineapple is 76,625.0 baht. However, it is estimated that the farmers sell average 20.2 ton. The average price is 3,947.0 baht per ton. Therefore the estimated income is 79,729.4 or 3,104.4 baht higher.
- It is observed that the incomes from sugarcane production is lower than estimated. The result of the survey indicated that the sugarcane grower earn average 51,477.0 baht annually. However, the result of the survey also indicated that they sell average 155.5 ton at 578.0 baht per ton. That means they earn average 89,879.0 baht annually or 38,402.0 baht higher.

2. Ban Thaphayom

- The residents are the same with the previous survey. Therefore, the same family structures are found.
- The major problems of the respondents have been changed from low price of product, high price of input and flood to low quality of soil, low price of product and crop pest.
- The needs for extension have also been changed from technical advice on bio-technology, cattle raising and soil improvement to revolving fund, water for agriculture and lower price of chemical fertilizer.

APPENDIX A

QUESTIONNAIRE OF POST EVALUATION BASELINE SURVEYS

APPENDIX A

**Questionnaire of Post Evaluation for Baseline Survey for the Pilot Project
<household>**

No.

Date of Survey: _____ / _____ /2004, Time: from _____ : _____ to _____ : _____ .

Name of Surveyor: _____

Name of Muban: _____

1. Personal Data: *If a respondent is same as former baseline survey, not necessary to describe. from Item 1.2 to 1.6*

1.1 Name:		1.2 Marital status: Married / Single / Widow	
1.3 Age:	1.4 Sex: M / F	1.5 Occupation	
1.6 Highest degree:			
1. Illiterate, 2. Pre-primary, 3. Primary, 4. Lower Secondary (M1-M3),			
5. Secondary (M4-M6), 6. Vocational school, 7. University, 8. Others ()			

* "Illiterate" means those who cannot read and write.

2. Family Members: *If a respondent is sama as former baseline survey, not necessary to describe.*

2.1 Please list up all the family members staying with you at the same house.

No.	Relation with you	Sex (M/F)	Age	Highest degree or current education status	Occupation	Head of the family (check)
1	Yourself					
2						
3						
4						
5						
6						
7						

2.2 How many family members work away from home? (persons)

3. Family Assets: *If a respondent is sama as former baseline survey, not necessary to describe.*

3.1 What kinds of assets do you and your family members have?

No.	Items	Number
1	Sedan car	No
2	Pickup Truck	No
3	Motor Cycle	No
4	House	Rai
5	Land (Deeds)	Rai
6	Land (ALRO)	Rai
7	TV	No
8	(Others, specify)	
9		

4. Land Use

4.1 During the implementation of the Pilot Project, if you change the land use, please fulfill table below (2004)?

No.	Land Use	Rai
1	House	
2	Cropping	
3	Pasture	
4	Fish Pond	
5	Drying Floor	
6	Lease out to others	
7	Others ()	
Total		

5. Agriculture

5.1 After receiving the irrigation water what kind of crops do you cultivate now?

Major Crops	Planted area (rai)	Rain-fed		Irrigation		Varieties
		Rai	Average yield (ton/rai)	(Rai)	Average yield (ton/rai)	
Sugarcane						
Pineapple						
Maize						
Cassava						
Paddy						
Vegetables (list up names)						
Ornamentals						
Total						

5.2 What are the most serious problems on agriculture? Please list up three major problems.

1.
2.
3.

5.3 If you can receive extension services, what services do you want? Please list up (three at maximum).

1.
2.
3.

5.4 After receiving water, what crops and how many rai did you diversify?

Direct Beneficiary only be asked

Current crops	Area that you want/did to diversify (rai)	Crops that you want/did to plant newly	Varieties
Sugarcane			
Pineapple			
Maize			
Cassava			
Paddy			
Vegetables			
Ornamentals			
Total			

6. Agricultural Incomes and Expenditures

During the implementation of the Pilot Project, if agricultural income and expenditure are changed, please fulfill the table below.

6.1 Total Agricultural Incomes (you and your family members living with you)

Sources of Incomes	Annual Income (Baht)	Volumes Sold
a. Selling crops (list up crop names)		Total volume (tons) sold?
•		
•		
•		
•		
•		
•		
b. Selling livestock (list up livestock breeds)		Total heads. sold?
•		
•		
•		
c. Selling fish		kg
d. Selling forestry products (mushroom, wood, etc.)		kg
e. Earning as farm labor		Total days worked?
f. Agriculture-related business (what business?)		
g. Loan (list up loan sources)		Interest rates?
•		
•		
•		
•		
Total		

6.2 How much the average off-farm incomes of you and your family members are ?

Sources of Incomes	Annual Income (Baht)

6.3 Total Agricultural Expenditures (you and your family members living with you)

Items of Expenditures	Expenditures of Each Crop (Baht/year)					Remarks
	Sugarcane	Pineapple	Cassava	Vegetables	Ornamentals	
a. Crop production						
• Seeds, seedlings						
• Fertilizers						Total weight (kg)
• Pesticides						Total weight (kg)
• Herbicides						Total weight (kg)
• Machine rental fees						What machines?
• Machine repairing cost						
• Fuel costs						
• Hiring labor						How many a year?
• Transportation to markets						
• Irrigation water fees						
Total						
b. Loan Repayment (list up loan sources)						
•						
•						
•						
•						
Total						
c. Other agricultural activities – agri-business, livestock, etc. (list up all activities)						
•						
•						
•						
•						
Total						

6.4 How much the average total expenditures of you and your family members including agriculture and others are?

_____ Baht/year

6.5 Family Labor Estimate:

6.5.1 How many days a year you and your family work in your farm? _____ total man days

6.6 How much remaining dept do you have now? _____ Baht

6.7 Information on Savings

6.7.1 Do you have saving? (Yes / No)

6.7.2 How much can you save annually? _____ Baht/year

7. Marketing

7.1 During the implementation of the Pilot Project. how do you get agricultural inputs?

Inputs	Sources and Unit Costs (Baht/unit)			
	Factories	Middlemen	Shops	Others, specify
• Seedlings (sugarcane)	(I/G)	(I/G)	(I/G)	(I/G)
• Seedlings (pineapple)	(I/G)	(I/G)	(I/G)	(I/G)
• Seedlings (maize)	(I/G)	(I/G)	(I/G)	(I/G)
• Seedlings (cassava)	(I/G)	(I/G)	(I/G)	(I/G)
• Seedlings (vegetables)	(I/G)	(I/G)	(I/G)	(I/G)
• Seedlings (ornamentals)	(I/G)	(I/G)	(I/G)	(I/G)
• Fertilizers	(I/G)	(I/G)	(I/G)	(I/G)
• Pesticides	(I/G)	(I/G)	(I/G)	(I/G)
• Herbicides	(I/G)	(I/G)	(I/G)	(I/G)
• Machine rental	(I/G)	(I/G)	(I/G)	(I/G)
• Others (specify)	(I/G)	(I/G)	(I/G)	(I/G)
	(I/G)	(I/G)	(I/G)	(I/G)

* (I/G): Individually or by Group?

7.2 How do you use major crops?

Item	Home Consumption Volume (ton)	Keep as seeds Volume (ton)	Sell to:							
			Factory		Middlemen		Markets		Others, specify	
				Price		Price		Price		Price
			Volume (ton)	(Baht/ton)	Volume (ton)	(Baht/ton)	Volume (ton)	(Baht/ton)	Volume (ton)	(Baht/ton)
Crops										
Sugarcane				I/G		I/G		I/G		I/G
Pineapple				I/G		I/G		I/G		I/G
Maize				I/G		I/G		I/G		I/G
Cassava				I/G		I/G		I/G		I/G
Vegetable (list up)				I/G		I/G		I/G		I/G
Ornamentals				I/G		I/G		I/G		I/G
				I/G		I/G		I/G		I/G

8. Performance/Activity

What do you think the performance/activity of Groups or related agencies?

Groups/Agencies	Very good	Good	Bad	Remarks (mention the reasons)
WUG				
Pineapple Growers				
Sugarcane Growers				
Housewives Group				
RID/Study Team				
DOAE				
DOCP				
LDD				
DOL				
TTC				
TSG				
DOL				
TTC				
TSG				
Others				

9. Organization

What kind of organization did you participate in ?

Organization/Group	Yes/No	Remarks
TTC		
WUG		
Pineapple Grower		
Sugarcane Grower		
Housewives Group		
Others		

10. Activity

What kind of activity did you participate in ?

Activity	Yes/No	Remarks
A. Upper Huai Mahad Reservoir Project		
1. WUG fund is useful	Yes/No	
2. Participated in demonstration plots		
-Pineapple	Yes/NO	
-Sugarcane	Yes/No	
-Vegetables	Yes/No	
2. Training for		
-Improvement of qualities of pineapple & sugarcane	Pineapple/sugarcane	
-Improvement of selling prices of pineapple	Yes/No	
-Use of fertilizer & pesticides	Yes/No	
-Make & use of organic fertilizer	Yes/No	
-Water management & maintenance	Yes/No	
3. What kind of materials did you obtained by groups	Fertilizer/pesticides/herbicides/tractors	
4. Installation of Tertiary pipeline	Diameter/total length/cost	mm/ m/ bahts
5. Others		
B. Ban Thaphayom Weir Project		
1. WUG fund is useful	Yes/No	
2. Participated in demonstration plots		
-Baby Corn	Yes/No	
-Sweet Corn	Yes/No	
-Other Vegetable	Yes/No	
3. Compost making	How much compost was produced	Tons/ members
4. Training for		
-O & M of Pumping Irrigation System	Yes/No	
-Improvement of qualities & quantities of crops	Selling prices higher Yes/No Production crops higher Yes/No	
-Chemical free vegetable production	Organic vegetable group Was established Yes/No Production costs lower Yes/No Selling prices higher Yes/No	
-Artificial breeding of cow	Is cow feed produced Yes/No	
5. -Water management & maintenance	Yes/No	
6. Installation of Tertiary pipeline	Diameter/total length/cost	mm/ m/ bahts

Thank you very much for your cooperation.

APPENDIX B

NAMelist OF THE RESPONDENTS

APPENDIX B1
NAMELIST OF DIRECT BENEFICIARY HOUSEHOLD AT BAN NONG CHOK,
RATCHABURI PROVINCE

1. Mr. Chuen Waree Udom
2. Mr. Thaongyod Srirakham
3. Mrs. Khem Prasart
4. Mr. Ma Boon Khliang
5. Mr. Souy / Mrs. Wassana Buthnampeth
6. Mr. Sai Thongsri
7. Mr. Samrouy Boonkert
8. Mrs. Chamnian Saikaew
9. Mrs. Boonmee Saikaew
10. Ms. Boontham Boonkriang
11. Mrs. Wirat / Mrs. Juan Boonkriang
12. Mr. Boonchoo / Mr. La Saikaew
13. Mr. Lert Khrutnoi
14. Mr. Win Watpoung
15. Mrs. Chinda Roumsap
16. Mrs. Sunan Phetnoi
17. Ms. Sunee Phetnoi
18. Mrs. Thongyhu / Mr. Lob Jai-Sue

APPENDIX B2
NAMELIST OF POSSIBLE FUTURE BENEFICIARY HOUSEHOLD
(NEARBY HOUSEHOLD) AT BAN NONG CHOK,
RATCHABURI PROVINCE

1. Mr. Pean Chitsakul
2. Mr. Win Mornthong
3. Mrs. Nuan Phimpha
4. Mrs. Prung Waree-Udom
5. Mrs. Kosol Nak-Nakha
6. Mr. Boon Suan-Pleang
7. Mrs. Pin Noi-in
8. Mr. Prasert Jai-Sue
9. Mr. Sa-Nga Chinwongkhet
10. Mr. Prakob Puimpa
11. Mr. A-Nek Srinual
12. Mrs. Saipin Chitnarong
13. Mr. Prasith To-noi
14. Mrs Kaew Mingphotia
15. Mr. Sawaeng Boonkliang
16. Mrs. Champa Krinichit
17. Mrs. Wannee Boonkliang
18. Mrs. Saengdum Pungtaeng
19. Mrs. Tong Thong-on
20. Mrs. Somporn Boonkliang
21. Mrs. Siri Cherdop Kaew
22. Mr. Bua Sayan
23. Mr. Narong Bunkliang
24. Mr. Samnuan Jaisue

25. Mrs. Pranee Yimsa-nguan

26. Mr. Prajuab Puengtaeng

27. Mrs. Iam Kunchorn

APPENDIX B3
NAMELIST OF DIRECT BENEFICIARY HOUSEHOLD AT BAN THA PHAYOM
KANCHANABURI PROVINCE

1. Mr. Suthat Nuchnum
2. Mr. Nhoo A-nansuk
3. Mrs. Khamchad Phooban
4. Mrs. Chawee Rasri
5. Mr. Somwhang In-O-sang
6. Mr. Somyod lam-sang
7. Mr. Prasith Wisatesirkul
8. Mr. Na-ru-cha Saengsai
9. Mr. Precha Saengsai
10. Mr. Kitti Thaweemak
11. Mr. Somwhang Horm Pong
12. Mr. Samath Thammachong
13. Mrs. Sukhanda Taeng-on
14. Mr. Sook Buth-dee
15. Mrs. Khruue In-Kra-Sem
16. Mr. Rourm Kaew-Noi
17. Mrs. Suphin Kaew-noi
18. Mr. Phayong In-O-Soth

APPENDIX B4
NAMELIST OF FUTURE BENEFICIARY HOUSEHOLD
(NEARBY HOUSEHOLD) AT BAN THA PHAYOM,
KANCHANABURI PROVINCE

1. Mrs. Choosri In-O-Soth
2. Mr. Niwat In-O-Soth
3. Mrs. Sanran In-O-Soth
4. Mrs. Bang-On Sawaddee
5. Mrs. Pranorm Khunsombat
6. Mr. Whan Thongchab\
7. Mr. Somchai Sooksawad
8. Mr. Suchat Chabsri
9. Mr. Prasert Charoensook
10. Mr. Suraphon Sandaenthong
11. Mrs. Khanak Phrainoi
12. Mr. Peeraphong Phrainoi
13. Mrs. Wassana Deangsai

APPENDIX C

RESULT OF POST EVALUATION SURVEY

TABLE 1 General Characteristic of Respondents

Items	Ban NongChok						Ban Tha Phayom							
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total			
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%		
Number of Respondents	18	100.0	27	100.0	45	100.0	18	100.0	13	100.0	31	100.0	76	100.0
1. Marital Status														
- Married	9	50.0	22	81.5	31	68.9	14	77.8	11	84.6	25	80.6	56	73.7
- Single	3	16.7	3	11.1	6	13.3	4	22.2	0	0	4	12.9	10	13.2
- Widow / Divorced	6	33.3	2	7.4	8	17.8	0	0	2	15.4	2	6.5	10	13.2
2. Age (Year)														
- Lower than 20	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- 20 - 30	0	0	2	7.4	2	4.4	5	27.8	0	0	5	16.1	7	9.2
- 31-40	0	0	4	14.8	4	8.9	2	11.1	4	30.8	6	19.4	10	13.2
- 41-50	9	50.0	8	29.6	17	37.8	5	27.8	6	46.2	11	35.5	28	36.8
- 51-60	4	22.2	7	25.9	11	24.4	5	27.8	2	15.4	7	22.6	18	23.7
- Over 60	5	27.8	6	22.2	11	24.4	1	5.6	1	7.7	2	6.5	13	17.1
Average Age (year)	54.4		49.8		51.6		42.1		45.3		43.5		48.1	
3. Sex														
- Male	10	55.6	15	55.6	25	55.6	14	77.8	6	46.2	20	64.5	45	59.2
- Female	8	44.4	12	44.4	20	44.4	4	22.2	7	53.8	11	35.5	31	40.8
4. Household status														
- Head of household	14	77.8	16	59.3	30	66.7	11	61.1	9	69.2	20	64.5	50	65.8
- Spouse	4	22.2	11	40.7	15	33.3	7	38.9	4	30.8	11	35.5	26	34.2
- Son/daughter	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 1 General Characteristic of respondents (continued)

Items	Ban NongChok						Ban Tha Phayom						Total	
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total			
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Number of Respondents	18	100.0	27	100.0	45	100.0	18	100.0	13	100.0	31	100.0	76	100.0
5. Occupation														
- Farmer	17	94.4	26	96.3	43	95.6	16	88.9	12	92.3	28	90.3	71	93.4
- Labor	1	5.6	0	0	1	2.2	1	5.6	0	0	1	3.2	2	2.6
- Salon	0	0	1	3.7	1	2.2	0	0.0	0	0	0	0	1	1.3
- Animal Raising	0	0	0	0	0	0	1	5.6	1	7.7	2	6.5	2	2.6
6. Education														
- Illiterate	1	5.6	5	18.5	6	13.3	0	0	0	0	0	0	6	7.9
- Pre-primary School	1	5.6	3	11.1	4	8.9	0	0	7	53.8	7	22.6	11	14.5
- Primary School (P1 - P6)	15	83.3	17	63	32	71.1	16	88.9	2	15.4	18	58.1	50	65.8
- Lower Grade of Secondary School (M1 - M3)	1	5.6	2	7.4	3	6.7	0	0.0	3	23.1	3	9.7	6	7.9
- Upper Grade of Secondary School (M4 - M6)	0	0	0	0	0	0	0	0.0	1	7.7	1	3.2	1	1.3
- Vocational School or Equivalent	0	0	0	0	0	0	1	5.6	0	0	1	3.2	1	1.3
- Bachelor Degree	0	0	0	0	0	0	1	5.6	0	0	1	3.2	1	1.3

TABLE 2 Family Structure of Respondents

Items	Ban NongChok						Ban Tha Phayom						Total	
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Family Members	62	100.0	100	100.0	162	100.0	79	100.0	51	100.0	130	100.0	292	100.0
1. Sex														
- Male	29	46.8	50	50.0	79	48.8	42	53.2	25	49.0	67	51.5	146	50.0
- Female	33	53.2	50	50.0	83	51.2	37	46.8	26	51.0	63	48.5	146	50.0
2. Age														
- Lower than 20	14	22.6	23	25.0	37	22.8	22	27.8	19	37.3	41	31.5	78	26.7
- 20 - 30	19	30.6	22	23.9	41	25.3	18	22.8	8	15.7	26	20.0	67	22.9
- 31-40	5	8.1	7	7.6	12	7.4	8	10.1	11	21.6	19	14.6	31	10.6
- 41-50	12	19.4	15	16.3	27	16.7	12	15.2	7	13.7	19	14.6	46	15.8
- 51-60	5	8.1	14	15.2	19	11.7	13	16.5	3	5.9	16	12.3	35	12.0
- Over 60	7	11.3	11	12.0	18	11.1	6	7.6	2	3.9	8	6.2	26	8.9
Average Age (year)	34.5		32.8		33.5		34.5		28.0		32.0		32.8	
3. Number of Family Members (persons/house)														
- 1-2	4	22.2	3	11.1	7	15.6	2	11.1	1	7.7	3	9.7	10	13.2
- 3-4	11	61.1	17	63.0	28	62.2	6	33.3	8	61.5	14	45.2	42	55.3
- 5-6	3	16.7	7	25.9	10	22.2	9	50.0	4	30.8	13	41.9	23	30.3
- 7-8	0	0	0	0	0	0	1	5.6	0	0	1	3.2	1	1.3
Average Family Members (Person/house)	3.4		3.7		3.6		4.4		3.9		4.2		3.8	

TABLE 2 Family Structure of Respondents (continued)

Items	Ban NongChok						Ban Tha Phayom						Total	
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Family Members	62	100.0	100	100.0	162	100.0	79	100.0	51	100.0	130	100.0	292	100.0
4.Education														
- Illiterate	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- Pre-primary School	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- Primary School (P1 - P6)	33	53.2	64	64.0	97	59.9	3	3.8	29	56.9	32	24.6	129	44.2
- Lower Grade of Secondary School (M1 - M3)	6	9.7	6	6.0	12	7.4	42	53.2	6	11.8	48	36.9	60	20.5
- Upper Grade of Secondary School (M4 - M6)	9	14.5	11	11.0	20	12.3	8	10.1	2	3.9	10	7.7	30	10.3
- Vocational School or Equivalent	1	1.6	1	1.0	2	1.2	10	12.7	0	-	10	7.7	12	4.1
- Bachelor Degree	4	6.5	4	4.0	8	4.9	6	7.6	1	1.96	7	5.4	15	5.1
- No Answer	9	14.5	14	14.0	23	14.2	10	12.7	13	25.49	23	17.7	46	15.8
5.Occupation														
- No answer	5	8.1	10	10.0	15	9.3	6	7.6	12	23.5	18	13.8	33	11.3
- Farmers	35	56.5	62	62.0	97	59.9	50	63.3	21	41.2	71	54.6	168	57.5
- Student	10	16.1	16	16.0	26	16.0	15	19.0	12	23.5	27	20.8	53	18.2
- Work in Factory	8	12.9	10	10.0	18	11.1	7	8.9	3	5.9	10	7.7	28	9.6
- Salon	0	0	0	0	0	-	0	-	1	2.0	1	0.8	1	0.3
- Animal Raising	0	0	1	1.0	1	0.6	0	-	2	3.9	2	1.5	3	1.0
- Trade	0	0	1	1.0	1	0.6	1	1.3	0	-	1	0.8	2	0.7
- Government Officer	4	6.5	0	0	4	2.5	0	-	0	-	0	-	4	1.4

TABLE 3 Family Assets

Items	Ban NongChok						Ban Tha Phayom						Total	
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total			
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%		
Number of Respondents	18	100.0	27	100.0	45	100.0	18	100.0	13	100.0	31	100.0	76	100.0
1. Sedan Car														
- No	17	94.4	26	96.3	43	95.6	17	94.4	0	0	30	96.8	73	96.1
- Yes, Specified (number)	1	5.6	1	3.7	2	4.4	1	5.6	0	0	1	3.2	3	3.9
-1	1	100.0	1	100.0	2	100.0	1	100.0	0	0	1	100.0	3	100.0
2. Pickup Truck														
- No	9	50.0	13	48.1	22	48.9	11	61.1	9	69.2	20	64.5	42	55.3
- Yes, Specified (number)	9	50.0	14	51.9	23	51.1	7	38.9	4	30.8	11	35.5	34	44.7
-1	9	100.0	13	92.9	22	95.7	5	71.4	4	100.0	9	81.8	31	91.2
-2	0	0	1	7.1	1	4.3	2	28.6	0	0	2	18.2	3	8.8
3. Motorcycle														
- No	4	22.2	1	3.7	5	11.1	1	5.6	0	0	1	3.2	6	7.9
- Yes, Specified (number)	14	77.8	26	96.3	40	88.9	17	94.4	13	100.0	30	96.8	70	92.1
-1	11	78.6	22	84.6	33	82.5	7	41.2	7	53.8	14	46.7	47	67.1
-2	3	21.4	3	11.5	6	15	8	47.1	5	38.5	13	43.3	19	27.1
-3	0	0	1	3.8	1	2.2	2	11.8	1	7.7	3	10	3	5.7

TABLE 3 Family Assets (continued)

Items	Ban NongChok						Ban Tha Phayom						Total	
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total			
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%		
Number of Respondents	18	100.0	27	100.0	45	100.0	18	100.0	13	100.0	31	100.0	76	100.0
4. Household status														
- No	4	22.2	3	11.1	7	15.6	4	22.2	4	30.8	8	25.8	15	19.7
- Yes, Specified (number)	14	77.8	24	88.9	38	84.4	14	77.8	9	69.2	23	74.2	61	80.3
-1	11	78.6	23	95.8	34	89.5	10	71.4	6	66.7	16	69.6	50	82.0
-2	1	7.1	0	0.0	1	2.6	3	21.4	1	11.1	4	17.4	5	8.2
-3	2	14.3	1	4.2	3	7.9	1	7.1	2	22.2	3	13.0	6	9.8
5. Land Holding Classified by One Own Right														
5.1 Right Owner (Multiple answers)														
- No Answer	14	77.8	7	25.9	21	46.7	1	5.6	1	7.7	2	6.5	23	30.3
- Cha-Nod	0	-	0	-	0	0	15	83.3	8	61.5	23	74.2	23	30.3
- Nor-Sor 3	0	-	0	-	0	0	0	0	0	0	0	0	0	0
- Sor-Por-Kor 4-01	2	11.1	1	3.7	3	6.7	1	5.6	1	7.7	2	6.5	5	6.6
- Por-Bor-Tor 5	1	5.6	18	66.7	19	42.2	1	5.6	3	23.1	4	12.9	23	30.3
- Etc.	1	5.6	1	3.7	2	4.4	0	0	0	0	0	0	2	2.6
5.2 Average Area (rai /house)														
- Cha-Nod	0		0		0		21.6		5.4		15.9		15.9	
- Nor-Sor 3	0		0		0		0		0		0		0	
- Sor-Por-Kor 4-01	12.5		20.4		18.7		40.0		30.0		35.0		21.6	
- Por-Bor-Tor 5	25.8		18.0		19.7		30.0		8.0		13.5		18.8	
- Etc.	1.0		20.0		10.5		0		0		0		10.5	
Total Area (rai/house)		13.0		18.2		18.8		23.2		8.1		16.9		17.5

TABLE 3 Family Assets (continued)

Items	Ban NongChok						Ban Tha Phayom						Total	
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total			
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%		
Number of Respondents	18	100.0	27	100.0	45	100.0	18	100.0	18	100.0	31	100.0	76	100.0
6. TV														
- No	0	0	3	11.1	3	6.7	1	5.6	1	7.7	2	6.5	5	6.6
- Yes, Specified (number)	18	100.0	24	88.9	42	93.3	17	94.4	12	92.3	29	93.5	71	93.4
-1	17	94.4	22	91.7	39	92.9	14	82.4	10	83.3	24	82.8	63	88.7
-2	1	5.6	2	8.3	3	7.1	3	17.6	1	8.3	4	13.8	7	9.9
-3	0	0	0	0	0	0	0	0	0	0	0	0	1	1.4
-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. Refrigerator														
- No	12	66.7	15	55.6	27	60.0	13	72.2	11	84.6	24	77.4	51	67.1
- Yes, Specified (number)	6	33.3	12	44.4	18	40.0	5	27.8	2	15.4	7	22.6	25	32.9
-1	6	100.0	12	100.0	18	100.0	5	100.0	2	100.0	7	100.0	25	100.0
-2	0	0	0	0	0	0.0	0	0.0	0	0	0	0	0	0
8. Radio / Stereo / CD														
- No	17	94.4	19	70.4	36	80.0	15	83.3	12	92.3	27	87.1	63	82.9
- Yes, Specified (number)	1	5.6	8	29.6	9	20.0	3	16.7	1	7.7	4	12.9	13	17.1
-1	1	100.0	8	100.0	9	100.0	3	100.0	1	100.0	4	100.0	13	100.0
9. Laundry Machine														
- No	16	88.9	24	88.9	40	88.9	18	100.0	13	100.0	31	100.0	71	93.4
- Yes, Specified (number)	2	11.1	3	11.1	5	11.1	0	0	0	0	0	0	5	6.6
-1	2	100.0	2	66.7	4	80.0	0	0	0	0	0	0	4	80.0
-3	0	0	1	33.3	1	20.0	0	0	0	0	0	0	1	20.0

TABLE 3 Family Assets (continued)

Items	Ban NongChok						Ban Tha Phayom						Total	
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total			
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%		
Number of Respondents	18	100.0	27	100.0	45	100.0	18	100.0	13	100.0	31	100.0	76	100.0
10. Cooking Pot														
- No	18	100.0	26	100.0	44	97.8	18	100.0	13	100.0	31	100.0	75	98.7
- Yes, Specified (number)	0	0	1	3.7	1	2.2	0	0	0	0	0	0	1	1.3
-1	0	0	1	100.0	1	100.0	0	0	0	0	0	0	1	100.0
-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11. Small Tractor														
- No	18	100.0	26	96.3	44	97.8	17	94.4	13	100.0	30	96.8	74	97.4
- Yes, Specified (number)	0	0	1	3.7	1	2.2	1	5.6	0	0	1	3.2	2	2.6
-1	0	0	1	100.0	1	100.0	1	100.0	0	0	1	100.0	2	100.0
12. Bicycle														
- No	18	100.0	24	88.9	42	93.3	18	100.0	13	100.0	30	100.0	73	96.1
- Yes, Specified (number)	0	0	3	11.1	3	6.7	0	0	0	0	0	0	3	3.9
-1	0	0	3	100.0	3	100.0	0	0	0	0	0	0	3	100.0
13. Computer														
- No	18	100.0	26	96.3	44	97.8	18	100.0	13	100.0	31	100.0	75	98.7
- Yes, Specified (number)	0	0	1	3.7	1	2.2	0	0	0	0	0	0	1	1.3
-1	0	0	1	100.0	1	100.0	0	0	0	0	0	0	1	100.0

TABLE 4 Land Holding

Items	Ban NongChok						Ban Tha Phayom					
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Number of Respondents	18	100.0	27	100.0	45	100.0	18	100.0	13	100.0	31	100.0
1. Total Land Use (rai/HH)												
- Up to 10	0	0	11	40.7	11	24.4	6	33.3	11	84.6	17	54.8
- 11 - 20	8	44.4	7	25.9	15	33.3	6	33.3	0	0	6	19.4
- 21 -30	4	22.2	6	22.2	10	22.2	1	5.6	1	7.7	2	6.5
- 31 - 40	3	16.7	1	3.7	4	8.9	2	11.1	1	7.7	3	9.7
- 41 - 50	3	16.7	1	3.7	4	8.9	0	0	0	0	0	0
- Over 50	0	0	1	3.7	1	3.7	3	16.7	0	0	3	9.7
Average Land Use (rai/house)	13.0		18.3		18.8		23.2		8.1		16.9	
2. Type of Land Use ^{1/}												
2.1 House/residential Area												
- No	3	16.7	10	37.0	13	28.9	7	38.9	5	38.5	12	38.7
- Yes	15	83.3	17	63.0	32	71.1	11	61.1	8	6.5	19	61.3
Average Cultivated Area (rai/house)	1.5		0.8		1.1		0.9		0.7		0.8	
2.2 Cultivated Area												
- No	1	56.0	4	14.8	5	11.1	3	16.7	5	38.5	8	25.8
- Yes	17	94.4	23	85.2	40	88.9	15	83.3	8	61.5	23	74.2
Average Cultivated Area (rai/house)	12.3		14.2		13.3		17.9		4.8		12.4	
2.3 Pasture Area												
- No	14	77.8	25	92.6	39	86.7	14	77.8	11	84.6	25	80.6
- Yes	4	22.2	20	7.4	6	13.3	4	22.2	2	15.4	6	19.4
Average Cultivated Area (rai/house)	3.2		0.5		1.6		3.1		2.4		2.8	
Total												

TABLE 4 Land Holding (continued)

Items	Ban NongChok						Ban Tha Phayom						Total	
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total			
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%		
Number of Respondents	18	100.0	27	100.0	45	100.0	18	100.0	13	100.0	31	100.0	76	100.0
2.4 Fish Pond Area														
- No	13	72.2	21	77.8	34	75.6	14	77.8	12	92.3	26	83.9	60	78.9
- Yes	5	27.8	6	22.2	11	24.6	4	22.2	1	7.7	5	16.1	16	21.1
Average Fish Pond Area (rai/house)	0.4		0.3		0.3		0.2		0.2		0.2		0.3	
2.5 Drying Floor Area														
- No	17	94.4	27	100	44	97.8	17	94.4	13	100	30	96.8	74	97.4
- Yes	1	5.6	0	0	1	2.2	1	5.6	0	0	1	3.2	2	2.6
Average Drying Floor Area (rai/house)	0.1		0.0		0.0		0.6		0.0		0.3		0.2	
2.6 Lease Out to Others														
- No	15	83.3	23	85.2	38	84.4	14	77.8	12	92.3	26	83.9	64	84.2
- Yes	3	16.7	4	14.8	7	15.6	4	22.2	1	7.7	5	16.1	12	15.8
Average Lease Out Area (rai/house)	2.2		1.1		1.6		2.6		0.6		1.7		0.6	
2.7 Land Let for Free Use														
- No	18	100.0	27	100.0	45	100.0	17	94.4	13	100.0	30	96.8	75	98.7
- Yes	0	0	0	0	0	0	1	5.6	0	0	1	3.2	1	1.3
Average Free Use Area (rai/house)	0		0		0		0.2		0		0.1		0.4	
2.8 Livestock Raising Field														
- No	18	100.0	27	100.0	45	100.0	17	94.4	13	100.0	30	96.8	75	98.7
- Yes	0	0	0	0	0	0	1	5.6	0	0	1	3.2	1	1.3
Average Idle Land Area (rai/house)	0		0		0		0.2		0		0.1		0.4	

**TABLE 5 Agricultural Data/Information
5.1 Sugarcane**

Items	Ban NongChok						Ban Tha Phayom						Total	
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total			
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%		
1. Sugarcane	18	100.0	27	100.0	45	100.0	18	100.0	13	100.0	31	100.0	76	100.0
No	6	33.3	21	77.8	27	60.0	12	66.7	13	100.0	25	80.6	52	68.4
Yes	12	66.7	6	22.2	18	40.0	6	33.3	0	-	6	19.4	24	31.6
Average Area (Rai)	9.4		10.2		9.6		19.0		0.0		18.8		11.9	
- Rain-Fed (rai)	14.8		15.3		15.0		5.0		0.0		4.5		13.9	
- Average Yield (ton/rai)	8.0		8.0		8.0		10.0		0.0		10.0		8.8	
- Irrigated Area (rai)	4.0		5.0		4.3		33.0		0.0		33.0		10.0	
- Average Yield (ton/rai)	12.0		12.0		12.0		12.7		0.0		12.7		11.5	
Varieties (Multiple answer)	12	100.0	6	100.0	18	100.0	6	100.0	-	-	6	100.0	24	100.0
1. 92-80	-	-	2	33.3	2	11.1	-	-	-	-	-	0.0	2	8.0
2. K 20	2	16.7	-	0.0	2	11.1	1	16.7	-	-	1	16.7	3	12.0
3. K 90	1	8.3	1	16.7	2	11.1	-	-	-	-	-	0.0	2	8.0
4. K 92	-	-	-	0.0	-	0.0	2	33.3	-	-	2	33.3	2	8.0
5. K Yellow	1	8.3	-	0.0	1	5.6	-	-	-	-	-	0.0	1	4.0
6. RI 92	1	8.3	-	0.0	1	5.6	-	-	-	-	-	0.0	1	4.0
7. Unidentified	7	58.3	3	50.0	10	55.6	3	50.0	-	-	3	50.0	13	56.0

**TABLE 5 Agricultural Data/Information
5.2 Pineapple**

Items	Ban NongChok						Ban Tha Phayom						Total			
	Direct Beneficiaries			Possible Future Beneficiaries (Nearby Households)			Direct Beneficiaries			Possible Future Beneficiaries (Nearby Households)					Sub-Total	
	Number	%		Number	%		Number	%		Number	%				Number	%
			Sub-Total			Sub-Total			Sub-Total			Sub-Total				
2.Pineapple	18	100.0		27	100.0	45	100.0	18	100.0	13	100.0	31	100.0	76	100.0	
No	6	33.3		6	22.2	12	26.7	18	100.0	12	92.3	30	96.8	42	55.3	
Yes	12	66.7		21	77.8	33	73.3	-	-	1	7.7	1	3.2	34	44.7	
Average Area (Rai)	13.4		14.9		14.5		-		20.0		20.0		14.7			
- Rain-Fed (rai)	14.3		15.1		14.8		-		20.0		20.0		14.9			
- Average Yield (ton/rai)	5.2		7.0		6.5		-		5.0		5.0		6.4			
- Irrigated Area (rai)	4.0		4.0		4.0		-		0		0		4.0			
- Average Yield (ton/rai)	-		-		-		-		-		-		-			
Varieties (Multiple answer)	12	100.0	21	100.0	33	100.0	-	-	1	100.0	1	100.0	34	100.0		
1. Ta Dam	1	8.3	-	-	1	3.0	-	-	1	100.0	1	100.0	1	2.9		
2. Pattawia	6	50.0	4	19.0	10	30.3	-	-	-	-	-	-	10	29.4		
3. Unidentified	5	41.7	17	81.0	22	66.7	-	-	-	-	-	-	23	67.6		

**TABLE 5 Agricultural Data/Information
5.3 Maize**

Items	Ban NongChok					Ban Tha Phayom					Total			
	Direct		Possible Future		Sub-Total	Direct		Possible Future		Sub-Total				
	Beneficiaries		Beneficiaries			Beneficiaries		Beneficiaries						
Number	%	Number	%	Number	%	Number	%	Number	%	Number	%			
3. Maize	18	100.0	27	100.0	45	100.0	18	100.0	13	100.0	31	100.0	76	100.0
No	17	94.4	27	100.0	44	97.8	13	72.2	12	92.3	25	80.6	69	90.8
Yes	1	5.6	-	-	1	5.6	5	27.8	1	7.7	6	19.4	7	9.2
Average Area (Rai)	3.0		-		3.0		2.9		3.0		5.1		4.7	
- Rain-Fed (rai)	3.0		-		3.0		1.5		0.0		8.2		6.5	
- Average Yield (ton/rai)	0		-		0		1.2		0.0		1.2		1.2	
- Irrigated Area (rai)	0		-		0		3.0		3.0		3.0		3.0	
- Average Yield (ton/rai)	0		-		0		2.9		9.0		4.4		4.4	
Varieties (Multiple answer)	1	100.0	-	-	1	100.0	5	100.0	1	100.0	6	100.0	7	100.0
1. Local Variety	1	100.0	-	-	1	100.0	-	-	-	0	-	-	1	14.3
2. Q18	-	-	-	-	-	-	2	40.0	-	0	2	33.3	2	28.6
3. Pacific	-	-	-	-	-	-	1	20.0	-	0	1	16.7	1	14.3
4. Unidentified	-	-	-	-	-	-	2	40.0	1	100.0	3	50.0	3	42.9

**TABLE 5 Agricultural Data/Information
5.4 Cassava**

Items	Ban NongChok						Ban Tha Phayom						Total	
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total			
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%		
4. Cassava	18	100.0	27	100.0	45	100.0	18	100.0	13	100.0	31	100.0	76	100.0
No	18	100.0	27	100.0	45	100.0	16	88.9	13	100.0	29	93.5	74	97.4
Yes	-	-	-	-	-	-	2	11.1	-	-	2	6.5	2	2.6
Average Area (Rai)	-	-	-	-	-	-	15.0	-	-	-	15.0	-	15.0	-
- Rain-Fed (rai)	-	-	-	-	-	-	20.0	-	-	-	20.0	-	20.0	-
- Average Yield (ton/rai)	-	-	-	-	-	-	4.0	-	-	-	4.0	-	4.0	-
- Irrigated Area (rai)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
- Average Yield (ton/rai)	-	-	-	-	-	-	6.0	-	-	-	6.0	-	6.0	-
Varieties (Multiple answer)	-	-	-	-	-	-	2	100.0	-	-	2	100.0	2	100.0
1. Rayong	-	-	-	-	-	-	1	50.0	-	-	1	50.0	1	50.0
2. Unidentified	-	-	-	-	-	-	1	50.0	-	-	1	50.0	1	50.0

**TABLE 5 Agricultural Data/Information
5.5 Paddy**

Items	Ban NongChok						Ban Tha Phayom						Total	
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total			
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%		
5. Paddy	18	100.0	27	100.0	45	100.0	18	100.0	13	100.0	31	100.0	76	100.0
No	18	100.0	27	100.0	45	100.0	14	77.8	-	-	27	87.1	72	94.7
Yes	-	-	-	-	-	-	4	22.2	-	-	4	12.9	4	5.3
Average Area (Rai)	-	-	-	-	-	-	6.5	-	-	-	6.5	-	6.5	-
- Rain-Fed (rai)	-	-	-	-	-	-	1.00	-	-	-	1.00	-	1.00	-
- Average Yield (ton/rai)	-	-	-	-	-	-	0.5	-	-	-	0.5	-	0.5	-
- Irrigated Area (rai)	-	-	-	-	-	-	5.5	-	-	-	5.5	-	5.5	-
- Average Yield (ton/rai)	-	-	-	-	-	-	1.0	-	-	-	1.0	-	1.0	-
Varieties (Multiple answer)							4	100.0	-	-	4	100.0	4	100.0
1. Pratum 1	-	-	-	-	-	-	2	50.0	-	-	2	50.0	2	50.0
2. Laang-Orn	-	-	-	-	-	-	1	25.0	-	-	1	25.0	1	25.0
3. Unidentified	-	-	-	-	-	-	1	25.0	-	-	1	25.0	1	25.0

**TABLE 5 Agricultural Data/Information
5.6 Baby Corn**

Items	Ban NongChok						Ban Tha Phayom							
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
6. Baby Corn	18	100.0	27	100.0	45	100.0	18	100.0	13	100.0	31	100.0	76	100.0
No	18	100.0	27	100.0	45	100.0	14	77.8	6	46.2	20	64.5	65	85.5
Yes	-	-	-	-	-	-	4	22.2	7	53.8	11	35.5	11	14.5
Average Area (Rai)	-	-	-	-	-	-	4.1	5.3	4.8	4.8	4.8	4.8	4.8	4.8
- Rain-Fed (rai)	-	-	-	-	-	-	-	7.0	7.0	7.0	7.0	7.0	7.0	7.0
- Average Yield (ton/rai)	-	-	-	-	-	-	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
- Irrigated Area (rai)	-	-	-	-	-	-	3.2	3.0	3.0	3.0	3.1	3.1	3.1	3.1
- Average Yield (ton/rai)	-	-	-	-	-	-	1.4	1.0	1.0	1.0	1.2	1.2	1.2	1.2
Varieties (Multiple answer)							4	100.0	7	100.0	11	100.0	11	100.0
1. 18-17-48	-	-	-	-	-	-	1	25.0	-	-	1	9.1	1	9.1
2. K 18	-	-	-	-	-	-	-	-	1	14.3	1	9.1	1	9.1
3. Hybrid	-	-	-	-	-	-	-	-	1	14.3	1	9.1	1	9.1
4. Unidentified	-	-	-	-	-	-	3	75.0	5	71.4	8	72.7	8	72.7

**TABLE 5 Agricultural Data/Information
5.7 Sweet Corn**

Items	Ban NongChok						Ban Tha Phayom							
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
7. Sweet Corn	18	100.0	27	100.0	45	100.0	18	100.0	13	100.00	31	100.0	76	100.0
No	18	100.0	27	100.0	45	100.0	15	83.3	-	-	28	90.3	73	96.1
Yes	-	-	-	-	-	-	3	16.7	-	-	3	9.7	3	3.9
Average Area (Rai)	-	-	-	-	-	-	6.0	-	-	-	6.0	-	6.0	-
- Rain-Fed (rai)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
- Average Yield (ton/rai)	-	-	-	-	-	-	2.0	-	-	-	2.0	-	2.0	-
- Irrigated Area (rai)	-	-	-	-	-	-	2.0	-	-	-	2.0	-	2.0	-
- Average Yield (ton/rai)	-	-	-	-	-	-	1.8	-	-	-	1.8	-	1.8	-
Varieties (Multiple answer)	-	-	-	-	-	-	3	100.0	-	-	3	100.0	3	100.0
1. Hybrid 10	-	-	-	-	-	-	1	33.3	-	-	1	33.3	1	33.3
2. Hybrid 3	-	-	-	-	-	-	1	33.3	-	-	1	33.3	1	33.3
3. Unidentified	-	-	-	-	-	-	1	33.3	-	-	1	33.3	1	33.3

**TABLE 5 Agricultural Data/Information
5.8 Cabbage**

Items	Ban NongChok						Ban Tha Phayom							
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
8. Cabbage	18	100.0	27	100.0	45	100.0	18	100.0	13	100.0	31	100.0	76	100.0
No	17	94.4	27	100.0	44	97.8	18	100.0	12	92.3	30	96.8	74	97.4
Yes	1	5.6	-	-	1	6.2	-	-	1	100.0	1	3.2	2	2.6
Average Area (Rai)	4.0		-		4.0		-		3.0		3.0		3.50	
- Rain-Fed (rai)	4.0		-		4.0		-		-		-		4.00	
- Average Yield (ton/rai)	-		-		-		-		-		-		-	
- Irrigated Area (rai)	-		-		-		-		3.0		3.0		3.00	
- Average Yield (ton/rai)	-		-		-		-		3.0		3.0		3.0	
Varieties (Multiple answer)	1	100.0	-	-	1	100.0	-	-	1	100.0	1	100.0	2	100.0
1. Unidentified	1	100.0	-	-	1	100.0	-	-	1	100.0	1	100.0	2	100.0

**TABLE 5 Agricultural Data/Information
5.9 Yard Bean**

Items	Ban NongChok						Ban Tha Phayom						Total	
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total			
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%		
9. Yard Bean	18	100.0	27	100.0	45	100.0	18	100.0	13	100.0	31	100.0	76	100.0
NO	18	100.0	27	100.0	45	100.0	14	77.8	-	-	27	87.1	72	94.7
Yes	-	-	-	-	-	-	4	22.2	-	-	4	12.9	4	5.3
Average Area (Rai)	-	-	-	-	-	-	1.3	-	-	-	1.1	-	1.3	-
- Rain-Fed (rai)	-	-	-	-	-	-	1.0	-	-	-	1.0	-	1.0	-
- Average Yield (ton/rai)	-	-	-	-	-	-	1.0	-	-	-	1.0	-	1.0	-
- Irrigated Area (rai)	-	-	-	-	-	-	1.5	-	-	-	1.5	-	1.5	-
- Average Yield (ton/rai)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Varieties (Multiple answer)	-	-	-	-	-	-	4	100.0	-	-	4	100.0	4	100.0
1.Lam-Nam-Chi-Sorn Deang	-	-	-	-	-	-	2	50.0	-	-	2	50.0	2	50.0
2.Unidentified	-	-	-	-	-	-	2	50.0	-	-	2	50.0	2	50.0

**TABLE 5 Agricultural Data/Information
5.10 Chili**

Items	Ban NongChok						Ban Tha Phayom							
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
10.Chili	18	100.0	27	100.0	45	100.0	18	100.0	13	100.0	31	100.0	76	100.0
No	18	100.0	25	92.6	43	95.6	17	94.4	13	100.0	30	96.8	73	96.1
Yes	-	-	2	7.4	2	4.4	1	5.6	-	-	1	3.2	3	3.9
Average Area (Rai)	-	-	2.0	-	2.0	-	1.0	-	-	-	1.0	-	1.7	-
- Rain-Fed (rai)	-	-	2.0	-	2.0	-	1.0	-	-	-	1.0	-	1.5	-
- Average Yield (ton/rai)	-	-	7.0	-	7.0	-	-	-	-	-	-	-	7.0	-
- Irrigated Area (rai)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
- Average Yield (ton/rai)	-	-	2.0	-	2.0	-	-	-	-	-	-	-	2.0	-
Varieties (Multiple answer)	-	-	2	100.0	2	100.0	1	100.0	-	-	1	100.0	3	100.0
1. Local	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2. Q18	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3. Pacific	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4. Unidentified	-	-	2	100.0	2	100.0	1	100.0	-	-	1	100.0	3	100.0

**TABLE 5 Agricultural Data/Information
5.11 Other Vegetables**

Items	Ban NongChok						Ban Tha Phayom							
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
11. Other Vegetables	18	100.0	27	100.0	45	100.0	18	100.0	13	100.0	31	100.0	76	100.0
No	18	100.0	23	85.2	41	91.1	15	83.3	13	100.0	28	90.3	69	90.8
Yes	-	-	4	14.8	4	8.9	3	16.7	-	-	3	9.7	7	9.2
Average Area (rai)	-	-	7.0	-	7.0	-	2.4	-	-	-	2.4	-	5.0	-
- Rain-Fed (rai)	-	-	7.0	-	7.0	-	2.0	-	-	-	2.0	-	5.7	-
- Average Yield (ton/rai)	-	-	-	-	-	-	0.8	-	-	-	0.8	-	0.8	-
- Irrigated Area (rai)	-	-	-	-	-	-	4.0	-	-	-	4.0	-	4.0	-
- Average Yield (ton/rai)	-	-	10.0	-	10.0	-	-	-	-	-	-	-	10.0	-
Varieties (Multiple answer)	-	-	4	100.0	4	100.0	3	100.0	-	-	3	100.0	7	100.0
1. Unidentified	-	-	4	100.0	4	100.0	3	100.0	-	-	3	100.0	7	100.0

TABLE 6 Serious Agricultural Problems Required Agricultural Extension

Items	Ban NongChok						Ban Tha Phayom						Total	
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Number	%
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%		
Serious Problems														
Problem 1														
- No Answer	2	11.1	1	3.7	3	6.7	4	22.2	4	30.8	8	25.8	11	14.5
- High price of chemical fertilizer	7	38.9	10	37.0	17	37.8			1	7.7	1	3.2	18	23.7
- High price of insecticide	1	5.6			1	2.2							1	1.3
- Lack of investment cost	1	5.6	5	18.5	6	13.3	2	11.1			2	6.5	8	10.5
- Low price of production/low income	2	11.1	3	11.1	5	11.1	1	5.6					5	6.6
- Insufficient water for cultivation	3	16.7	3	11.1	6	13.3	1	5.6	2	15.4	3	9.7	9	11.8
- High price of input cost	2	11.1	3	11.1	5	11.1							5	6.6
- Low quantity of soil							6	33.3	1	7.7	7	22.6	7	9.2
- Flood							4	22.2			4	12.9	4	5.3
- Crop pest									3	23.1	4	12.9	4	5.3
- Others			2	7.4	2	4.4	1	5.6	2	15.4	2	6.5	4	5.3
Problem 2														
- No Answer	5	27.8	2	7.4	7	15.6	8	44.4	8	61.5	16	51.6	23	30.3
- High price of chemical fertilizer	3	16.7	3	11.1	6	13.3	1	5.6	2	15.4	3	9.7	9	11.8
- High price of insecticide	3	16.7			3	6.7			1	7.7	1	3.2	4	5.3
- Lack of investment cost	2	11.1	3	11.1	5	11.1							5	6.6
- Low price of production/low income	2	11.1	2	7.4	4	8.9	3	16.7	1	7.7	4	12.9	8	10.5
- Insufficient water for cultivation	2	11.1	16	59.3	18	40.0							18	23.7
- High price of input cost							1	5.6			1	3.2	1	1.3
- Low quantity of soil							2	11.1			2	6.5	2	2.6
- Flood							1	5.6			1	3.2	1	1.3
- Crop pest							2	11.1			2	6.5	2	2.6
- Others	1	5.6	1	3.7	2	4.4	2	11.1	1	7.7	3	9.7	5	6.6

TABLE 6 Serious Agricultural Problems Required Agricultural Extension (continued)

Items	Ban NongChok						Ban Tha Phayom						Total	
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Number	%
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%		
Problem 3														
- No Answer	8	44.4	5	18.5	13	28.9	8	44.4	8	61.5	16	51.6	29	38.2
- High price of chemical fertilizer			2	7.4	2	4.4	1	5.6	1	7.7	2	6.5	4	5.3
- High price of insecticide			1	3.7	1	2.2	1	5.6			1	3.2	2	2.6
- Lack of investment cost			3	11.1	3	6.7	1	5.6			1	3.2	4	5.3
- Low price of production/low income	4	22.2	5	18.5	9	20.0	3	16.7	2	15.4	5	16.1	14	18.4
- Insufficient water for cultivation			1	3.7	1	2.2							1	1.3
- High price of input cost	2	11.1	3	11.1	5	11.1	2	11.1			2	6.5	7	9.2
- Low quantity of soil			1	3.7	1	2.2							1	1.3
- Flood									1	7.7	1	3.2	1	1.3
- Crop pest							1	5.6					1	1.3
- Others	4	22.2	6	22.2	10	22.2	1	5.6	1	7.7	2	6.5	12	15.8

TABLE 6 Serious Agricultural Problems Required Agricultural Extension

Items	Ban NongChok						Ban Tha Phayom					
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Needs												
Need 1												
- No Answer	4	22.2	1	3.7	5	11.1	3	16.7	4	30.8	7	22.6
- Lower price of chemical fertilizer	2	11.1	3	11.1	5	11.1	1	5.6	1	7.7	2	6.5
- Inputs	1	5.6	1	3.7	2	4.4						
- Revolving fund for agriculture	5	27.8	7	25.9	12	26.7	3	16.7	2	15.4	5	16.1
- Soft loan	1	5.6			1	2.2						
- Sufficient water for agriculture	2	11.1	6	22.2	8	17.8			3	23.1	3	9.7
- Crop price guarantee	2	11.1	2	7.4	4	8.9	1	5.6	1	7.7	2	6.5
- Lower price of insecticide	1	5.6	1	3.7	2	4.4			1	7.7	1	3.2
- Knowledge on appropriate technology			1	3.7	1	2.2						
- Marketing			2	7.4	2	4.4	1	5.6			1	3.2
- Compost making							1	5.6			1	3.2
- Soil improvement							2	11.1	1	7.7	3	9.7
- Others			3	11.1	3	6.7	6	33.3			6	19.4
Need 2												
- No Answer	10	55.6	7	25.9	17	37.8	5	27.8	8	61.5	13	41.9
- Lower price of chemical fertilizer	1	5.6	5	18.5	6	13.3	1	5.6	2	15.4	3	9.7
- Inputs												
- Revolving fund for agriculture	1	5.6	4	14.8	5	11.1	3	16.7			3	9.7
- Soft loan												
- Sufficient water for agriculture	2	11.1	4	14.8	6	13.3						
- Crop price guarantee			2	7.4	2	4.4	3	16.7	2	15.4	5	16.1
- Lower price of insecticide	1	5.6	2	7.4	3	6.7	2	11.1			2	6.5
- Knowledge on appropriate technology												
- Marketing	1	5.6			1	2.2	1	5.6			1	3.2
- Compost making	2	11.1	1	3.7	3	6.7						
- Soil improvement			1	3.7	1	2.2						
- Others			1	3.7	1	2.2	3	16.7	1	7.7	4	12.9
Total												

TABLE 6 Serious Agricultural Problems Required Agricultural Extension (continued)

Items	Ban NongChok						Ban Tha Phayom							
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total			
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%		
Need 3														
- No Answer	13	72.2	14	51.9	27	60.0	9	50.0	10	76.9	19	61.3	48	60.5
- Lower price of chemical fertilizer			2	7.4	2	4.4							2	2.6
- Inputs														
- Revolving fund for agriculture			1	3.7	1	2.2	2	11.1	1	7.7	3	9.7	3	3.9
- Soft loan			2	7.4	3	6.7							1	1.3
- Sufficient water for agriculture	1	5.6	3	11.1	3	6.7	3	16.7	1	7.7	4	12.9	3	3.9
- Crop price guarantee			1	5.6	1	2.2			1	7.7	1	3.2	7	9.2
- Lower price of insecticide													2	2.6
- Knowledge on appropriate technology			2	7.4	2	4.4	2	11.1			2	6.5	4	5.3
- Marketing							1	5.6			1	3.2	1	1.3
- Compost making			1	3.7	1	2.2							1	1.3
- Soil improvement			2	7.4	5	11.1	1	5.6			1	3.2	6	7.9
- Others	3	16.7	2	7.4			1	5.6						

TABLE 7 Diversified Crop Incaze of Increasing More Water Supply for Cultivation

Items	Ban NongChok						Ban Tha Phayom						Total	
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total			
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%		
1. Sugarcane	18	100.0	27	100.0	45	100.0	18	100.0	13	100.0	31	100.0	76	100.0
- No Answer	11	61.1	25	92.6	36	80.0	16	88.9	13	100.0	29	93.5	65	85.5
- Answer	7	38.9	2	7.4	9	20.0	2	11.1	-	-	2	6.5	11	14.5
- Size of Land	9.1		5.0		8.7		51.5		-		51.5		16.5	
- No Answer	16	88.9	27	100.0	43	95.6	18	100.0	13	100.0	31	100.0	74	97.4
- Answer	2	11.1	-	-	2	4.4	-	-	-	-	-	-	2	2.6
- Size of Land for New Crop	12.5		-	-	12.5		-	-	-	-	-	-	12.5	
Variety Average (Rai)														
1. K 92	5.0		-	-	5.0		-	-	-	-	-	-	5.0	
2. K Yellow	14.0		-	-	14.0		-	-	-	-	-	-	14.0	
3. K 86	20.0		-	-	20.0		-	-	-	-	-	-	20.0	
4. K Muang	1.0		-	-	1.0		-	-	-	-	-	-	1.0	
5. Unidentified	9.3		-	-	9.3		-	-	-	-	-	-	9.3	
2. Pineapple														
- No Answer	9	50.0	24	88.9	33	73.3	16	88.9	13	100.0	29	93.5	62	81.6
- Answer	9	50.0	3	11.1	12	26.7	2	11.1	-	-	2	6.5	14	18.4
- Size of Land	10.2		26.7		14.3		6.0		-		6.0		13.1	
- No Answer	14	77.8	23	85.2	37	82.2	18	100.0	13	100.0	31	100.0	68	89.5
- Answer	4	22.2	4	14.8	8	17.8	-	-	-	-	-	-	8	10.5
- Size of Land for New Crop	6.3		12.3		9.3		-	-	-	-	-	-	9.3	
Variety Average (Rai)														
1. Ta-Dam	40.0		-	-	40.0		-	-	-	-	-	-	40.0	
2. Pattawia	16.5		12.5		14.5		-	-	-	-	-	-	14.5	
3. Unidentified	3.2		55.0		10.6		-	-	-	-	-	-	10.6	

TABLE 7 Diversified Crop Incentive of Increasing More Water Supply for Cultivation (continued)

Items	Ban NongChok						Ban Tha Phayom						Total	
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total			
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%		
3. Corn	18	100.0	27	100.0	45	100.0	18	100.0	13	100.0	31	100.0	76	100.0
- No Answer	14	77.8	27	100.0	41	91.1	13	72.2	11	84.6	24	77.4	65	85.5
- Answer	4	22.2	-	-	4	8.9	5	27.8	2	15.4	7	22.6	11	14.5
- Size of Land	2.8		-		2.8		4.6		4.0		4.4		3.8	
- No Answer	17	94.4	27	100.0	44	97.8	17	94.4	13	100.0	30	96.8	74	97.4
- Answer	1	5.6	-	-	1	2.2	1	5.6	-	-	1	3.2	2	2.6
- Size of Land for New Crop	2.0		-		2.0		2.0		-		2.0		2.0	
Variety Average (Rai)														
1. Local	5.0		-		5.0		-		-		-		5.0	
2. Swiss	2.0		-		2.0		-		-		-		2.0	
3. B 3	-		-		-		3.0		-		3.0		3.0	
4. Variety 17	-		-		-		-		5.0		5.0		5.0	
5. Unidentified	2.0		-		2.0		5.7		3.0		5.0		4.0	
4. Cassava														
- No Answer	18	100.0	27	100.0	45	100.0	16	88.9	13	100.0	29	93.5	74	97.4
- Answer	-	-	-	-	-	-	2	11.1	-	-	2	6.5	2	2.6
- Size of Land	-		-		-		15.0		-		15.0		15.0	
- No Answer	18	100.0	27	100.0	45	100.0	18	100.0	13	100.0	31	100.0	76	100.0
- Answer	-	-	-	-	-	-	-	-	-	-	-	-	-	-
- Size of Land for New Crop	-		-		-		-		-		-		-	
Variety Average (Rai)														
1. Unidentified	-		-		-		10.0		-		10.0		10.0	

TABLE 7 Diversified Crop Incaese of Increasing More Water Supply for Cultivation (continued)

Items	Ban NongChok						Ban Tha Phayom							
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
5. Paddy	18	100.0	27	100.0	45	100.0	18	100.0	13	100.0	31	100.0	76	100.0
- No Answer	18	100.0	27	100.0	45	100.0	16	88.9	13	100.0	29	93.5	74	97.4
- Answer	-	-	-	-	-	-	2	11.1	-	-	2	6.45	2	2.6
- Size of Land	-	-	-	-	-	-	10.00	-	-	-	10	-	-	-
- No Answer	18	100.0	27	100.0	45	100.0	18	100.0	13	100.0	31	100.0	76	100.0
- Answer	-	-	-	-	-	-	-	-	-	-	-	-	-	-
- Size of Land for New Cr	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Variety Average (Rai)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1. Unidentified	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6. Other Vegetables	18	100.0	27	100.0	45	100.0	18	100.0	13	100.0	31	100.0	76	100.0
- No Answer	13	72.2	26	96.3	39	86.7	10	55.6	13	100.0	23	74.2	62	81.6
- Answer	5	27.8	1	3.70	6	13.3	8	44.4	-	-	8	25.8	14	18.4
- Size of Land	1.2	-	-	-	1.2	-	7.4	-	-	7.4	-	-	5.0	-
- No Answer	17	94.4	26	96.3	43	95.6	15	83.3	13	100.0	28	90.3	71	93.4
- Answer	1	5.6	1	3.7	2	4.4	3	16.7	-	-	3	9.7	5	6.6
- Size of Land for New Cr	2.0	-	2.0	-	2.0	-	3.3	-	-	3.3	-	-	2.8	-
Variety Average (Rai)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1. Papaya	1.0	-	-	-	1.0	-	-	-	-	-	-	-	1.0	-
2. Lemon Grass	1.0	-	2.0	-	1.0	-	-	-	-	-	-	-	1.0	-
3. Asparagus	1.0	-	-	-	1.0	-	5.6	-	-	5.6	-	-	4.1	-
4. Egg Plant	-	-	-	-	-	-	2.5	-	-	2.5	-	-	2.5	-
5. Green Cabage	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6. Baby Corn	-	-	-	-	-	-	2.0	-	-	2.0	-	-	2.0	-
7. Unidentified	1.5	-	-	-	1.5	-	11.0	-	-	11.0	-	-	6.3	-

TABLE 7 Diversified Crop Incaase of Increasing More Water Supply for Cultivation (continued)

Items	Ban NongChok						Ban Tha Phayom						Total	
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total			
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%		
7.Grass	18	100.0	27	100.0	45	100.0	18	100.0	13	100.0	31	100.0	76	100.0
- No Answer	18	100.0	27	100.0	45	100.0	17	94.4	13	100.0	30	96.8	75	98.7
- Answer	-	-	-	-	-	-	1	5.6	-	-	1	3.2	1	1.3
- Size of Land	-	-	-	-	-	-	4.0	4.0	-	-	4.0	4.0	4.0	4.0
- No Answer	18	100.0	27	100.0	45	100.0	17	94.4	13	100.0	30	96.8	75	98.7
- Answer	-	-	-	-	-	-	1	5.6	-	-	1	3.2	1	1.3
- Size of Land for New Crop	-	-	-	-	-	-	4.0	4.0	-	-	4.0	4.0	4.0	4.0
Variety Average (Rai)														
1.Nadia Grass	-	-	-	-	-	-	4.0	4.0	-	-	4.0	4.0	4.0	4.0

**TABLE 8 Income of Household
8.2 Off-Farm Income**

Items	Ban NongChok						Ban Tha Phayom						Total	
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total			
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%		
Salary(Baht)	18	100.0	27	100.0	45	100.0	18	100.0	13	100.0	31	100.0	76	100.0
1. 1-5000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2. 5001 - 10000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3. 10001 - 20000	1	33.3	-	-	1	33.3	-	-	-	-	-	-	1	33.3
4. 20001 - 30000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5. 30001 - 40000	1	33.3	-	-	1	33.3	-	-	-	-	-	-	1	33.3
6. 40001 - 50000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. 50001 - 100000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. 100001+	1	33.3	-	-	1	33.3	-	-	-	-	-	-	1	33.3
Yes	3	16.7	-	-	3	6.7	-	-	-	-	-	-	3	3.9
No	15	83.3	-	-	42	93.3	-	-	-	-	-	-	73	96.1
Average	161,100.0		-		161,100.0		-		-		-		161,100.0	
Received from Family Member(Baht)														
1. 1-5000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2. 5001 - 10000	1	33.3	-	-	1	20.0	-	-	-	-	-	-	1	16.7
3. 10001 - 20000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4. 20001 - 30000	1	33.3	2	100.0	3	60.0	-	-	1	100.0	1	100.0	4	66.7
5. 30001 - 40000	1	33.3	-	-	1	20.0	-	-	-	-	-	-	1	16.7
6. 40001 - 50000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. 50001 - 100000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. 100001+	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yes	3	16.7	2	7.4	5	11.1	-	-	1	7.7	1	3.2	6	7.9
No	15	83.3	25	92.6	40	88.9	-	-	12	92.3	30	96.8	70	92.1
Average	22,000.0		30,000.0		25,200.0		-		24,000.0		24,000.0		25,000.0	

**TABLE 8 Income of Household
8.2 Off-Farm Income**

Items	Ban NongChok						Ban Tha Phayom						Total			
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total					
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%			Number	%
General Labour (Bant)																
1. 1-5000	1	20.0	3	21.4	4	21.1	1	20.0	-	-	1	16.7	5	20.0		
2. 5001-10000	1	20.0	1	7.1	2	10.5	1	20.0	-	-			2	8.0		
3. 10001-20000	1	20.0	3	21.4	4	21.1	1	20.0	-	-	1	16.7	5	20.0		
4. 20001-30000	-	-	6	42.9	6	31.6	2	40.0	-	-	-	-	6	24.0		
5. 30001-40000	1	20.0	-	-	1	5.3	-	-	-	-	-	-	1	4.0		
6. 40001-50000	-	-	-	-	-	-	-	-	-	-	-	-	1	4.0		
7. 50001-100000	1	20.0	1	7.1	2	10.5	-	-	1	100.0	-	-	5	20.0		
8. 100001+	-	-	-	-	-	-	-	-	-	-	-	-	3	50.0		
Yes	5	27.8	14	51.9	19	42.2	5	27.8	1	7.7	6	19.4	25	32.9		
No	13	72.2	13	48.1	26	57.8	13	72.2	12	92.3	25	80.6	51	67.1		
Average		30,200.0		23,614.3		25,347.4		38,600.0		70,000.0		43,833.3		29,784.0		

**TABLE 8 Income of Household
8.1 Farm Income**

Items	Ban NongChok						Ban Tha Phayom						Total	
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total			
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%		
Farm Income	18	100.0	27	100.0	45	100.0	18	100.0	13	100.0	31	100.0	76	100.0
Sugarcane(Baht)														
1. 1 - 10000	1	8.3	-	-	1	5.6	-	-	-	-	-	-	1	4.2
2. 10001 - 20000	1	8.3	1	16.7	2	11.1	1	16.7	-	-	1	16.7	3	12.5
3. 20001 - 30000	1	8.3	1	16.7	2	11.1	1	16.7	-	-	1	16.7	3	12.5
4. 30001 - 40000	4	33.3			4	22.2	-	-	-	-	-	-	4	16.7
5. 40001 - 50000	1	8.3	1	16.7	2	11.1	2	33.3	-	-	2	33.3	4	16.7
6. 50001 - 100000	4	33.3	3	50.0	7	38.9	-	-	-	-	-	-	7	29.2
7. 100001+	0	-	-	-	-	-	2	33.3	-	-	2	33.3	2	8.3
Yes	12	66.7	6	22.2	18	40.0	6	33.3	-	-	6	19.4	24	31.6
No	6	33.3	21	77.8	27	60.0	12	66.7	-	-	25	80.6	52	68.4
Average		50,966.7		52,500.0		51,477.8		136,666.7		-		136,666.7		72,775.0
Pineapple (Baht)														
1. 1 - 10000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2. 10001 - 20000	3	37.5	2	8.3	5	15.6	-	-	-	-	-	-	5	14.7
3. 20001 - 30000	1	12.5	3	12.5	4	12.5	-	-	-	-	-	-	4	11.8
4. 30001 - 40000	-	-	1	4.2	1	3.1	-	-	1	50.0	1	50.0	2	5.9
5. 40001 - 50000	2	25.0	7	29.2	9	28.1	-	-	1	50.0	-	-	9	26.5
6. 50001 - 100000	1	12.5	7	29.2	8	25.0	-	-	-	-	1	50.0	9	26.5
7. 100001+	1	12.5	4	16.7	5	15.6	-	-	-	-	-	-	5	14.7
Yes	8	44.4	24	88.9	32	71.1	-	-	2	15.4	2	6.5	34	44.7
No	10	55.6	3	11.1	13	28.9	-	-	11	84.6	29	93.5	42	55.3
Average		63,500.0		81,000.0		76,625.0		-		70,000.0		70,000.0		76,235.3

**TABLE 8 Income of Household
8.1 Farm Income**

Items	Ban NongChok						Ban Tha Phayom						Total	
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total			
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%		
Agricultural Base Income	18	100.0	27	100.0	45	100.0	18	100.0	13	100.0	31	100.0	76	100.0
Maize (Baht)														
1. 1 - 10000	1	100.0	-	-	1	100.0	1	33.3	-	-	1	11.1	2	20.0
2. 10001 - 20000	-	-	-	-	-	-	-	-	1	16.7	1	11.1	1	10.0
3. 20001 - 30000	-	-	-	-	-	-	1	33.3	2	33.3	3	33.3	3	30.0
4. 30001 - 40000	-	-	-	-	-	-	-	-	1	16.7	1	11.1	1	10.0
5. 40001 - 50000	-	-	-	-	-	-	-	-	1	16.7	1	11.1	1	10.0
6. 50001 - 100000	-	-	-	-	-	-	1	33.3	1	16.7	2	22.2	2	20.0
7. 100001+	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yes	1	5.6	-	-	1	2.2	3	16.7	6	46.2	9	29.0	10	13.2
No	17	94.4	-	-	44	97.8	15	83.3	7	53.8	22	71.0	66	86.8
Average		5,000.0		-		5,000.0		43,833.3		39,833.3		41,166.7		37,550.0
Cassava (Baht)														
1. 1 - 10000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2. 10001 - 20000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3. 20001 - 30000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4. 30001 - 40000	-	-	-	-	-	-	1	100.0	-	-	1	100.0	1	100.0
5. 40001 - 50000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6. 50001 - 100000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. 100001+	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yes	-	-	-	-	-	-	1	5.6	-	-	1	3.2	-	-
No	-	-	-	-	-	-	17	94.4	-	-	30	96.8	75	98.7
Average		-		-		-		40,000.0		-		40,000.0		40,000.0

**TABLE 8 Income of Household
8.1 Farm Income**

Items	Ban NongChok						Ban Tha Phayom							
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Cucumber (Baht)	18	100.0	27	100.0	45	100.0	18	100.0	13	100.0	31	100.0	76	100.0
1. 1- 5000	-	-	-	-	-	-	-	-	1	50.0	1	50.0	1	50.0
2. 5001 - 10000	-	-	-	-	-	-	-	-	1	50.0	1	50.0	1	50.0
3. 10001 - 20000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4. 20001 - 30000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5. 30001 - 40000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6. 40001 - 50000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. 50001 - 100000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. 100001+	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yes	-	-	-	-	-	-	-	-	2	15.4	2	6.5	2	2.6
No	-	-	-	-	-	-	-	-	11	84.6	29	93.5	74	97.4
Average	-	-	-	-	-	-	-	-	7,500.0	7,500.0	7,500.0	7,500.0	74	97.4
Eggplant (Baht)														
1. 1- 5000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2. 5001 - 10000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3. 10001 - 20000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4. 20001 - 30000	-	-	-	-	-	-	1	50.0	-	-	1	50.0	1	50.0
5. 30001 - 40000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6. 40001 - 50000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. 50001 - 100000	-	-	-	-	-	-	1	50.0	-	-	1	50.0	1	50.0
8. 100001+	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yes	-	-	-	-	-	-	2	11.1	-	-	2	6.5	2	2.6
No	-	-	-	-	-	-	16	88.89	-	-	29	93.5	74	97.4
Average	-	-	-	-	-	-	55,000.0	55,000.0	-	-	55,000.0	55,000.0	74	97.4

**TABLE 8 Income of Household
8.1 Farm Income**

Items	Ban NongChok						Ban Tha Phayom						Total	
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total			
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%		
Yard Bean (Baht)	18	100.0	27	100.0	45	100.0	18	100.0	13	100.0	31	100.0	76	100.0
1. 1-5000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2. 5001 - 10000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3. 10001 - 20000	-	-	-	-	-	-	1	100.0	-	-	1	100.0	1	100.0
4. 20001 - 30000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5. 30001 - 40000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6. 40001 - 50000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. 50001 - 100000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. 100001+	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yes	-	-	-	-	-	-	1	5.6	-	-	1	3.2	1	1.3
No	-	-	-	-	-	-	17	94.4	-	-	30	96.8	75	98.7
Average	-	-	-	-	-	-	-	13,000.0	-	-	-	13,000.0	-	13,000.0
Asparagus (Baht)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1. 1- 5000	-	-	1	100.0	1	50.0	-	-	-	-	-	-	1	50.0
2. 5001 - 10000	1	100.0	-	-	1	50.0	-	-	-	-	-	-	1	50.0
3. 10001 - 20000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4. 20001 - 30000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5. 30001 - 40000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6. 40001 - 50000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. 50001 - 100000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. 100001+	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yes	1	5.6	1	3.7	2	4.4	-	-	-	-	-	-	2	2.6
No	17	94.4	26	96.3	43	95.6	-	-	-	-	-	-	74	97.4
Average	-	8,000.0	-	4,000.0	-	6,000.0	-	-	-	-	-	-	-	6,000.0

**TABLE 8 Income of Household
8.1 Farm Income**

Items	Ban NongChok						Ban Tha Phayom						Total	
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total			
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%		
Cabbage (Baht)	18	100.0	27	100.0	45	100.0	18	100.0	13	100.0	31	100.0	76	100.0
1. 1- 5000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2. 5001 - 10000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3. 10001 - 20000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4. 20001 - 30000	-	-	1	100.0	1	100.0	-	-	-	-	-	-	1	100.0
5. 30001 - 40000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6. 40001 - 50000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. 50001 - 100000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. 100001+	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yes	-	-	1	3.7	1	2.2	-	-	-	-	-	-	1	1.3
No	-	-	26	96.3	44	97.8	-	-	-	-	-	-	75	98.7
Average	-	-	-	25,000.0	-	25,000.0	-	-	-	-	-	-	-	25,000.0
Other Vegetables (Baht)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1. 1- 5000	1	50.0	1	33.3	2	40.0	1	14.3	-	-	1	11.1	3	21.4
2. 5001 - 10000	1	50.0	-	-	1	20.0	-	-	1	50.0	1	11.1	2	14.3
3. 10001 - 20000	-	-	1	33.3	1	20.0	3	42.9	-	-	3	33.3	4	28.6
4. 20001 - 30000	-	-	-	-	-	-	-	-	1	50.0	1	11.1	1	7.1
5. 30001 - 40000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6. 40001 - 50000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. 50001 - 100000	-	-	-	-	-	-	3	42.9	-	-	3	33.3	3	21.4
8. 100001+	-	-	1	33.3	1	20.0	-	-	-	-	-	-	1	7.1
Yes	2	11.1	3	11.1	5	11.1	7	38.9	2	15.4	9	29.0	14	18.4
No	16	88.9	24	88.9	40	88.9	11	61.1	11	84.6	22	71.0	62	81.6
Average	-	4,500.0	-	43,333.3	-	27,800.0	-	36,457.1	-	20,000.0	-	32,800.0	-	31,014.3

**TABLE 8 Income of Household
8.1 Farm Income**

Items	Ban NongChok						Ban Tha Phayom						Total	
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total			
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%		
Cattle (Bant)	18	100.0	27	100.0	45	100.0	18	100.0	13	100.0	31	100.0	76	100.0
1. 1- 5000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2. 5001 - 10000	-	-	-	-	-	-	-	-	-	-	-	-	-	
3. 10001 - 20000	-	-	-	-	-	-	1	25.0	1	33.3	2	28.6	2	18.2
4. 20001 - 30000	-	-	1	50.0	1	25.0	1	25.0	-	-	1	14.3	2	18.2
5. 30001 - 40000	-	-	-	-	-	-	1	25.0	-	-	-	-	-	-
6. 40001 - 50000	1	50.0	-	-	1	25.0	1	25.0	1	33.3	1	14.3	2	18.2
7. 50001 - 100000	-	-	-	-	-	-	-	-	1	33.3	2	28.6	2	18.2
8. 100001+	1	50.0	1	50.0	2	50.0	-	-	-	-	1	14.3	3	27.3
Yes	2	11.1	2	7.4	4	8.9	4	22.2	3	23.1	7	22.6	11	14.5
No	16	88.9	25	92.6	41	91.1	14	77.8	10	76.9	24	77.4	65	85.5
Average	80,000.0		67,000.0		73,500.0		117,500.0		56,666.7		91,428.6		84,909.1	
Other Animals (Bant)														
1. 1- 5000	-	-	1	100.0	1	100.0	-	-	-	-	-	-	1	50
2. 5001 - 10000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3. 10001 - 20000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4. 20001 - 30000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5. 30001 - 40000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6. 40001 - 50000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. 50001 - 100000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. 100001+	-	-	-	-	-	-	1	100.0	-	-	1	100.0	1	50.0
Yes	-	-	1	3.7	1	2.2	1	5.6	-	-	-	-	2	2.6
No	-	-	26	96.3	44	97.8	17	94.4	-	-	30	96.8	74	97.4
Average			1,000.0		1,000.0		300,000.0				300,000.0		150,500.0	

**TABLE 8 Income of Household
8.2 Off-Farm Income**

Items	Ban NongChok						Ban Tha Phayom						Total			
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total					
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%				
Off-Farm income																
Collect Forest Product (Bant)	18	100.0	27	100.0	45	100.0	18	100.0	13	100.0	31	100.0	76	100.0		
1. 1- 5000	-	-	1	50.0	1	50.0	-	-	-	-	-	-	1	50.0		
2. 5001 - 10000	-	-	1	50.0	1	50.0	-	-	-	-	-	-	1	50.0		
3. 10001 - 20000	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
4. 20001 - 30000	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
5. 30001 - 40000	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
6. 40001 - 50000	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
7. 50001 - 100000	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
8. 100001+	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Yes	-	-	2	7.4	2	4.4	-	-	-	-	-	-	-	-	2	2.6
No	-	-	25	92.6	43	95.6	-	-	-	-	-	-	-	-	74	97.4
Average	-	-		7,500.0		7,500.0	-	-	-	-	-	-	-	-		7,500.0
Fish(Baht)																
1. 1- 5000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2. 5001 - 10000	-	-	-	-	-	-	1	100.0	-	-	1	3.2	1	100.0	-	-
3. 10001 - 20000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4. 20001 - 30000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5. 30001 - 40000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6. 40001 - 50000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. 50001 - 100000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. 100001+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yes	-	-	-	-	-	-	1	5.6	-	-	1	2.2	1	1.3	-	-
No	-	-	-	-	-	-	17	94.4	-	-	30	96.8	75	98.7	-	-
Average	-	-	-	-	-	-		10,000.0				10,000.0				10,000.0

**TABLE 8 Income of Household
8.2 Off-Farm Income**

Items	Ban NongChok						Ban Tha Phayom						Total			
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total					
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%				
Work as Labor in Agricultural sector (Baht)																
1. 1- 5000	-	-	1	33.3	1	25.0	3	75.0	-	-	3	75.0	4	50.0		
2. 5001 - 10000	1	100.0	1	33.3	2	50.0	-	-	-	-	-	-	2	25.0		
3. 10001 - 20000	-	-	-	-	-	-	1	25.0	-	-	1	25.0	1	12.5		
4. 20001 - 30000	-	-	1	33.3	1	25.0	-	-	-	-	-	-	1	12.5		
5. 30001 - 40000	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
6. 40001 - 50000	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
7. 50001 - 100000	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
8. 100001+	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Yes	1	5.6	3	11.1	4	8.9	4	22.2	-	-	4	12.9	8	10.5		
No	17	94.4	24	88.9	41	91.1	14	77.8	-	-	27	87.1	68	89.5		
Average		10,000.0		13,333.3		12,500.0		5,892.5				5,892.5		9,191.3		
Other Income (Baht)																
1. 1- 5000	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
2. 5001 - 10000	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
3. 10001 - 20000	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
4. 20001 - 30000	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
5. 30001 - 40000	-	-	-	-	-	-	1	100.0	-	-	1	100.0	1	100.0		
6. 40001 - 50000	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
7. 50001 - 100000	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
8. 100001+	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Yes	-	-	-	-	-	-	1	5.6	-	-	1	3.2	1	1.3		
No	-	-	-	-	-	-	17	94.4	-	-	30	96.8	75	98.7		
Average		-		-		-		40,000.0				40,000.0		40,000.0		

**TABLE 8 Income of Household
8.2 Off-Farm Income**

Items	Ban NongChok						Ban Tha Phayom						Total	
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Salary(Baht)	18	100.0	27	100.0	45	100.0	18	100.0	13	100.0	31	100.0	76	100.0
1. 1-5000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2. 5001 - 10000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3. 10001 - 20000	1	33.3	-	-	1	33.3	-	-	-	-	-	-	1	33.3
4. 20001 - 30000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5. 30001 - 40000	1	33.3	-	-	1	33.3	-	-	-	-	-	-	1	33.3
6. 40001 - 50000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. 50001 - 100000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. 100001+	1	33.3	-	-	1	33.3	-	-	-	-	-	-	1	33.3
Yes	3	16.7	-	-	3	6.7	-	-	-	-	-	-	3	3.9
No	15	83.3	-	-	42	93.3	-	-	-	-	-	-	73	96.1
Average	161,100.0		-		161,100.0		-		-		-		161,100.0	
Received rom Family Member(Baht)														
1. 1-5000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2. 5001 - 10000	1	33.3	-	-	1	20.0	-	-	-	-	-	-	1	16.7
3. 10001 - 20000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4. 20001 - 30000	1	33.3	2	100.0	3	60.0	-	-	1	100.0	1	100.0	4	66.7
5. 30001 - 40000	1	33.3	-	-	1	20.0	-	-	-	-	-	-	1	16.7
6. 40001 - 50000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. 50001 - 100000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. 100001+	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yes	3	16.7	2	7.4	5	11.1	-	-	1	7.7	1	3.2	6	7.9
No	15	83.3	25	92.6	40	88.9	-	-	12	92.3	30	96.8	70	92.1
Average	22,000.0		30,000.0		25,200.0		-		24,000.0		24,000.0		25,000.0	

**TABLE 8 Income of Household
8.2 Off-Farm Income**

Items	Ban NongChok						Ban Tha Phayom						Total			
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total					
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%			Number	%
General Labour (Baht)																
1. 1-5000	1	20.0	3	21.4	4	21.1	1	20.0	-	-	1	16.7	5	20.0		
2. 5001 - 10000	1	20.0	1	7.1	2	10.5	1	20.0	-	-			2	8.0		
3. 10001 - 20000	1	20.0	3	21.4	4	21.1	1	20.0	-	-	1	16.7	5	20.0		
4. 20001 - 30000	-	-	6	42.9	6	31.6	2	40.0	-	-	-	-	6	24.0		
5. 30001 - 40000	1	20.0	-	-	1	5.3	-	-	-	-	-	-	1	4.0		
6. 40001 - 50000	-	-	-	-	-	-	-	-	-	-	-	-	1	4.0		
7. 50001 - 100000	1	20.0	1	7.1	2	10.5	-	-	1	100.0	-	-	5	20.0		
8. 100001+	-	-	-	-	-	-	-	-	-	-	3	50.0	-	-		
Yes	5	27.8	14	51.9	19	42.2	5	27.8	1	7.7	6	19.4	25	32.9		
No	13	72.2	13	48.1	26	57.8	13	72.2	12	92.3	25	80.6	51	67.1		
Average		30,200.0		23,614.3		25,347.4		38,600.0		70,000.0		43,833.3		29,784.0		

**TABLE 8 Income of Household
8.2 Off-Farm Income**

Items	Ban NongChok						Ban Tha Phayom						Total	
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total			
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%		
Other Income	18	100.0	27	100.0	45	100.0	18	100.0	13	100.0	31	100.0	76	100.0
1. 1- 5000	1	20.0	3	21.4	4	21.1	1	20.0	-	-	1	16.7	5	20.0
2. 5001 - 10000	1	20.0	1	7.1	2	10.5	1	20.0	-	-	-	-	2	8.0
3. 10001 - 20000	1	20.0	3	21.4	4	21.1	1	20.0	-	-	1	16.7	5	20.0
4. 20001 - 30000	-	-	6	42.9	6	31.6	2	40.0	-	-	-	-	6	24.0
5. 30001 - 40000	1	20.0	-	-	1	5.3	-	-	-	-	-	-	1	4.0
6. 40001 - 50000	-	-	-	-	-	-	-	-	-	-	1	16.7	1	4.0
7. 50001 - 100000	1	20.0	1	7.1	2	10.5	-	-	1	100.0	-	-	5	20.0
8. 100001+	-	-	-	-	-	-	-	-	-	-	3	50.0	-	-
Yes	5	27.8	14	51.9	19	42.2	5	27.8	1	7.7	6	19.4	25	32.9
No	13	72.2	13	48.1	26	57.8	13	72.2	12	92.3	25	80.6	51	67.1
Average	30,200.0		23,614.3		25,347.4		38,600.0		70,000.0		43,833.3		29,784.0	

**TABLE 8 Income of Household
8.3 Debt**

Items	Ban NongChok						Ban Tha Phayom					
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Sample Size	18	100.0	27	100.0	45	100.0	18	100.0	13	100.0	31	100.0
Debt (Baht)												
- Have Debt (People)	18	100.0	21	77.8	39	86.7	14	77.8	11	84.6	25	80.6
- Without Debt (People)	0	-	6	22.2	6	13.3	4	22.2	2	15.4	6	19.4
1. 1 - 10,000			2	9.5	2	5.1	2	14.3	0	-	2	8.0
2. 10,001 - 20,000	1	5.6	4	19.0	5	12.8	0	0.0	0	-	0	-
3. 20,001 - 30,000	0	-	1	4.8	1	2.6	1	7.1	0	-	1	4.0
4. 30,001 - 40,000	0	-	0	0.0	0	-	0	0.0	2	18.2	2	8.0
5. 40,001 - 50,000	1	5.6	1	4.8	2	5.1	1	7.1	0	-	1	4.0
6. 50,001 - 100,000	11	61.1	9	42.9	20	51.3	1	7.1	5	45.5	6	24.0
7. 100,001 - 200,000	3	16.7	3	14.3	6	15.4	4	28.6	2	18.2	6	24.0
8. 200,001 - 300,000	1	5.6	1	4.8	2	5.1	3	21.4	1	9.1	4	16.0
9. 300,001 up	1	5.6	0	-	1	2.6	2	14.3	0	-	2	8.0
Average	109,555.6		57,274.1		78,186.7		129,011.1		89,615.4		109,555.6	
											92,178.9	

**TABLE 8 Income of Household
8.4 Saving**

Items	Ban NongChok						Ban Tha Phayom						Total	
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total			
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Saving (Baht)														
- No Answer (People)	6	33.3	4	22.2	10	22.2	0	-	8	61.5	8	25.8	18	23.7
- Have Saving (Baht)	12	66.7	23	77.8	35	77.8	10	55.6	5	38.5	15	48.4	50	65.8
- No Saving (Baht)	0	-	0	-	0	-	8	44.4	0	-	8	25.8	8	10.5
1. 1 - 10,000	11	91.7	15	71.4	26	78.8	9	90.0	0	-	9	60.0	35	70.0
2. 10,001 - 20,000	0	-	3	14.3	3	9.1	0	-	0	-	0	-	3	37.5
3. 20,001 - 30,000	0	-	3	14.3	3	9.1	0	-	0	-	0	-	3	8.6
4. 30,001 - 40,000	1	8.3	0	-	1	3.0	0	-	0	-	0	-	1	33.3
5. 40,001 - 50,000	0	-	0	-	0	-	1	10.0	5	100.0	6	40.0	6	200.0
6. 50,001 - 100,000	0	-	0	-	0	-	0	-	0	-	0	-	0	-
Average	6,101.7		8,859.0		7,856.4		8,218.0		1,712.0		6,101.7		7,291.7	

TABLE 9 Provision/Buying of Production Inputs for Household

Items	Ban NongChok						Ban Tha Phayom						Total	
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total			
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%		
Type of Crop	18	100.00	27	100.0	45	100.0	18	100.0	13	100.0	31	100.0	76	100.0
Average expenditure	81,980.00		95,991.3		90,460.5		119,400.0		100,750.0		110,448.0		98,392.1	
Sugarcane														
1.Seedling	8,400.00		8,000.0		8,300.0		8,400.0		0		5,480.0		6,733.3	
2.Chemical fertilizer	9,100.00		5,875.0		7,810.0		9,250.0		0		9,250.0		8,350.0	
3.Insecticide	4,200.00		0		4,200.0		250.0		0		250.0		3,212.5	
4.Herbicide	3,976.67		2,750.0		3,486.0		5,450.0		0		5,450.0		4,222.5	
5.Rent of machine	3,545.00		6,000.0		4,036.0		4,100.0		0		4,100.0		4,060.0	
6.Repairs of equipment	2,000.00		0		2,000.0		3,100.0		0		3,100.0		2,916.7	
7.Fuel	1,500.00		500.0		1,166.7		5,050.0		0		5,050.0		3,108.3	
8.Labor Cost	6,200.00		6,750.0		6,357.1		8,825.0		0		8,825.0		7,254.5	
9.Transportation	22,016.00		9,850.0		18,973.8		35,040.0		0		35,040.0		23,355.5	
10.Water Fee	190.00		100.0		167.5		0		0		0		5,480.0	
Total	61,126.67		39,825.0		56,497.1		79,465.0		68,693.3		76,545.0		68,693.3	

TABLE 9 Provision/Buying of Production Inputs for Household (continued)

Items	Ban NongChok						Ban Tha Phayom							
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Pineapple	18	100.0	27	100.0	45	100.0	18	100.0	13	100.0	31	100.0	76	100.0
1.Seedling	28,583.3		28,100.0		28,293.3		2,000.0		9,000.0		2,000.0		26,650.0	
2.Chemical fertilizer	10,000.0		14,526.3		13,440.0		300.0		1,500.0		6,100.0		12,653.6	
3.Insecticide	4,833.3		14,526.3		7,366.7		100.0		0		100.0		6,328.6	
4.Herbicide	7,511.7		9,900.0		7,920.4		100.0		5,100.0		3,433.3		7,402.7	
5.Rent of machine	2,375.0		3,814.4		3,371.5		300.0		0		300.0		3,152.1	
6.Repaire of equipment	6,000.0		9,625.0		8,416.7		500.0		0		500.0		7,285.7	
7.Fuel	1,750.0		3,230.0		2,807.1		150.0		1,300.0		916.7		2,473.5	
8.Labor Cost	28,014.3		5,890.7		12,930.0		100.0		0		100.0		12,372.2	
9.Transportation	5,300.0		1,737.5		3,107.7		100.0		2,000.0		1,050.0		2,833.3	
10.Water Fee	0		100.0		100.0		0		0		0		100.0	
11.Etc.	0		6,750.0		6,750.0		0		0		0		6,750.0	
Total	94,367.6		98,200.2		94,503.5		3,650.0		18,900.0		14,500.0		88,001.7	

TABLE 9 Provision/Buying of Production Inputs for Household (continued)

Items	Ban NongChok						Ban Tha Phayom						Total	
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total			
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%		
Cassava	18	100.0	27	100.0	45	100.00	18	100.0	13	100.0	31	100.0	76	100.0
1. Seedling	0		0		0		2,000.0		0		2,000.0		2,000.0	
2. Chemical fertilizer	0		0		0		300.0		0		300.0		300.0	
3. Insecticide	0		0		0		100.0		0		100.0		100.0	
4. Herbicide	0		0		0		100.0		0		100.0		100.0	
5. Rent of machine	0		0		0		300.0		0		300.0		300.0	
6. Repaire of equipment	0		0		0		500.0		0		500.0		500.0	
7. Fuel	0		0		0		150.0		0		150.0		150.0	
8. Labor Cost	0		0		0		100.0		0		100.0		100.0	
9. Transportation	0		0		0		100.0		0		100.0		100.0	
10. Water Fee	0		0		0		0		0		0		0	
11. Etc.	0		0		0		0		0		0		0	
Total	0		0		0		3,650.0		0		3,650.0		3,650.0	

TABLE 9 Provision/Buying of Production Inputs for Household (continued)

Items	Ban NongChok						Ban Tha Phayom						Total	
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total			
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%		
Vegetable	18	100.0	27	100.0	45	100.0	18	100.0	13	100.0	31	100.0	76	100.0
1.Seedling	2,500.0		6,580.0		5,560.0		8,672.5		2,760.0		6,398.5		6,201.2	
2.Chemical fertilizer	500.0		4,833.3		3,750.0		14,571.3		21,570.0		17,263.1		14,083.5	
3.Insecticide	0		856.7		856.7		19,542.9		10,500.0		17,533.3		13,364.2	
4.Herbicide	200.0		1,100.0		800.0		5,750.0		1,094.0		3,633.6		3,026.4	
5.Rent of machine	2,500.0		2,212.8		2,356.7		4,202.0		500.0		3,585.0		3,175.6	
6.Repaire of equipment	0		2,285.0		0		2,750.0		0		2,750.0		2,750.0	
7.Fuel	0		1,750.0		1,750.0		3,125.0		0		3,125.0		2,666.7	
8.Labor Cost	500.0		3,680.0		2,885.0		15,210.0		2,520.0		13,397.1		9,574.5	
9.Transportation	500.0		8,400.0		4,450.0		1,500.0		0		1,500.0		2,975.0	
10.Water Fee	0		100.0		100.0		1,200.0		750.0		975.0		683.3	
11.Etc.	0		0				0		0		0		0	
Total	6,700.0		31,797.8		22,508.3		76,523.6		39,694.0		70,160.7		58,500.4	

TABLE 9 Provision/Buying of Production Inputs for Household (continued)

Items	Ban NongChok						Ban Tra Phayom							
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Flower	18	100.0	27	100.0	45	100.0	18	100.0	13	100.0	31	100.0	76	100.0
1. Seedling	0		0		0		0		0		0		0	
2. Chemical fertilizer	0		0		0		0		0		0		0	
3. Insecticide	0		0		0		0		0		0		0	
4. Herbicide	0		0		0		0		0		0		0	
5. Rent of machine	0		0		0		0		0		0		0	
6. Repair of equipment	0		0		0		0		0		0		0	
7. Fuel	0		0		0		0		0		0		0	
8. Labor Cost	0		0		0		0		0		0		0	
9. Transportation	0		0		0		0		0		0		0	
10. Water Fee	0		0		0		0		0		0		0	
11. Etc.	0		0		0		6,000.0		0		6,000.0		6,000.0	
Total	0		0		0		6,000.0		0		6,000.0		6,000.0	

**TABLE 10 Agricultural Productivity Management
10.1 Sugarcane**

Items	Ban NongChok						Ban Tha Phayom						Total			
	Direct Beneficiaries			Possible Future Beneficiaries (Nearby Households)			Direct Beneficiaries			Possible Future Beneficiaries (Nearby Households)					Sub-Total	
	Number	%		Number	%		Number	%		Number	%				Number	%
Sample Size	18	100.0		27	100.0		18	100.0		13	100.0		31	100.0	76	100.0
Product Management																
1. Sugarcane																
Household Consumption	-	-		-	-		-	-		-	-		-	-	-	-
Keep for seedling	-	-		-	-		2	11.1		-	-		2	6.5	2	2.6
Average (Ton)	-	-		-	-		495.0			-	-		495.0		495.0	
Sell to factory	8	44.4		2	7.4		4	22.2		-	-		4	12.9	14	18.4
Average (Ton)	163.1			125.0			580.3			-	-		580.3		276.9	
Price (Bahy/Ton)	580.0			570.0			585.0			-	-		585.0		580.0	
Sell to middlemen	-	-		3	11.1		-	-		-	-		-	-	3	3.9
Average (Ton)	-	-		103.3			-	-		-	-		-	-	103.3	
Price (Bahy/Ton)	-	-		480.0			-	-		-	-		-	-	480.0	
Sell at the market place	-	-		-	-		-	-		-	-		-	-	-	-
Average (Ton)	-	-		-	-		-	-		-	-		-	-	-	-
Price (Bahy/Ton)	-	-		-	-		-	-		-	-		-	-	-	-
Sell to others	-	-		-	-		-	-		-	-		-	-	-	-
Average (Ton)	-	-		-	-		-	-		-	-		-	-	-	-
Price (Bahy/Ton)	-	-		-	-		-	-		-	-		-	-	-	-

**TABLE 10 Agricultural Productivity Management
10.2 Pineapple**

Items	Ban NongChok						Ban Tha Phayom						Total	
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Number	%
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%		
Sample Size	18	100.0	27	100.0	45	100.0	18	100.0	13	100.0	31	100.0	76	100.0
Product Management														
2. Pineapple														
Household Consumption	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Keep for seedling	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average (Ton)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sell to factory	6	33.3	12	44.4	18	40.0	1	5.6	1	7.7	2	6.5	20	26.3
Average (Ton)	18.2		24.8		22.6		100.0		8.0		54.0		25.8	
Price (Bahr/Ton)	3,743.3		4,054.5		3,944.7		4,000.0		4,000.0		4,000.0		3,972.4	
Sell to middlemen	2	11.1	6	22.2	8	17.8	-	-	2	15.4	2	6.5	10	13.2
Average (Ton)	12.5		19.7		17.9		-		17.0		17.0		17.7	
Price (Bahr/Ton)	3,750.0		4,150.0		3,950.0		-		3,500.0		3,500.0		3,725.0	
Sell at the market place	-	-	1	3.7	1	2.2	-	-	-	-	-	-	1	1.3
Average (Ton)	-	-	20.0		20.0		-	-	-	-	-	-	20.0	
Price (Bahr/Ton)	-	-	5,500.0		5,500.0		-	-	-	-	-	-	5,500.0	
Sell to others	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average (Ton)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Price (Bahr/Ton)	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**TABLE 10 Agricultural Productivity Management
10.3 Maize**

Items	Ban NongChok						Ban Tha Phayom							
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Sample Size	18	100.0	27	100.0	45	100.0	18	100.0	13	100.0	31	100.0	76	100.0
Product Management														
3.Maize														
Household Consumption	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Keep for seedling	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average (Ton)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sell to factory	-	-	-	-	-	-	1	5.6	-	-	1	3.2	1	3.2
Average (Ton)	-	-	-	-	-	-	100.0	-	-	-	100.0	-	100.0	-
Price (Baht/Ton)	-	-	-	-	-	-	3,000.0	-	-	-	3,000.0	-	3,000.0	-
Sell to middlemen	-	-	-	-	-	-	3	16.7	5	38.5	8	25.8	8	25.8
Average (Ton)	-	-	-	-	-	-	4.0	-	11.8	-	8.9	-	8.9	-
Price (Baht/Ton)	-	-	-	-	-	-	3,466.7	-	3,466.0	-	3,466.0	-	3,466.0	-
Sell at the market place	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average (Ton)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Price (Baht/Ton)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sell to others	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average (Ton)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Price (Baht/Ton)	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**TABLE 10 Agricultural Productivity Management
10.4 Cassava**

Items	Ban NongChok						Ban Tha Phayom						Total	
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total			
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%		
Sample Size	18	100.0	27	100.0	45	100.0	18	100.0	13	100.0	31	100.0	76	100.0
Product Management														
4. Cassava														
Household Consumption	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Keep for seedling	-	-	-	-	-	-	1	5.6	-	-	1	3.2	1	3.2
Average (Ton)	-	-	-	-	-	-	100.0	100.0	-	-	100.0	100.0	100.0	100.0
Sell to factory	-	-	-	-	-	-	1	5.6	-	-	1	3.2	1	3.2
Average (Ton)	-	-	-	-	-	-	100.0	100.0	-	-	100.0	100.0	100.0	100.0
Price (Baht/Ton)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sell to middlemen	-	-	-	-	-	-	-	-	1	7.7	1	3.2	1	3.2
Average (Ton)	-	-	-	-	-	-	-	-	3.0	3.0	3.0	3.0	3.0	3.0
Price (Baht/Ton)	-	-	-	-	-	-	-	-	750.0	750.0	750.0	750.0	750.0	750.0
Sell at the market place	-	-	1	3.7	1	2.2	-	-	-	-	-	-	1	3.2
Average (Ton)	-	-	6.0	6.0	6.0	6.0	-	-	-	-	-	-	6.0	6.0
Price (Baht/Ton)	-	-	750.0	750.0	750.0	750.0	-	-	-	-	-	-	750.0	750.0
Sell to others	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average (Ton)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Price (Baht/Ton)	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**TABLE 10 Agricultural Productivity Management
10.5 Vegetable**

Items	Ban NongChok						Ban Tha Phayom						Total	
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total			
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%		
Sample Size	18	100.0	27	100.0	45	100.0	18	100.0	13	100.0	31	100.0	76	100.0
Product Management														
5. Vegetable														
Household Consumption	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Keep for seedling	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average (Ton)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sell to factory	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average (Ton)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Price (Baht/Ton)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sell to middlemen	-	-	-	-	-	-	1	5.6	-	-	-	-	1	5.6
Average (Ton)	-	-	-	-	-	-	50.0	-	-	-	-	-	50.0	-
Price (Baht/Ton)	-	-	-	-	-	-	9,000.0	-	-	-	-	-	9,000.0	-
Sell at the market place	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average (Ton)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Price (Baht/Ton)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sell to others	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average (Ton)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Price (Baht/Ton)	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**TABLE 10 Agricultural Productivity Management
10.6 Flower**

Items	Ban NongChok						Ban Tha Phayom						Total	
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total			
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%		
Sample Size	18	100.0	27	100.0	45	100.0	18	100.0	13	100.0	31	100.0	76	100.0
Product Management														
6. Flower														
Household Consumption	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Keep for seedling	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average (Ton)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sell to factory	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average (Ton)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Price (Baht/Ton)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sell to middlemen	-	-	-	-	-	-	1	5.6	-	-	1	3.2	1	3.2
Average (Ton)	-	-	-	-	-	-	20.0	20.0	-	-	20.0	20.0	20.0	20.0
Price (Baht/Ton)	-	-	-	-	-	-	8,000.0	8,000.0	-	-	8,000.0	8,000.0	8,000.0	8,000.0
Sell at the market place	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average (Ton)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Price (Baht/Ton)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sell to others	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average (Ton)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Price (Baht/Ton)	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**TABLE 11 Evaluation and Participation of Groups
11.1 Group Evaluation**

Items	Ban NongChok						Ban Tha Phayom						Total	
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total			
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%		
Sample Size	18	100.0	27	100.0	45	100.0	18	100.0	13	100.0	31	100.0	76	100.0
1. Water User Group														
- No Answer	1	5.6	10	37.0	11	24.4			7	53.8	7	22.6	18	23.7
- To be improved	1	5.6	4	14.8	5	11.1	1	5.6	2	15.4	3	9.7	8	10.5
- Good	11	61.1	10	37.0	21	46.7	14	77.8	3	23.1	17	54.8	38	50.0
- Excellent	5	27.8	3	11.1	8	17.8	3	16.7	1	7.7	4	12.9	12	15.8
2. Pineapple Group														
- No Answer	3	16.7	3	11.1	6	13.3	14	77.8	10	76.9	24	77.4	30	39.5
- To be improved									1	7.7	1	3.2	1	1.3
- Good	13	72.2	22	81.5	35	77.8	4	22.2	1	7.7	5	16.1	40	52.6
- Excellent	2	11.1	2	7.4	4	8.9			1	7.7	1	3.2	5	6.6
3. Sugarcane Group														
- No Answer	4	22.2	8	29.6	12	26.7	12	66.7	8	61.5	20	64.5	32	42.1
- To be improved							1	5.6	2	15.4	3	9.7	3	3.9
- Good	13	72.2	18	66.7	31	68.9	5	27.8	2	15.4	7	22.6	38	50.0
- Excellent	1	5.6	1	3.7	2	4.4			1	7.7	1	3.2	3	3.9
4. Housewife Group														
- No Answer	2	11.1	4	14.8	6	13.3	10	55.6	8	61.5	18	58.1	24	31.6
- To be improved									1	7.7	1	3.2	1	1.3
- Good	15	83.3	19	70.4	34	75.6	7	38.9	3	23.1	10	32.3	44	57.9
- Excellent	1	5.6	4	14.8	5	11.1	1	5.6	1	7.7	2	6.5	7	9.2

**TABLE 11 Evaluation and Participation of Groups
11.1 Group Evaluation**

Items	Ban NongChok						Ban Tha Phayom						Total	
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total			
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%		
5. RID/Study Team	18	100.0	27	100.0	45	100.0	18	100.0	13	100.0	31	100.0	76	100.0
- No Answer	3	16.7	10	37.0	13	28.9	5	27.8	8	61.5	13	41.9	26	34.2
- To be improved			1	3.7	1	2.2					2	6.5	3	3.9
- Good	13	72.2	14	51.9	27	60.0	8	44.4	2	15.4	8	25.8	35	46.1
- Excellent	2	11.1	2	7.4	4	8.9	5	27.8	3	23.1	8	25.8	12	15.8
6. District DOAE														
- No Answer	2	11.1	8	29.6	10	22.2	2	11.1	8	61.5	10	32.3	20	26.3
- To be improved	2	11.1	2	7.4	4	8.9	1	5.6	3	23.1	4	12.9	8	10.5
- Good	13	72.2	15	55.6	28	62.2	12	66.7	1	7.7	13	41.9	41	53.9
- Excellent	1	5.6	2	7.4	3	6.7	3	16.7	1	7.7	4	12.9	7	9.2
7. DOCP														
- No Answer	4	22.2	9	33.3	13	28.9	3	16.7	8	61.5	11	35.5	24	31.6
- To be improved	1	5.6	1	3.7	2	4.4	1	5.6	2	15.4	3	9.7	5	6.6
- Good	13	72.2	16	59.3	29	64.4	12	66.7	2	15.4	14	46.2	43	56.6
- Excellent			1	3.7	1	2.2	2	11.1	1	7.7	3	9.7	4	5.3
8. LDD														
- No Answer	3	16.7	7	25.9	10	22.2			8	61.5	12	38.7	22	28.9
- To be improved	1	5.6	1	3.7	2	4.4	4	22.2	2	15.4	2	6.5	4	5.3
- Good	14	77.8	15	55.6	29	64.4	10	55.6	2	15.4	12	38.7	41	53.9
- Excellent			4	14.8	4	8.9	4	22.2	1	7.7	5	16.1	9	11.8

**TABLE 11 Evaluation and Participation of Groups
11.1 Group Evaluation**

Items	Ban NongChok						Ban Tha Phayom						Total	
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total			
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%		
9.DOL	18	100.0	27	100.0	45	100.0	18	100.0	13	100.0	31	100.0	76	100.0
- No Answer	4	22.2	9	33.3	13	28.9			8	61.5	11	35.5	24	31.6
- To be improved			1	3.7	1	2.2	3	16.7	3	23.1	3	9.7	4	5.3
- Good	14	77.8	14	51.9	28	62.2	13	72.2	1	7.7	14	45.2	42	55.3
- Excellent			3	11.1	3	6.7	2	11.1	1	7.7	3	9.7	6	7.9
10.TTC														
- No Answer	2	11.1	9	33.3	11	24.4	4	22.2	8	61.5	12	38.7	23	30.3
- To be improved			1	3.7	1	2.2	1	5.6	2	15.4	3	9.7	4	5.3
- Good	15	83.3	17	63.0	32	71.1	12	66.7	2	15.4	14	45.2	46	60.5
- Excellent	1	5.6			1	2.2	1	5.6	1	7.7	2	6.5	3	3.9
11.TSG														
- No Answer	4	22.2	11	40.7	15	33.3	5	27.8	8	61.5	13	41.9	28	36.8
- To be improved			1	3.7	1	2.2			3	23.1	3	9.7	4	5.3
- Good	13	72.2	13	48.1	26	57.8	10	55.6	1	7.7	11	35.5	37	48.7
- Excellent	1	5.6	2	7.4	3	6.7	3	16.7	1	7.7	4	12.9	7	9.2
12.Other agencies or groups														
- No Answer	17	94.4	25	92.6	42	93.3	12	66.7	12	92.3	24	77.4	66	86.8
- To be improved									1	7.7	1	3.2	1	1.3
- Good	1	5.6	2	7.4	3	6.7	4	22.2			4	12.9	7	9.2
- Excellent							2	11.1			2	6.5	2	2.6

TABLE 11 Evaluation and Participation of Groups
11.2 Group Participation
11.2.1 Organization

Items	Ban NongChok						Ban Tha Phayom						Total	
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Sample Size	18	100.0	27	100.0	45	100.0	18	100.0	13	100.0	31	100.0	76	100.0
1.TTC														
- no participate	7	38.9	17	63.0	24	53.3	11	61.1	12	92.3	23	74.2	47	61.8
- participate	11	61.1	10	37.0	21	46.7	7	38.9	1	7.7	8	25.8	29	38.2
2.WUG														
- no participate	1	5.6	14	51.9	15	33.3	2	11.1	6	46.2	8	25.8	23	30.3
- participate	17	94.4	13	48.1	30	66.7	16	88.9	7	53.8	23	74.2	53	69.7
3.Pineapple Group														
- no participate	4	22.2	7	25.9	11	24.4	17	94.4	11	84.6	28	90.3	39	51.3
- participate	14	77.8	20	74.1	34	75.6	1	5.6	2	15.4	3	9.7	37	48.7
4.Sugarcane Group														
- no participate	5	27.8	14	51.9	19	42.2	13	72.2	11	84.6	24	77.4	43	56.6
- participate	13	72.2	13	48.1	26	57.8	5	27.8	2	15.4	7	22.6	33	43.4
5.Housewife Group														
- no participate	7	38.9	6	22.2	13	28.9	15	83.3	10	76.9	25	80.6	38	50.0
- participate	11	61.1	21	77.8	32	71.1	3	16.7	3	23.1	6	19.4	38	50.0
6.Revolving Fund														
- no participate	1	5.6	11	40.7	12	26.7	10	55.6	8	61.5	18	58.1	30	39.5
- participate	17	94.4	16	59.3	33	73.3	8	44.4	5	38.5	13	41.9	46	60.5
7.Compost Making Group														
- no participate	6	33.3	15	55.6	21	46.7	4	22.2	8	61.5	12	38.7	33	43.4
- participate	12	66.7	12	44.4	24	53.3	14	77.8	5	38.5	19	61.3	43	56.6
8.Other Group														
- no participate	15	83.3	27	100.0	42	93.3	17	94.4	12	92.3	29	93.5	71	93.4
- participate	3	16.7	-	-	3	6.7	1	5.6	1	7.7	2	6.5	5	6.6

**TABLE 11 Evaluation and Participation of Groups
11.2 Group Participation
11.2.2 Activity**

Items	Ban NongChok				Ban Tha Phayom				Total			
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Sample Size	18	100.0	27	100.0	45	100.0	18	100.0	13	100.0	31	100.0
A. Upper Hual Mahad Project												
1. WUG Development Fund												
-No participation	7	38.9	18	66.7	25	55.6	18	100.0	13	100.0	31	100.0
-Participation	11	61.1	9	33.3	20	44.4	-	-	-	-	-	-
2. Demonstration Plot												
2.1 Pineapple												
-No participation	9	50.0	20	74.1	29	64.4	18	100.0	13	100.0	31	100.0
-Participation	9	50.0	7	25.9	16	35.6	-	-	-	-	-	-
2.2 Sugarcane												
-No participation	8	44.4	23	85.2	31	68.9	18	100.0	13	100.0	31	100.0
-Participation	10	55.6	4	14.8	14	31.1	-	-	-	-	-	-
2.3 Vegetable												
-No participation	10	55.6	23	85.2	33	73.3	18	100.0	13	100.0	31	100.0
-Participation	8	44.4	4	14.8	12	26.7	-	-	-	-	-	-
3. Training												
3.1 Improvement quality of sugarcane												
-No participation	5	27.8	14	51.9	19	42.2	18	100.0	13	100.0	31	100.0
-Participation	13	72.2	13	48.1	26	57.8	-	-	-	-	-	-
3.2 Improve price of pineapple												
-No participation	7	38.9	19	70.4	26	57.8	18	100.0	13	100.0	31	100.0
-Participation	11	61.1	8	29.6	19	42.2	-	-	-	-	-	-

**TABLE 11 Evaluation and Participation of Groups
11.2 Group Participation
11.2.2 Activity**

Items	Ban NongChok						Ban Tha Phayom						Total	
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total			
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Sample Size	18	100.0	27	100.0	45	100.0	18	100.0	13	100.0	31	100.0	76	100.0
3.3 Use of compost														
-No participation	7	38.9	18	66.7	25	55.6	18	100.0	13	100.0	31	100.0	56	73.7
-Participation	11	61.1	9	33.3	20	44.4	-	-	-	-	-	-	20	26.3
3.4 Produce and use compost														
-No participation	4	22.2	16	59.3	20	44.4	18	100.0	13	100.0	31	100.0	51	67.1
-Participation	14	77.8	11	40.7	25	55.6	-	-	-	-	-	-	25	32.9
3.5 Operation and maintenance														
-No participation	7	38.9	21	77.8	28	62.2	18	100.0	13	100.0	31	100.0	59	77.6
-Participation	11	61.1	6	22.2	17	37.8	-	-	-	-	-	-	17	22.4
4. Obtain inputs by group														
-No participation	12	66.7	21	77.8	33	73.3	18	100.0	13	100.0	31	100.0	64	84.2
-Participation	6	33.3	6	22.2	12	26.7	-	-	-	-	-	-	12	15.8
5. Installation of tertiary pipe														
-No participation	11	61.1	24	88.9	35	77.8	18	100.0	13	100.0	31	100.0	66	86.8
-Participation	7	38.9	3	11.1	10	22.2	-	-	-	-	-	-	10	13.2
6. Other activities														
-No participation	14	77.8	25	92.6	39	86.7	18	100.0	13	100.0	31	100.0	70	92.1
-Participation	4	22.2	2	7.4	6	13.3	-	-	-	-	-	-	6	7.9

TABLE 11 Evaluation and Participation of Groups
11.2 Group Participation
11.2.2 Activity

Items	Ban NongChok						Ban Tha Phayom						Total	
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Sample Size	18	100.0	27	100.0	45	100.0	18	100.0	13	100.0	31	100.0	76	100.0
B. BTPW														
1. WUG Development Fund														
-No participation	18	100.0	27	100.0	45	100.0	11	61.1	12	92.3	23	74.2	67	88.2
-Participation	-	-	-	-	-	-	7	38.9	1	7.7	8	25.8	8	10.5
2. Demonstration Plot														
2.1 Baby corn														
-No participation	18	100.0	27	100.0	45	100.0	10	55.6	10	76.9	20	64.5	64	84.2
-Participation	-	-	-	-	-	-	8	44.4	3	23.1	11	35.5	12	15.8
2.2 Sweet corn														
-No participation	18	100.0	27	100.0	45	100.0	8	44.4	12	92.3	20	64.5	65	86.5
-Participation	-	-	-	-	-	-	10	55.6	1	7.7	11	35.5	11	14.5
2.3 Vegetable														
-No participation	18	100.0	27	100.0	45	100.0	10	55.6	11	84.6	21	67.7	66	86.8
-Participation	-	-	-	-	-	-	8	44.4	2	15.4	10	32.3	10	13.2
3. Compost Making														
-No participation	18	100.0	27	100.0	45	100.0	3	16.7	10	76.9	13	41.9	58	76.3
-Participation	-	-	-	-	-	-	15	83.3	3	23.1	18	58.1	18	23.7
4. Training														
4.1 Operation and maintenance														
-No participation	18	100.0	27	100.0	45	100.0	12	66.7	13	100.0	25	80.6	70	92.1
-Participation	-	-	-	-	-	-	6	33.3	-	-	6	19.4	6	7.9

**TABLE 11 Evaluation and Participation of Groups
11.2 Group Participation
11.2.2 Activity**

Items	Ban NongChok						Ban Tha Phayom						Total	
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total			
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%		
การปรับปรุงคุณภาพและปริมาณ	18	100.0	27	100.0	45	100.0	18	100.0	13	100.0	31	100.0	76	100.0
4.2 Quality and quantity improvement														
Higher price														
-Yes	18	100.0	27	100.0	45	100.0	16	88.9	9	69.2	25	80.6	70	92.1
-No	-	-	-	-	-	-	2	11.1	4	30.8	6	19.4	6	7.9
Higher yield														
-Yes	18	100.0	27	100.0	45	100.0	16	88.9	12	92.3	28	90.3	73	96.1
-No	-	-	-	-	-	-	2	11.1	1	7.7	3	9.7	3	3.9
4.3 Chemical free														
Chemical free production Group Established														
-Yes	18	100.0	27	100.0	45	100.0	17	94.4	12	92.3	29	93.5	74	97.4
-No	-	-	-	-	-	-	1	5.6	1	7.7	2	6.5	2	2.6
Input cost of vegetable decreased														
-Yes	18	100.0	27	100.0	45	100.0	14	77.8	9	69.2	23	74.2	68	89.5
-No	-	-	-	-	-	-	4	22.2	4	30.8	8	25.8	8	10.5
Price of product increased														
-Yes	18	100.0	27	100.0	45	100.0	18	100.0	12	92.3	30	96.8	75	98.7
-No	-	-	-	-	-	-	-	-	1	7.7	1	3.2	1	1.3
4.4 Artificial Breeding														
Farmers could produce animal feed.														
-Yes	18	100.0	27	100.0	45	100.0	16	88.9	10	76.9	26	83.9	71	93.4
-No	-	-	-	-	-	-	2	11.1	3	23.1	5	16.1	5	6.6

**TABLE 11 Evaluation and Participation of Groups
11.2 Group Participation
11.2.2 Activity**

Items	Ban NongChok						Ban Tha Phayom						Total	
	Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total		Direct Beneficiaries		Possible Future Beneficiaries (Nearby Households)		Sub-Total			
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%		
Sample Size	18	100.0	27	100.0	45	100.0	18	100.0	13	100.0	31	100.0	76	100.0
5.Operation and maintenance														
-No participation	18	100.0	27	100.0	45	100.0	14	77.8	13	100.0	27	87.1	71	93.4
-Participation	-	-	-	-	-	-	4	22.2	-	-	4	12.9	4	5.3
6.Installation of tertiary pipe														
Size/mm	-	-	1.0	-	1.0	-	2.0	-	-	-	2.0	-	0.8	-
-No answer	18	100.0	27	100.0	45	100.0	15	83.3	13	100.0	28	90.3	72	72.0
Price	-	-	-	-	-	-	1750.0	-	-	-	1750.0	-	1750.0	-
-No answer	18	100.0	27	100.0	45	100.0	17	94.4	13	100.0	30	96.8	75	98.7
Length/metre	-	-	-	-	-	-	70.0	-	-	-	70.0	-	70.0	-
-No answer	18	100.0	27	100.0	45	100.0	16	88.9	13	100.0	29	93.5	74	97.4