

The Institute for Population and Social Research, Mahidol University
and
Carolina Population Center, University of North Carolina at Chapel Hill

Research Project about "Social Change and Migration in Thailand:
Case Study of Nang Rong District, Buriram Province (1984-2000)"

(Demographic Responses to a Changing Environment in Nang Rong)

Interview Form for New Households

Questionnaire ID []

Day/Month/Year of Interview.....
Start Time of Interview..... Time Finished.....
Total Time of Interview.....
Name of Interviewer..... Interviewer ID.....
Name of Assistant Supervisor..... Date.....
Name of Person who Checked and Corrected Questionnaire..... Date.....
Name of Coder Date.....
Observations during the Interview
.....
.....

FORM 3: Interview Form for New Household

Fill out this data before beginning the interview.

Interviewer: Do the following by observation:

1. Is this house a single or two-story house?
 1. Single - go to Q4
 2. Two-story
↓
2. Does this house have a space under the house that can be used for sitting and talking?
 1. Yes
↓
 2. No - Go to Q4
3. Does the space under this house have divisions into rooms?
 1. No
 2. Divided into room with all 4 solid sides
4. What type of windows does this house have? (more than one answer possible)
 1. No windows
 2. Window frames but no panes
 3. Windows with wooden panes
 4. Windows with glass panes
 5. Window slots with bug screens
 6. Windows with glass panes and bug screens
 7. Inapplicable (specify details).....

Please fill in this information during/after the interview

3. Data from the 2000 interview

Household id..... Name of Village..... Village #

Subdistrict..... District..... Province.....

Household head's Name.....

Data about the interview

Day/Month/Year of Interview	Time of Interview	Completion of Interview	Name of Interviewer	Name of Supervisor
1st Attempt Day.....Month.....	Start..... Finished.....	1. Completed 2. Not Completed		
2nd Attempt Day.....Month.....	Start..... Finish.....	1. Completed 2. Not Completed		
3rd Attempt Day.....Month.....	Start..... Finish.....	1. Completed 2. Not Completed		
4th Attempt Day.....Month.....	Start..... Finish.....	1. Completed 2. Not Completed		

Name of Main Informant..... CEP00.....

Relationship to Household Head.....

of people present during interview.....

Interviewer: Circle the CEP00 code of all people who are age 18-41 in Form 3

FORM 3: 2000 New Household Members

CEP 00	First and Last Name of Household Member	3.1 Where is this person living now?	3.2 Date of Birth	3.3 Age	3.4 Sex	3.5 Does this person usually live in this house?	3.6 Last night did this person sleep here?	3.7 How long has it been since this person lived here?	3.8 Does this person still live in this village(1984 Village)?	3.9 Where does this person currently live?
		1. Still living in this house or moved out less than 2 months ago			1. Male 2. Female	1. Yes 2. No - go to Q 3.7	1. Yes - go to Q 3.13 2. NoDaysMonthsYears	1. Yes - (write Village # and Household id) Go to Q 3.13 2. No	(See codes below) Go to Q3.13
		1								
		1								
		1								
		1								
		1								
		1								
		1								
		1								
		1								
		1								
		1								
		1								
		1								
		1								

Address Codes (Q3.9) 3. Another village in Nang Rong (write Village #) 4. Outside of Nang Rong District (write District #) 5. Another province (write Province #)
6. Another country (write country #)

For Supervisor Use Only VERIFIED ORIGIN HOUSEHOLD FOR CODE 2 PEOPLE ONLY			3.13 Relation- ship	3.14 Marital Status	3.15 What is the spouse's location / place of residence?	3.16 What was the age at 1st marriage?	3.17 Where is this person's father?	3.18 Where is this person's mother?	3.19 Where was this person born? (Place of residence of person's mother)
3.10 Village Number	3.11 Household id	3.12 CEP00 Code	Relation- ship to the household head	1. Single - go to Q 3.17 2. Married 3. Widowed 4. Divorced /Separated		Age in years			

Address Codes (Q3.15, 3.17, 3.18) 0. Deceased 1. Listed on Form 3 (write CEP00) **Not listed on Form 3 and...** 2. In this village (1984 Village) (write Village # and first & last name) 3. Another village in Nang Rong (write Village #) 4. Another district (write District #) 5. Another province (write Province #) 6. Another country (write country #)

Address Codes (Q3.19) 2. This village (1984 Village) 3. Another village in Nang Rong 4. Outside Nang Rong District 5. Another province (write Province #) 6. Another country (write country #)

3.20 Education			3.21 What is this person's primary occupation?	3.22 - 3.23 Ask only of women who have ever been married and who are 50 or less than 50 years old.		3.24 Ask only of currently married women who are 50 or less than 50 years old
What education level has this person finished?	Name of the last Primary School attended by this person.	Name of the last Secondary School attended by this person (if this person attended a secondary school).	If this person is less than 11 years old, go to the next person.	How many children has this person ever had?	How many living children does this person have?	Currently, is this person using contraceptives? 1. Yes - write the type and the place where she gets it 2. No 3. Pregnant - write the number of months pregnant

FORM 4 : Sibling Networks

Household id.....

Village #.....

Record data about sibling network of household member who is 18-41 years old				
First Sibling Sheet				
<p>NOTE: This form is to be filled out for siblings who are not already on a completed new sibling sheet in either question 4.1 or 4.4 for all of the following cases:</p> <p>A. All individuals 18 - 41 years old in Form 3, and B. The resident spouse of (A) above regardless of spouse's age.</p>				
4.1 Name of the first person meeting criteria A or B above.....				
4.2 CEP00 code of this person.....				
Is this person the respondent for Form 4? 1. Yes 2. No				
4.3 How many of this person's siblings are still living? (don't count this person).....siblings				
4.4 Write the CEP00 codes of the siblings who are still living that are on Form 3				
Roster # (CEP00)				
4.5 Does this person have other siblings who are still living besides those listed in Form 3? If so, write the details in the table below. If not, go to sheet #2.				
First Name - Last Name	Age	Sex	Education Level of education	Current address (See codes below)

2. This village (write Household id)
3. Another village in Nang Rong (original) (write Village #)
4. Another district in Buriram (write District #)
5. Another province (write Province #)
6. Another country (write country #)

FORM 4 : Sibling Networks

Household id.....

Village #.....

Record data about sibling network of household member who is 18-41 years old				
Second Sibling Sheet				
<p>NOTE: This form is to be filled out for siblings who are not already on a completed new sibling sheet in either question 4.1 or 4.4 for all of the following cases:</p> <p>A. All individuals 18 - 41 years old in Form 3, and B. The resident spouse of (A) regardless of spouse's age.</p>				
<p>4.1 Name of the next person meeting criteria A or B above.....</p> <p>4.2 CEP00 code of this person..... Is this person the respondent for Form 4? 1. Yes 2. No</p> <p>4.3 How many of this person's siblings are still living? (don't count this person).....siblings</p> <p>4.4 Write the CEP00 codes of the siblings who are still living that are on Form 3</p>				
Roster # (CEP00)				
<p>4.5 Does this person have other siblings who are still living besides those listed in Form 3? If so, write the details in the table below. If not, go to sheet #3.</p>				
First Name - Last Name	Age	Sex	Education Level of education	Current address (See codes below)

2. This village (write Household id)
3. Another village in Nang Rong (original) (write Village #)
4. Another district in Buriram (write District #)
5. Another province (write Province #)
6. Another country (write country #)

FORM 4 : Sibling Networks

Household id.....

Village #.....

Record data about sibling network of household member who is 18-41 years old				
Third Sibling Sheet				
NOTE: This form is to be filled out for siblings who are not already on a completed new sibling sheet in either question 4.1 or 4.4 for all of the following cases:				
A. All individuals 18 - 41 years old in Form 3, and				
B. The resident spouse of (A) regardless of spouse's age.				
4.1 Name of the next person meeting criteria A or B above.....				
4.2 CEP00 code of this person.....				
Is this person the respondent for Form 4? 1. Yes 2. No				
4.3 How many of this person's siblings are still living? (don't count this person).....siblings				
4.4 Write the CEP00 codes of the siblings who are still living that are on Form 3				
Roster # (CEP00)				
4.5 Does this person have other siblings who are still living besides those listed in Form 3? If so, write the details in the table below. If not, go to sheet 4.				
First Name - Last Name	Age	Sex	Education Level of education	Current address (See codes below)

2. This village (write Household id)
3. Another village in Nang Rong (original) (write Village #)
4. Another district in Buriram (write District #)
5. Another province (write Province #)
6. Another country (write country #)

FORM 4 : Sibling Networks

Household id.....

Village #.....

Record data about sibling network of household member who is 18-41 years old				
Fourth Sibling Sheet				
NOTE: This form is to be filled out for siblings who are not already on a completed new sibling sheet in either question 4.1 or 4.4 for all of the following cases:				
A. All individuals 18 - 41 years old in Form 3, and				
B. The resident spouse of (A) regardless of spouse's age.				
4.1 Name of the next person meeting criteria A or B above.....				
4.2 CEP00 code of this person.....				
Is this person the respondent for Form 4? 1. Yes 2. No				
4.3 How many of this person's siblings are still living? (don't count this person).....siblings				
4.4 Write the CEP00 codes of the siblings who are still living that are on Form 3				
Roster # (CEP00)				
4.5 Does this person have other siblings who are still living besides those listed in Form 3? If so, write the details in the table below. If not, go to the additional sheet, if necessary, or Form 5.				
First Name - Last Name	Age	Sex	Education Level of education	Current address (See codes below)

2. This village (write Household id)
3. Another village in Nang Rong (original) (write Village #)
4. Another district in Buriram (write District #)
5. Another province (write Province #)
6. Another country (write country #)

FORM 4 : Sibling Networks

Household id.....

Village #.....

Record data about sibling network of household member who is 18-41 years old				
Additional Sibling Sheet				
<p>NOTE: This form is to be filled out for siblings who are not already on a completed new sibling sheet in either question 4.1 or 4.4 for all of the following cases:</p> <p>A. All individuals 18 - 41 years old in Form 3, and B. The resident spouse of (A) regardless of spouse's age.</p>				
<p>4.1 Name of the next person meeting criteria A or B above.....</p> <p>4.2 CEP00 code of this person..... Is this person the respondent for Form 4? 1. Yes 2. No</p> <p>4.3 How many of this person's siblings are still living? (don't count this person).....siblings</p> <p>4.4 Write the CEP00 codes of the siblings who are still living that are on Form 3</p>				
Roster # (CEP00)				
<p>4.5 Does this person have other siblings who are still living besides those listed in Form 3? If so, write the details in the table below. If not, go to the next additional sheet, if necessary, or Form 5.</p>				
First Name - Last Name	Age	Sex	Education Level of education	Current address (See codes below)

2. This village (write Household id)
3. Another village in Nang Rong (original) (write Village #)
4. Another district in Buriram (write District #)
5. Another province (write Province #)
6. Another country (write country #)

FORM 5: Life History Calendar

Instructions to Interviewer

NOTE: This form is to be filled out for all of the following cases:

- A. All individuals 18 - 41 years old and on Form 3, and
- B. The resident spouse of (A) above who is code 1 in Q3.1, regardless of spouse's age.

- 5.01 Name of the person who is 18-41 years old or their spouse.....
- 5.02 Roster # (CEP00)..... Household ID..... Village
#.....
- 5.03 Number of people present when interview about life history questions began.....persons
- 5.04 Number of informants.....persons
- 5.05 Name of main informant.....
CEP00 of informant.....

For men only

- 5.2 Write "Buot Pra" in the row corresponding to the year that this person became Buot Pra.
- 5.3 Write "Soldier" in the corresponding year that this person was a soldier. (Please check the answer.)

For women already married only

- 5.4 Record the child's name in the row for the age at which the woman had this child and specify the child's Cep00 if this child lives in this household. If the child died, write "died" in the space under the child's name. If the child doesn't live in this house, write Household ID / Village # / District # / Province # under the child's name.

For all men and women

- 5.5 Where did this person reside at each age (start asking from age 13 or the age calculated in Q 5.06)? **Residence change** refers to stays of 2 months or more. Starting from the residence location when age 13 or the age calculated in Q 5.06 enter the location code in the space number 1. When there is a new residence change enter the location code in the space number 2, 3, 4, 5, 6 in order of the number of residence changes.
- 5.6 For each age (from age 13 or age listed in 5.06 to the current age), ask this question "Did this person study or not?". If not, record a dash (-). If they studied, ask "Studied at what level?". Write the level in the appropriate column. Finally, ask: "When studying, where did they reside?" Write the location code corresponding to where they were living while they studied in the appropriate box.
- 5.7 **Occupation of this person** in each residence for each age from age 13 or the age calculated in Q 5.06 to the current age. Enter the occupation code in the space number of the residence change corresponding to the space number in Q 5.5. If more than one occupation, record all in the box corresponding to that residence.

Name of Person 18 - 41 or spouse _____ CEP00 _____ HHID _____ Village ID _____

Name of Main Informant _____ CEP00 of Main Informant _____

5.1 Age	BE	5.2-5.3 For Men		5.4 For women who have ever been married		5.5 Where did this person live during this age?					
				Name of child(ren) born in this year		Number of residence change					
		Buot Pra	Soldier	Child's name	Child's location	1	2	3	4	5	6
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											

Residence Location Codes:

(Q5.5 and Q5.6) **0.** Died **1.** Staying in this household (write CEP00 of child) **2.** This village (write village # and hhid) **3.** Another village in Nang Rong (original) (Code village #) **4.** Another District in Buriram Province (write District #) **5.** Bangkok **6.** Korat **7.** Rayong **8.** Chonburi **9.** Another Province (write Province #) **10.** Other country (write country #)

5.1 Age	5.6 Education							5.7 Occupation					
	Educational Location Address							Were you working or actively looking for work?					
	Number of residence change							Number of residence change					
	level												
13		1	2	3	4	5	6	1	2	3	4	5	6
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													

Occupation Codes

(Q5.7) 1. Not working, looking for job 2. Not working, not looking for a job 3. Agriculture 4. Factory 5. Construction 6. Service 7. Other (specify)

Name of Person 18 - 41 or spouse _____ CEP00 _____ HHID _____ Village ID _____

Name of Main Informant _____ CEP00 of Main Informant _____

5.1 Age	BE	5.2-5.3 For Men		5.4 For women who have ever been married		5.5 Where did this person live during this age?					
		Buot Pra	Soldier	Name of child(ren) born in this year		Number of residence change					
				Child's name	Child's location	1	2	3	4	5	6
26											
27											
28											
29											
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31											
32											
33											
34											
35											
36											
37											
38											

Residence Location Codes:

(Q5.5 and Q5.6)

- 0.** Died **1.** Staying in this household (write CEP00 of child) **2.** This village (write village # and hhid) **3.** Another village in Nang Rong (original) (Code village #) **4.** Another District in Buriram Province (write District #) **5.** Bangkok **6.** Korat **7.** Rayong **8.** Chonburi **9.** Another Province (write Province #) **10.** Other country (write country #)

5.1 Age	5.6 Education						5.7 Occupation						
	Educational Location Address						Were you working or actively looking for work?						
	Number of residence change						Number of residence change						
	level												
26		1	2	3	4	5	6	1	2	3	4	5	6
27													
28													
29													
30													
31													
32													
33													
34													
35													
36													
37													
38													

Occupation Codes

(Q5.7) 1. Not working, looking for job 2. Not working, not looking for a job 3. Agriculture 4. Factory 5. Construction 6. Service 7. Other (specify)

Name of Person 18 - 41 or spouse _____ CEP00 _____ HHID _____ Village ID _____

Name of Main Informant _____ CEP00 of Main Informant _____

5.1 Age	BE	5.2-5.3 For Men		5.4 For women who have ever been married		5.5 Where did this person live during this age?					
		Buot Pra	Soldier	Name of child(ren) born in this year		Number of residence change					
				Child's name	Child's location	1	2	3	4	5	6
39											
40											
41											
42											
43											
44											
45											
46											
47											
48											
49											
50											
51											

Residence Location Codes:

(Q5.5 and Q5.6)

- 0.** Died **1.** Staying in this household (write CEP00 of child) **2.** This village (write village # and hhid) **3.** Another village in Nang Rong (original) (Code village #) **4.** Another District in Buriram Province (write District #) **5.** Bangkok **6.** Korat **7.** Rayong **8.** Chonburi **9.** Another Province (write Province #) **10.** Other country (write country #)

5.1 Age	5.6 Education						5.7 Occupation						
	Educational Location Address						Were you working or actively looking for work?						
	Number of residence change						Number of residence change						
	level												
39		1	2	3	4	5	6	1	2	3	4	5	6
40													
41													
42													
43													
44													
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46													
47													
48													
49													
50													
51													

Occupation Codes

(Q5.7) 1. Not working, looking for job 2. Not working, not looking for a job 3. Agriculture 4. Factory 5. Construction 6. Service 7. Other (specify)

FORM 5: Life History Calendar

Instructions to Interviewer

NOTE: This form is to be filled out for all of the following cases:

- A. All individuals 18 - 41 years old and on Form 3, and
- B. The resident spouse of (A) above who is code 1 in Q3.1, regardless of spouse's age.

- 5.01 Name of the person who is 18-41 years old or their spouse.....
- 5.02 Roster # (CEP00)..... Household ID..... Village #.....
- 5.03 Number of people present when interview about life history questions began.....persons
- 5.04 Number of informants.....persons
- 5.05 Name of main informant.....
CEP00 of informant.....

Name of Person 18 - 41 or spouse _____ CEP00 _____ HHID _____ Village ID _____

Name of Main Informant _____ CEP00 of Main Informant _____

5.1 Age	BE	5.2-5.3 For Men		5.4 For women who have ever been married		5.5 Where did this person live during this age?					
				Name of child(ren) born in this year		Number of residence change					
		Buot Pra	Soldier	Child's name	Child's location	1	2	3	4	5	6
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Residence Location Codes:

(Q5.5 and Q5.6) **0.** Died **1.** Staying in this household (write CEP00 of child) **2.** This village (write village # and hhid) **3.** Another village in Nang Rong (original) (Code village #) **4.** Another District in Buriram Province (write District #) **5.** Bangkok **6.** Korat **7.** Rayong **8.** Chonburi **9.** Another Province (write Province #) **10.** Other country (write country #)

5.1 Age	5.6 Education						5.7 Occupation						
	Educational Location Address						Were you working or actively looking for work?						
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Occupation Codes

(Q5.7) 1. Not working, looking for job 2. Not working, not looking for a job 3. Agriculture 4. Factory 5. Construction 6. Service
7. Other (specify)

Name of Person 18 - 41 or spouse _____ CEP00 _____ HHID _____ Village ID _____

Name of Main Informant _____ CEP00 of Main Informant _____

5.1 Age	BE	5.2-5.3 For Men		5.4 For women who have ever been married		5.5 Where did this person live during this age?					
				Name of child(ren) born in this year		Number of residence change					
		Buot Pra	Soldier	Child's name	Child's location	1	2	3	4	5	6
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Residence Location Codes:

(Q5.5 and Q5.6) **0.** Died **1.** Staying in this household (write CEP00 of child) **2.** This village (write village # and hhid) **3.** Another village in Nang Rong (original) (Code village #) **4.** Another District in Buriram Province (write District #) **5.** Bangkok **6.** Korat **7.** Rayong **8.** Chonburi **9.** Another Province (write Province #) **10.** Other country (write country #)

5.1 Age	5.6 Education							5.7 Occupation					
	Educational Location Address							Were you working or actively looking for work?					
	Number of residence change							Number of residence change					
	level												
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29													
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32													
33													
34													
35													
36													
37													
38													

Occupation Codes

- (Q5.7) 1. Not working, looking for job 2. Not working, not looking for a job 3. Agriculture 4. Factory 5. Construction 6. Service
7. Other (specify)

Name of Person 18 - 41 or spouse _____ CEP00 _____ HHID _____ Village ID _____

Name of Main Informant _____ CEP00 of Main Informant _____

5.1 Age	BE	5.2-5.3 For Men		5.4 For women who have ever been married		5.5 Where did this person live during this age?					
		Buot Pra	Soldier	Name of child(ren) born in this year		Number of residence change					
				Child's name	Child's location	1	2	3	4	5	6
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44											
45											
46											
47											
48											
49											
50											
51											

Residence Location Codes:

(Q5.5 and Q5.6) **0.** Died **1.** Staying in this household (write CEP00 of child) **2.** This village (write village # and hhid) **3.** Another village in Nang Rong (original) (Code village #) **4.** Another District in Buriram Province (write District #) **5.** Bangkok **6.** Korat **7.** Rayong **8.** Chonburi **9.** Another Province (write Province #) **10.** Other country (write country #)

5.1 Age	5.6 Education						5.7 Occupation						
	Educational Location Address						Were you working or actively looking for work?						
	Number of residence change						Number of residence change						
	level												
39		1	2	3	4	5	6	1	2	3	4	5	6
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41													
42													
43													
44													
45													
46													
47													
48													
49													
50													
51													

Occupation Codes

(Q5.7) 1. Not working, looking for job 2. Not working, not looking for a job 3. Agriculture 4. Factory 5. Construction 6. Service 7. Other (specify)

FORM 6: Household Characteristics

6.1 What type of fuel does this household use for cooking food? (More than 1 answer possible)

1. Firewood
2. Charcoal
3. Gas
4. Electricity
5. Other (write details.....)

6.2 Does this household have piped water into the house?

1. Yes
2. No

6.3 Does this household do any of the following activities?

Type of activity	Do not participate	Participate			
		For use	For sale	For use and sale	Number of people who participate
Silk weaving					
Silk worm raising					
Other cloth weaving					
Making charcoal					
Collect/cut firewood					

6.4 Does this household have any of the following assets?

If the asset was purchased in Buriram province, record district #. If purchased outside of Buriram province, record province #, or country # in 6.4.3.

Assets	6.4.1 Quantity	6.4.2 How many years ago did you get the latest asset of this type?*	6.4.3 In what city, town, or province was it purchased?		
			District Town	Province	Country
Color TV (17" or larger)					
Color TV (<17")					
Video					
Hand phone					
Telephone					
Computer/laptop					
Satellite dish					
Microwave					
Washing Machine					
Air Conditioner					
Refrigerator (1 Door)					
Refrigerator (2 Doors)					
Itan					
Bicycle					
Motorcycle (110 CC or larger)					
Motorcycle (<110 CC)					
Car (include year)					
Truck/Pick-up (include year)					
Sewing Machine					

* If purchased less than one year ago, enter '0'.

6.5 If there is no telephone in this household, in the past 12 months, has there been another household or households in this village where you have made or received calls?

1. Yes
2. No - Go to 6.7

6.6 What are the names and household id's for these other households?

First and Last Name	Household ID

6.7 Which language is usually spoken in this household? (Chose only 1)

1. Thai-Korat
2. Central Thai
3. Khmer
4. Lao/Northeastern Thai/Thai Isan
5. Suaie
6. Other write details.....

6.8 Can anyone in this household speak any other languages? (More than 1 answer possible)

1. Thai-Korat
2. Central Thai
3. Khmer
4. Lao/ Northeastern Thai/Thai Isan
5. Suaie
6. Other write details.....

We want to understand local non agricultural occupations.

6.9 In the last 3 months, have any current household members gone to work outside this village in nearby factories or towns such as Nang Rong, Non Suwan, Chamni, or Chalermprakit?

1. Yes 2. No - go to Q 6.10



First Name Last Name	Roster # (CEP00)	Where do/did they go? (Record district #)	Type of work (See codes below)	Number of days worked there	Income / Wage per day

Type of Work Codes: 1. Factory 2. Construction 3. Service 4. Other (specify)

6.10 Does this family raise any of the following for sale or barter?

Animals	Raise for sale/barter?	Quantity
Cows / Cattle	1. Yes 2. No 3. N/A	cows
Water buffalo	1. Yes 2. No 3. N/A	water buffalo
Pigs	1. Yes 2. No 3. N/A	pigs
Ducks	1. Yes 2. No 3. N/A	ducks
Chickens	1. Yes 2. No 3. N/A	chickens
*Fish	1. Yes 2. No 3. N/A	fish

*** For fish, ask the square wa of the fish pond(s). Do not include fish that are released in the rice patties.**

Definitions:

plang: *a single contiguous piece of land.* This does not include the plang where your house is located.

The next set of questions will be about plang this household **uses**. By uses, I mean a plang that your household uses to grow crops, livestock, fruit trees, eucalyptus trees, fish ponds, or anything else to benefit your household. This includes joint use. By joint use, I mean your household and one or more other households cultivate this land jointly or together.

6.11 During the last growing season (1999 - 2000), that is, the one that began with the monsoon last summer and was harvested later last year, how many plang did you use?

_____ plang

6.12 Think back to the previous growing season, that is the 1998 - 1999 growing season. Were there any plang you used then but did not use in the last growing season?

Yes _____ If yes, how many? _____

No _____

6.13 Now let me summarize. Last growing season (1999 - 2000), you used _____ plang. In addition, in the previous growing season (1998 - 1999), you used _____ plang that you did not use in the last growing season. This is a total of _____ plang. Do I have this correct? Now I would like to ask you questions about each of these plang.

NOTE:

If Q6.11 = 0 and 6.12 \neq 0, Go to Q6.39

If Q6.11 AND Q6.12 (and Q6.13 total) = 0, Go to Q6.57

Now, I would like to ask you about plang you used in the last growing season.

Write in the number of plang from Q6.11 here. _____ This number should equal the total number of plang discussed in this section, that is, the number of rows filled in. If Q6.11 = 0, go to Q6.39

Plang #	6.14 How many square wa is this plang?			6.15 If you don't know, could you give your best guess?			6.16 Did you jointly use this plang with any other household(s) or is your household the only one that used this plang? 1. Jointly use 2. Use alone - go to Q6.18	6.17 Which other households jointly used this plang with you? Record First and Last Names, household id, and village number for each household						
	Rai	Ngan	Wa	Rai	Ngan	Wa		First & Last Name	Household ID	Village #	First & Last Name	Household ID	Village #	
01														
02														
03														
04														
05														
06														
07														
08														
09														
10														
11														

LAST GROWING SEASON							
Plang #	6.18 Status of plang use in last growing season (1999 - 2000): More than one answer is possible. 1 Owned - Go to 6.19 2 Rented from other person - Go to 6.20 3 Other person provided free use - Go to 6.20 4 Other (specify) - Go to 6.20	6.19 What type of deed or ownership document do/did you have for this plang? - Deed - Soar Toar Koar - Nor Soar 3 - Soar Koar 1 - Soar Poar Koar - Noar Soar 2 - Boar Toar 5, 6 - Other document (specify) - Noar Soar 3 - Koar -Does not have document but is owner	6.20 What did you do with this plang in the last growing season (1999 - 2000)? If rice was grown, go to 6.21 If not, go to 6.25	6.21 If rice, what type? (More than one answer possible) 1. Jasmine 2. Sticky 3. Other (specify)	6.22 In the last growing season (1999 - 2000) what method did you use to plant rice? 1. Broadcast 2. Transplant 3. Broadcast & transplant 4. Plant 5. Other (specify)	6.23 Did your first planting of rice yield a harvest or did you plant more than once to produce a crop? 1. Only one time 2. Two times 3. Three times 4. Four times 5. More than 4 times	6.24
01							
02							
03							
04							
05							
06							
07							
08							
09							
10							
11							

Plang #	LAST GROWING SEASON (1999 - 2000)			1998 - 1999 GROWING SEASON	
	6.25 In the last growing season (1999 - 2000), did you use chemical fertilizer on this plang? 1. Yes 2. No	6.26 In the last growing season (1999 - 2000), did you use pesticides on this plang? 1. Yes 2. No	6.27 In the last growing season (1999 - 2000), did you use herbicides on this plang? 1. Yes 2. No	6.28 What did you do with this plang in the 1998 - 1999 growing season? If rice was planted, go to 6.29 otherwise go to 6.30 If this plang was not used, write down any reason they give, and go to 6.30	6.29 If rice, what type? 1. Jasmine 2. Sticky 3. Other (specify)
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					

Plang #	LAST(1999 - 2000) AND 1998 - 1999 GROWING SEASONS			NEXT GROWING SEASON (2000 - 2001)	
	6.30 For how many years have you <u>continuously</u> used this plang? (Include last year (1999 - 2000) and the 1998 - 1999 season in this count). Include periods of joint use.	6.31 In the last (# of years from 6.30) did you ever lose a crop due to flooding? 1. Yes - How many years? 2. No By loss, we mean the yield was decreased by 50% of normal.	6.32 In the last (# of years from 6.30) did you ever lose a crop due to drought? 1. Yes - How many years? 2. No By loss, we mean the yield was decreased by 50% of normal.	6.33 How will you use this plang in the next growing season (2000 -2001)? If rice will be planted, go to 6.34, otherwise go to 6.35 If this plang will not be used, write down any reason they give and go to 6.35.	6.34 If rice, what type? 1. Jasmine 2. Sticky 3. Other (specify) Go to 6.35
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					

Adjacent Plang: (For all plang used in the last growing season (1999 - 2000)).

Now please think about the plang that are immediately adjacent to your plang. Could you please tell me who uses these adjacent plang? If there is a house, school, temple, or something else, please tell me about that (See codes below). Let's start from the east where the sun rises and go around. If a road forms a border for a plang, please tell me who uses the plang across the road.

Plang #	6.35 East			6.36 South		
	6.35a First & Last Name	6.35b Household id	6.35c Village #	6.36a First & Last Name	6.36b Household id	6.36c Village #
01						
02						
03						
04						
05						
06						
07						
08						
09						
10						
11						

Note that we are only asking for immediately adjacent plang.

Codes:

1. House 2. School 3. Temple 4. Forest 5. Public Land 6. Large river 7. Other (specify)

Adjacent Plang Continued: (For all plang used in the last growing season (1999 - 2000)).

Now please think about the plang that are immediately adjacent to your plang. Could you please tell me who uses these adjacent plang? If there is a house, school, temple, or something else, please tell me about that (See codes below). Let's start from the east where the sun rises and go around. If a road forms a border for a plang, please tell me who uses the plang across the road.

Plang #	6.37 West			6.38 North		
	6.37a First & Last Name	6.37b Household id	6.37c Village #	6.38a First & Last Name	6.38b Household id	6.38c Village #
01						
02						
03						
04						
05						
06						
07						
08						
09						
10						
11						

Note that we are only asking for immediately adjacent plang.

Codes:

1. House 2. School 3. Temple 4. Forest 5. Public Land 6. Large river 7. Other (specify)

Now, I would like to ask you about plang you used in the 1998 - 1999 growing season, but not in the last growing season (1999 - 2000).

Write in the number of plang from Q6.12 here. _____ This number should equal the total number of plang discussed in this section, that is, the number of rows filled in. If Q6.12 = 0, go to Q6.57.

Plang #	6.39 How many square wa was this plang?			6.40 If you don't know, could you give your best guess?			6.41 Did you jointly use this plang with any other household(s) or was your household the only one that used this plang? 1. Jointly use 2. Use alone - go to Q6.43	6.42 Which other households jointly used this plang with you? Record First and Last Names, household id, and village number for each household.						
	Rai	Ngan	Wa	Rai	Ngan	Wa		First & Last Name	Household ID	Village #	First & Last Name	Household ID	Village #	
01														
02														
03														
04														
05														
06														
07														
08														
09														
10														
11														

1998 - 1999 GROWING SEASON						
Plang #	6.43 Status of plang use in 1998 - 1999 growing season: More than one answer is possible. 1 Owned - Go to 6.44 2 Rented from other person - Go to 6.45 3 Other person provided free use - Go to 6.45 4 Other (specify) - Go to 6.45	6.44 What type of deed or ownership document do/did you have for this plang? - Deed - Soar Toar Koar - Nor Soar 3 - Soar Koar 1 - Soar Poar Koar - Noar Soar 2 - Boar Toar 5, 6 - Other document (specify) - Noar Soar 3 - Koar - Does not have document but is owner	6.45 What did you do with this plang in the 1998 - 1999 growing season? If rice was planted, go to 6.46, otherwise go to 6.48.	6.46 If rice, what type? 1. Jasmine 2. Sticky 3. Other (specify)	6.47 In the 1998 - 1999 growing season what method did you use to plant rice? 1. Broadcast 2. Transplant 3. Broadcast & transplant 4. Plant 5. other (Specify)	6.48 For how many years did you <u>continuously</u> use this plang? (Include 1998 - 1999 growing season in this count)
01						
02						
03						
04						
05						
06						
07						
08						
09						
10						
11						

	1998 - 1999 GROWING SEASON		NEXT GROWING SEASON (2000 - 2001)	
Plang #	<p>6.49 In the last (# of years from 6.48) did you ever lose a crop due to flooding?</p> <p>1. Yes - How many years? 2. No</p> <p>By loss, we mean the yield was decreased by 50% or more.</p>	<p>6.50 In the last (# of years from 6.48) did you ever lose a crop due to drought?</p> <p>1. Yes - How many years? 2. No</p> <p>By loss, we mean the yield was decreased by 50% or more.</p>	<p>6.51 How will you use this plang in the next growing season (2000 - 2001)? If rice will be planted go to 6.52, otherwise go to 6.53.</p> <p>If the plang will not be used, write down any reason they give, and go to 6.53</p>	<p>6.52 If rice, what type?</p> <p>1. Jasmine 2. Sticky 3. Other (specify)</p> <p>Go to 6.53.</p>
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				

Adjacent Plang: (For all plang used in the 1998 - 1999 growing season, but not used in the last growing season (1999 - 2000)).

Now please think about the plang that are immediately adjacent to your plang. Could you please tell me who uses these adjacent parcels? If there is a house, school, temple, or something else, please tell me about that (See codes below). Let's start from the east where the sun rises and go around.

Plang #	6.53 East			6.54 South		
	6.53a First & Last Name	6.53b Household id	6.53c Village #	6.54a First & Last Name	6.54b Household id	6.54c Village #
01						
02						
03						
04						
05						
06						
07						
08						
09						
10						
11						

Note that we are only asking for immediately adjacent plang.

Codes:

1. House 2. School 3. Temple 4. Forest 5. Public Land 6. Large river 7. Other (specify)

Adjacent Plang Continued: (For all plang used in the 1998 - 1999 growing season, but not used in the last growing season (1999 - 2000)).

Now please think about the plang that are immediately adjacent to your plang. Could you please tell me who uses these adjacent parcels? If there is a house, school, temple, or something else, please tell me about that (See codes below). Let's start from the east where the sun rises and go around.

Plang #	6.55 West			6.56 North		
	6.55a First & Last Name	6.55b Household id	6.55c Village #	6.56a First & Last Name	6.56b Household id	6.56c Village #
01						
02						
03						
04						
05						
06						
07						
08						
09						
10						
11						

Note that we are only asking for immediately adjacent plang.

Codes:

1. House 2. School 3. Temple 4. Forest 5. Public Land 6. Large river 7. Other (specify)

6.57 In summary, in the last growing season (1999 - 2000) you used _____ plang. In addition, in the previous growing season (1998 - 1999), you used _____ plang that you did not use in the last growing season (1999 - 2000). This is a total of _____ plang. Now think back over the past 7 years, are there any other plang that you have used but did not use in the last two growing seasons?

Yes _____ If yes, how many? _____
No _____

QUESTIONS ABOUT THE PLANG CONTAINING THE HOUSE

6.58 Now let's think about the plang containing your house. Have we talked about it yet?

1. If yes, check here _____, circle the plang number referring to the house, and go to 6.66.
2. If no, continue with the following questions



6.58a. How many square wa is this plang?

_____ Rai _____ Ngan _____ Wa

6.59 If you don't know the size could you give your best estimate?

_____ Rai _____ Ngan _____ Wa

6.60 What is the ownership status of this plang?

- | | |
|------------------------------------|------------|
| 1 Owned - | Go to 6.61 |
| 2 Rented from other person - | Go to 6.62 |
| 3 Other person provided free use - | Go to 6.62 |
| 4 Other (specify) _____ | Go to 6.62 |

6.61 What type of deed or ownership document do you have for this plang?

- | | |
|-----------------------|---|
| 1. Deed | 2. Soar Toar Koar |
| 3. Nor Soar 3 | 4. Soar Koar 1 |
| 5. Soar Poar Koar | 6. Noar Soar 2 |
| 7. Boar Toar 5, 6 | 8. Other document (specify) |
| 9. Noar Soar 3 - Koar | 10. Does not have document but is owner |

NOTE: For questions 6.62- 6.64 **Commercial Crop** is defined as a crop that earned 750 baht or more for the household.

6.62 Did you grow any rice or commercial crop on the plang where your house is located in the last growing season?

1. Yes 2. No

6.63 Did you grow any rice or commercial crop on the plang where your house is located in the past growing season?

1. Yes 2. No

6.71 Where is this rice mill?

1. Same place as this house
2. In this village (write Village #) _____
3. Another village in Nang Rong (write Village #) _____
4. Another district (write District #) _____
5. Another province (write Province #) _____

6.72 In the past 12 months, was rice milled there?

1. Yes
2. No - Go to Q6.75

6.73 How much rice (in grasops) was milled in the past 12 months?

_____ Grasops

6.74 In the past 12 months, from what other villages did people come to mill rice at your mill?

Village Name	Village #	District Number	Province #

6.75 Does this household own a/the rice mill?

1. Yes
2. No

6.76 In the last year, has this household used any agricultural equipment?

1. Yes

2. No - go to Q 6.77



Type of Machine	Number (If not used, write 0)	Owns? 1. Yes 2. No	Use (multiple answers possible) - If not owned	
			If you are not the owner, but did use by hiring/renting/borrowing 1. Yes 2. No Please specify the first and last name of the person who hired/rented/loaned the equipment.	Household id / Village #
Large Tractor			Hires?__ First/Last Name_____	/
			Rents?__ First/Last Name_____	/
			Borrows?__ First/Last Name_____	/
Iron buffalo/tiller			Hires?__ First/Last Name_____	/
			Rents?__ First/Last Name_____	/
			Borrows?__ First/Last Name_____	/
Rice thresher			Hires?__ First/Last Name_____	/
			Rents?__ First/Last Name_____	/
			Borrows?__ First/Last Name_____	/

Interviewer: Question 6.77 is a checkpoint. We already know from previous questions whether this household did agricultural work. If they did, proceed with the following question, otherwise the interview is complete.

Interviewer checks if 6.11 = 0 AND 6.62 = No. If this is true, circle response 2 in 6.77.

6.77 Does anyone in this household do any agricultural work?

1. Yes

2. No - INTERVIEW IS COMPLETE

6.78 In the last year, did this household pump water from rivers, streams, ponds, or canals to the fields?

1. Yes

2. No

6.79 How about wells? In the last year, did this household pump water from wells to the fields?

1. Yes

2. No

6.80 In the last year, did this household divert existing water from rivers, streams, ponds, or canals to the fields by opening holes in the bunds?

1. Yes

2. No

Note: If this household used no land in the last year (i.e.Q6.11 = 0), the interview is complete.

About planting and harvesting rice

Interviewer: This is a checkpoint. We already know from previous questions whether this house cultivated

rice last year. If they did, proceed with the following questions, otherwise go to the section on cassava.

Interviewer checks if household planted rice. Refer to Q6.20.

1. Yes

2. No - go to Q 6.91



6.81 Last year, how many people in this household helped with the planting of rice?

_____ people

6.82 Last year, how many other people helped with the planting of rice?

_____ people

6.83 Last year, how many people in your household helped with the harvesting of rice?

_____ people

6.84 **QUESTION 6.84 SHOULD BE ASKED OF OLD HOUSEHOLDS ONLY.** About harvesting rice last year, were there people in your household in 1984 and/or 1994 that do not currently live in your house who helped with the rice harvest?

1. Yes

2. No - go to Q 6.85



INTERVIEWER: Ask about people who answered 2 or 3 to Q1.1 in Form 1. If there are any write in details below. Otherwise go to Q6.85

Household Roster # (CEP00)	Type of labor: 1. Hired/Wage 2. Free 3. Labor exchange

6.85 Did anyone from this village help to harvest rice in the last year?

1. Yes

2. No - go to Q 6.86



Household id #/Village #	Number of people	Type of labor: 1. Hired/Wage 2. Free 3. Labor exchange

6.86 Did anyone from another village come to help harvest rice in the last year?

1. Yes

2. No - go to Q 6.87



Village/ District/ Province #	Number of people	Type of labor: 1. Hired/Wage 2. Free 3. Labor exchange

6.87 In the last year, how much rice was harvested by this household? Record type of rice, number of grasops, and the weight in kilos per grasop.

Type of Rice	# of Grasops	Kilo per Grasop
Jasmine		
Sticky Rice		
Other (Specify)_____		
Other (Specify)_____		

6.88 Does this household mill its rice?

1. Yes
↓
2. No Go to 6.91

6.89 Usually, where does this household mill its rice?

1. In this village: Name of owner of rice mill.....
Household id of owner.....
Village #.....
2. In another village in Nang Rong (include Chamni, Non Suwan, or Chalermkit districts):
Village #
3. Outside of Nang Rong district:
District name.....
District # / Province #.....

6.90 Is there any other location where this household mills its rice?

1. Yes
↓
2. No

Name of Rice Mill	Location (Village/District/Province #)

About planting and harvesting cassava

Interviewer: This is a checkpoint. We already know from previous questions whether this house planted cassava last year. If they did proceed with the following questions, otherwise go to the section on planting sugar cane.

Interviewer checks if this household planted cassava. Refer to Q6.20.

1. Yes
↓
2. No - go to Q 6.98

6.91 In the last year, during which months did you plant cassava?

Months: _____

6.92 In the last year, during which months did you harvest cassava?

Months: _____

6.93 How many people in this household helped with the harvesting of cassava?

_____ people

6.94 **QUESTION 6.94 SHOULD BE ASKED OF OLD HOUSEHOLDS ONLY.** About harvesting cassava last year, were there people in your household in 1984 and/or 1994 that do not currently live in your house who helped with the cassava harvest?

1. Yes

2. No - Go to 6.95



INTERVIEWER: Ask about people who answered 2 or 3 to Q1.1 in Form 1. If there are any write in details below. Otherwise go to Q6.95

Household Roster # (CEP00)	Type of labor: 1. Hired/Wage 2. Free 3. Labor exchange

6.95 Did anyone from this village help to harvest cassava in the last year?

1. Yes

2. No - go to Q 6.96



Household id #/Village #	Number of people	Type of labor: 1. Hired/Wage 2. Free 3. Labor exchange

6.96 Did anyone from another village come to help harvest cassava in the last year?

1. Yes

2. No - go to Q 6.97



Village/District/ Province #	Number of people	Type of labor: 1. Hired/Wage 2. Free 3. Labor exchange

6.97 In the last year, how much cassava was harvested?
_____ kilos

About planting and harvesting sugar cane

Interviewer: This is a checkpoint. We already know from previous questions whether this house planted sugar cane last year. If they did, proceed with the following questions, otherwise the interview is complete.

Interviewer checks if this household planted sugar cane. Refer to Q6.20.

1. Yes

2. No - **Interview is complete**



6.98 In the last year, during which months did you plant sugar cane?

Months: _____

6.99 In the last year, during which months did you harvest sugar cane?

Months: _____

6.100 How many people in this household helped with the harvesting of sugar cane?

_____ people

6.101 **QUESTION 6.101 SHOULD BE ASKED OF OLD HOUSEHOLDS ONLY.** About harvesting sugar cane last year, were there people in your household in 1984 and/or 1994 that do not currently live in your house who helped with the sugar cane harvest?

1. Yes

2. No - Go to Q6.102



INTERVIEWER: Ask about people who answered 2 or 3 to Q1.1 in Form 1. If there are any write in details below. Otherwise go to Q6.102

Household Roster # (CEP00)	Type of labor: 1. Hired/Wage 2. Free 3. Labor exchange

6.102 Did anyone from this village help to harvest sugar cane in the last year?

1. Yes

2. No - go to Q 6.103



Household id #/Village #	Number of people	Type of labor: 1. Hired/Wage 2. Free 3. Labor exchange

6.103 Did anyone from another village come to help harvest sugar cane in the last year?

1. Yes

2. No - go to Q 6.104



Village/District/Province #	Number of people	Type of labor: 1. Hired/Wage 2. Free 3. Labor exchange

6.104 In the last year, how much sugar cane was harvested?

_____ kilos