

University of North Carolina/Ecociencia/PROFORS
 Survey of Colonization & Land Use, The Oriente of Ecuador, 1999
Questionnaire for the male head of household (final version, 2/1/99)

A. LOCATION OF THE FARM AND IDENTIFICATION OF THE HOUSEHOLD

(Instructions: Review and fill in names, sector name and #, and other "address" information from the 90 questionnaire needed to locate the original farm. Verify that you have located at the correct farm before beginning the interview. Wherever there are changes in names # of subdivisions, access, etc. note below.)

1. "Jefatura Zonal": 1 Orellana
2 Aguarico
2. Province 1 Napo/Orellana
2 Sucumbios
3. Canton _____ 4. Parroquia _____
5. Sector # (1990): _____ 6. Name of precooperative _____
7. Line # of farm _____ 8. # of the farm (lot, 1990) _____
9. ID # (1990): _____/ _____/ _____ (sector, lot and subdivision #)
10. Name of head, 1990 _____
11. Name of female respondent, 1990 _____
12. _____

RESULTS: after the interview, note the date, hour and results of each visit to the household in this table

	1 st visit	2 nd visit	3 rd visit
Date			
Hour begun			
Hour completed			
Interviewers (initials)			
Results (códigos below)			
Respondent (códigos below)			

Results (codes):		Codes for identifying respondent	
Completed satisfactorily	1	Head (male)	1
Incomplete	2	Spouse (wife)	2
Refused to participate	3	Son or daughter	3
Did not find head or spouse	4	Other relative _____	4
Farm uninhabited, with economic activity	5	Other person _____	5
Farm abandoned, no activity	6	Name _____	
Could not find the farm	7	ID # of the respondent (take from the household roster) _____	
Could not reach the farm	8		
Other _____	9		

Information from the 1999 Survey (where there are changes)

Administer the Q to the male head of household at the same farm that was interviewed in 1990, and for all subdivisions of that farm since 1990. If the head is not at home, administer it to the spouse, or adult son or daughter, or other adult relative. If the owner of the farm does not live on the farm but manages it himself, find out where he lives (from neighbors) and note under # ___ below. Administer the questionnaire to him in his home.

13. Who is the owner of this farm now?
 1. Interviewee: --> Name: _____ → 14
 2. Does not live here on the farm
- 13.1 Where does the owner live?
 Name (s): _____ Sector: _____ # of the farm: _____
 Population Center _____ Reference _____
14. Who manages or is responsible for the farm (land)?
 1. Owner --> 16
 2. Renter
 3. Employee
 4. Other.....
15. Name of interviewee (economic head of farm) 1999 _____
16. Name of spouse of head, 1999 _____
17. # of the finca (1999) _____
18. Apart from yourself, are there other persons who manage part of this farm independently?
 0 No -->19
 1 Si
- 18.1 How many lots/subdivisions does the original farm have now, in 1999? _____
19. ID number of this farm or subdivisión in 1999: /___/___/___/___/___/
20. 1999: Distance by foot to the farm _____ km from _____ to _____
21. 1999: Distance by secondary road: _____ km from _____ to _____
 by the _____ road
22. 1999: Distance by primary road _____ Km. From _____ to _____
 by the _____ highway
23. 1999: Distance by canoe (river): _____ km from _____ to _____
 by the _____ river
24. Have there been any new roads constructed here since 1990 (or have roads been much improved since 1990)?
 0 No
 1 Yes -->Explain: _____
25. Is there vehicular access to the la finca?
 0 No, never
 1 yes, all year
 2 yes but depends on the rains
26. Does the owner belong to a (pre)cooperative now?
 0 No ----->section B
 1 Yes
- 26.1 Name of precooperative? _____
- 26.2 Is the precooperative active?
 0 No ---> section B
 1 Yes
- 26.3 What does it do? _____

B MIGRATION /ORIGINS

(Instructions: This section is only for new colonists, not already interviewed in 1990. Do this part only if the male head is not the same person as interviewed in 1990, i.e., in the case of a new owner, or subdivision of the farm and more than one family now living on the original finca. Exception: do the last question (# 11) for all).

1. Where were you born?
 1 Provincia _____ 2 Canton _____
 3 Parroquia _____ 4 Other country _____

2. Was this “country” (rural) or “city” (urban)?
 1 Rural/Country
 2 Urban/city
 8 DK

(If person was born in the Oriente, skip to #10)

3. Did you live anywhere else before coming to the Oriente for a period of more than 6 months, apart from where you were born?
 0 No ->5
 1 Yes

3.1 Where did you live just before coming to the Oriente?
 1 Provincia _____ 2 Canton _____
 3 Parroquia _____ 4 Other country _____

3.2. Was this place ...
 1 Rural/Country
 2 Urban/city

3.3 How long did you live in this place? _____ months _____ years

3.4 In what year did you settle permanently in the Oriente? 19 __ __

4. How old were you when you came to live in the Oriente (for the last time)? _____ years old

THOSE UNDER 12 YEARS AT THE TIME OF MIGRATION, SKIP TO 11

5. Did you have your own land in your last place of residence before moving to the Oriente?
 0 No ----->5.2
 1 Yes
 8 DK ----->5.2

5.1 ¿Did you have title?
 0 No ----->5.2
 1 Yes
 8 DK ----->5.2

5.1.1 ¿In whose name was the title? _____

5.1.2 ¿How many Hectares did you have (with title)? No. ha.

5.1.3 ¿What was the principal activity on that land?
 1 Agriculture
 2 livestock/raising animals
 3 Combination of livestock and agriculture
 4 Other _____

5.1.4 ¿What did you do with the land?
 1 sold it

- 2 rent it out
- 3 still manage it
- 4 left it in care of sons, parents
- 5 doesn't apply: it is parents farms
- 6 Other _____

5.2 Did you rent or sharecrop any land?

- 0 No ----> 6
- 1 Sí
- 8 DK ---->6

5.2.1 ¿How many hectares did you rent or sharecrop? HA

5.2.2 ¿What was the principal activity?

- 1. Agriculture
- 2. Livestock/ animal raising
- 3. Combination of agriculture & livestock
- 4. Other _____

6. ¿Did you have any other economic activity?

- 0 No
- 1 Yes
- 8 DK

6.1 Did you work for another person or firm ?

- 0 No —>6.2
- 1 Yes
- 8 DK —>6.2

6.1.1 How many months were you employed during the 12 months prior to coming here?

_____ months

6.1.2 Was this principally agricultural or non-agricultural work?

- 1 non agricultural
- 2 agricultural

6.2 Did you have your own business (as well)?

- 0 No ---->7
- 1 yes
- 8 DK---->7

6.2.1 Did you have any paid employees (besides yourself)?

- 0 No
- 1 Yes -> How many? _____

6.2.2 What did you do with the business?

- 1 sold it
- 2 rent it out
- 3 still manage it there
- 4 left it in care of sons/family
- 5 closed it
- 6 Other _____

7. Why did you decide to leave your prior residence?

(NOTE UP TO TWO PRINCIPAL REASONS)

- 1 lack of land (own or sufficient to live on) (A) _____
- 2 low income (B) _____
- 3 low wages in my work
- 4 poor soils
- 5 drought(and/or lack of irrigation)
- 6 brought (by spouse, relatives)
- 7 Problems with the family
- 8 Wanted to be independent
- 9 Other _____

8. Why did you come to the Oriente instead of some other place?
- 1 easier to get land here
 - 2 Opportunities for work here
 - 3 already had relatives here
 - 4 Other _____

9. Before coming to live in the Oriente, did you already have relatives or friends living here in the Oriente?
- 0 No---->10
 - 1 Yes

9.1 Who was here already in the Oriente?

- 1 parents.
- 2 brother/sister
- 3 son/daughter
- 4 other relatives
- 5 friends

- 9.2 Did they help you get established on the farm in any way?
- 0 No --->10
 - 1 Yes
 - 8 DK ---->10

9.2.1 How did they help you? (NOTE ALL THAT APPLY)

- 1 get land
- 2 get work
- 3 procure credit
- 4 work the farm
- 5 build the house
- 6 Other _____

10. Since coming to the Oriente, have you lived in other places besides this finca?
- 0 No--->11
 - 1 Yes
 - 8 DK --->11

- 10.1 Did you have another finca there?
- 0 No --->11
 - 1 Yes
 - 2 Yes, my parents

10.2 How many hectares? _____ ha

10.3 What line was it? _____

- 10.4 Did you have a title or other document?
- 0 No
 - 1 Yes, title
 - 2 certificate of possession

- 10.5 Did you have livestock?
- 0 No
 - 1 Yes

10.6 What did you do with the finca?

- 1 sold it (Continue)
- 2 rent it out -->11
- 3 still manage it myself->11
- 4 left it in care of children/relatives -->11
- 5 Nothing, it belongs to my parents who still work it -->11
- 6 Other _____ -->11

10.7 If you sold it, why? (MARK ALL MENTIONED)

- 1 poor quality soil.
- 2 worn out soil
- 3 low production
- 4 farm from town, roads
- 5 offered a good price
- 6 to pay off debt
- 7 health problems
- 8 conflicts with neighbors
- 9 Other _____

10.8 (If you sold it) For how much? _____ sucs

FOR ALL COLONISTS (NEW INTERVIEWS AND THOSE FROM 1990)

11. Since you came to the Oriente, have other relatives or friends of yours come (to live)?

- 0 No
- 1 Yes
- 8 DK

11.1 Who has come?

- 1 Wife
- 2 Children
- 3 Parent(s)
- 4 Brother/sister
- 5 Cousin(s)
- 6 Friends

C. LAND TENURE AND SUBDIVISION OF THE FARM.

1. Originally, how many hectares was this finca (the original "mother farm")? _____ ha

2. Have you or the previous owner sold any part of the farm? 0 No
1 Yes --> do the table

#	2.1 How many parcels have been sold? _____ For each parcel sold: What is the name of the new owner?:	2.2 In what year was it sold 19 ____	2.3 How many Hectares? _____Ha (Register parts sold in the map of the farm)	2.4 Where does the owner live now? (Find out so you can interview the family.) 1 Right here on this farm 2 Another farm, this sector --> Which farm? (lot #) _____ 3 Population center within the sector 4 outside the sector --> Population center: specify _____ Which sector (#)? _____ Which farm #? _____
1				
2				
3				

3. *Aside from parcels sold:* ¿Do you currently have on THIS FARM persons who manage separately (independently) part of the farm? For example: renters, sharecroppers, as a gift ...

0 No -----> 4
1 Yes

# of the subdivisión	8.1 How many lots do you have in this form? _____ Who is the person who manages the land? (Name) (Find out to interview the family)	8.2 What is their relationship to you (the head)? 1 son/daughter 2 Parent 3 brother/sister 4 Other relative 5 Non-relative	8.3 How many hectares do they have? (# of Ha) Register on the map of the farm	8.4 How does this person use/pay for the land? 1 Rent 2 Loan 3 Exchange 4 Inheritance 5 Other _____	8.5 How much do you receive? Suces/year (or suces/year in exchange)	8.6 Where does this person LIVE? (find out to locate the family for interview) 1 In this house 2 In their own house on this farm 3 Another farm in this sector —>Which? _____ 4 Population center within the sector 5 Outside the sector Which sector #? ____ Which farm # ? _____
1						
2						
3						
4						

(If the colonist has(1) sold or (2) is renting or loaning out part of the farm to other persons, you must verify: the number of hectares of the original farm from the 90 survey, minus the number of hectares rented out or sold, must be equal to the answer to question #8.7 Verify after doing the map of the farm.)

4. How many hectares of this farm (lot) do you manage independently as your own farm? _____Ha

5. In what year did you procure it? 19 __ __

6. This finca (SUBDIVISION OR ORIGINAL FARM) is:
1 my own
2 rented
3 borrowed
4 Other

7. What type of document do you have?
1 title
2 Certificate of possession —.9
3 surveyed only —>9
4 nothing —>9

7.1 In what year did you get the title? 19 __ __ --->9

8. (If you don't have a title) Why have you not obtained a title?

- 1 lack of money
- 2 bureaucracy
- 3 No time
- 4 doesn't interest me
- 5 this land is an informal subdivision of the main farm
- 6 this land is rented (title not applicable)

7 Other _____

9. How did you get this farm?

1 bought from another colonist

9.1 Name of the prior owner

9.2 How much did you buy it for? sucres

2 bought from the bank

9.2 How much did you buy it for?sucres

- 3 adjudicated by IERAC/land agency
- 4 inheritance
- 5 just occupied it
- 6 rented/loaned by a friend or relative
- 7 Other.....

10. Aside from this farm, do you own other farms (in the Oriente or elsewhere)?

0 No----->11
Yes -----> do the table

10.1 How many farms do you have, aside from this one? _____ For each other finca:	10.2 Where is it located? 1 this sector / cooperative which finca? ____ (#) 2 Other sector of Orellana/ Sucumbios which sector? ____ (#) which farm? ____ (#) 3 Other province of theOriente 4 the Sierra 5 the Coast 6 Other country_____	10.3 How many hectares does the farm have? (By farm)?	10.4 What type of title (documents) do you have for this farm? 1 title 2 certificate of possession 3 nothing	10.5 What is the principal use, for crops or livestock ?	10.6 How many hectares do you have in this use on each farm?
				Note the principal crop and/or pasture(circle if pasture)	# of Ha. in this crop
1				a) b) c) pasture	a) b) c)
2				a) b) c) pasture	a) b) c)
3				a) b) c) pasture	a) b) c)
4				a) b) c) pasture	a) b) c)
5				a) b) c) pasture	a) b) c)

11. Aside from the land you own: Do you also rent or sharecrop other lands that belong to someone else?

0 No ---->11
1 Yes ----> do the table

11.1 How many parcels do you rent? For each parcel: PARCEL	11.2 What is the principal use? 1 pasture 2 short-cycle (annual) Crops 3 Other crops 4 Other	11.3 How many hectares # of Ha	11.4 How much do you earn per month from this parcel? Suces / month	11.5 How do you pay for its use?			11.6 Where is it located? 1 another farm in this sector 2 another sector in the Oriente 3 the Coast 4 the Sierra 5 another country
				(a) Suces/ mes	(b) (% of the harvest)	(c) Other	
# 1							
# 2							
# 3							

D. Agriculture and Land Use

INSTRUCTIONS: ADMINISTER THESE QUESTIONS BEFORE MAKING THE MAP OF THE PLOT. (Follow the instructions in the manual and the map protocol.)

1. How was the farm when you first saw it?
 - 1 principally forest, almost no crops
 - 2 mostly crops, secondarily forest
 - 3 mostly pasture, secondarily forest
 - 4 mostly secondary forest or fallow
 - 5 combination of forest, crops and pasture
 - 6 other _____

2. What type of soil do you have, in general ?
 - 1 black
 - 2 red
 - 3 sandy/alluvial
 - 4 other _____

3. Who is the soil quality on your farm in general?
 - 1 good
 - 2 regular
 - 3 poor

4. What is the predominant topography of the farm? (By *observation, enquire if necessary*)
 - 1 flat
 - 2 rolling
 - 3 steep hills
 - 4 flat & rolling
 - 5 rolling/steep
 - 6 flat/steep hills

5. Do you have areas of swamp or areas that flood regularly?
 - 0 NO—>6
 - 1 Yes
 - 8 DK—>6

5.1 How many hectares approximately? _____ Has. —> *Indicate the location on the sketch map*

5.2 Do you grow anything in these areas? 0 No —>6 table of land use
1 Yes

5.3 What do you cultivate in these areas?
1 rice
2 pasture
3 other _____

Instructions for # 6 (see manual...).

(1) show (o reintroduce) the 96/98 satellite image. Complete the first column (6.1) about current use (1999). Immediately following, do the map of land use for this month of 1999.

(2) After doing the table of use and map for 1999, do the second column (6.2) for use in 1990 (or for the earliest year on the plot, if arrived after 1990). Introduce the image for 1990 and do a map of use for the farm in 1990 (or the earliest year on the plot).

(3) Complete the third column (6.3) if the farmer arrived on the farm before 1990 for the first year of residence on the farm (year arrived), Do not complete another map of the farm if arrived before 1990.

6. *I would like to inquire about crops and land cover on the farm at this moment, and in earlier times...*

6.0 <i>For each crop that is grown on the farm in a separate parcel, whether distinguishable by age or physical location on the farm ...</i> (READ THE LIST)	6.1 (1999) How many Has do you have now of ... ? (If do not currently have this land cover/crop, then put a ---- dash in column a) (Note # of Has and if it is grown alone or in association with other trees)		6.2 (1990) How many hectares did you have of this crop in 1990? (Put ---- under column b if did not have this crop/cover)		6.3 <i>If arrived on the farm AFTER 1990:</i> How many HAS did you have when you arrived on the farm in 19___? (note the year in which arrived)	
	(A) # of Has. (this crop alone)	(b) # Has in association with trees	(a) Has. alone	(b) Has. in association with trees	(a) Has. alone	(b) Has. in association
Coffee, parcel # 1						
Cafe, parcel # 2						
Café, parcel #3						
Cacao						
African Palm						
Palmito						
Naranjilla						
other perrenial (permanent) crop _____ _____						

<p>6.0</p> <p><i>For each crop that is grown on the farm in a separate parcel, whether distinguishable by age or physical location on the farm ...</i></p> <p>(READ THE LIST)</p>	<p>6.1 (1999)</p> <p>How many Has do you have now of ... ?</p> <p>(If do not currently have this land cover/crop, then put a ---- dash in column a)</p> <p>(Note # of Has and if it is grown alone or in association with other trees)</p>		<p>6.2 (1990)</p> <p>How many hectares did you have of this crop in 1990?</p> <p>(Put ---- under column b if did not have this crop/cover)</p>		<p>6.3</p> <p><i>If arrived on the farm AFTER 1990:</i></p> <p>How many HAs did you have when you arrived on the farm in 19___? (note the year in which arrived)</p>	

Pasture#1 (by parcel)						
Pasture #2						
Pasture # 3						
sugar cane						
Rice						
Maize						
other short cycle (annual) crops _____ _____ _____						
Area of plantains/bananas >= .50 ha						
Family garden (Yucca, fruits)						
Crops in association with other crops (areas not yet mentioned) _____ _____						
Primary forest, not yet intervened for wood (virgin)						
Primary forest "intervened" for wood						
<i>Aks about areas in fallow or secondary regrowth. Enquire: how many years has it been fallow? Put in the appropriate column....</i>						
Young Fallow (<2 years)						
Old fallow (2 - 7 years)						
Secondary forest (>7 years)						

6.0 <i>For each crop that is grown on the farm in a separate parcel, whether distinguishable by age or physical location on the farm ...</i> (READ THE LIST)	6.1 (1999) How many Has do you have now of ... ? (If do not currently have this land cover/crop, then put a ---- dash in column a) (Note # of Has and if it is grown alone or in association with other trees)	6.2 (1990) How many hectares did you have of this crop in 1990? (Put ---- under column b if did not have this crop/cover)	6.3 If arrived on the farm AFTER 1990: How many HAs did you have when you arrived on the farm in 19___? (note the year in which arrived)
Swamp/Pantano			
Others: i.e., areas that are unusable due to contamination. Specify: _____ _____ _____			
TOTAL Area *			

*
Verify that the total number of crops, pasture, annuals, forest, fallow, swamp and other uses is equal to the figure in the final column.

Instructions: Enquire about an area in medium/long fallow(2 - 7 years) If none, ask about an area in short fallow. If none, skip to section "E").

7. Why do you have this parcel in fallow (or secondary succession) now?

- 1 low yields
- 2 "lost the crops"
- 3 no one to work them
- 4 Want to let the forest recover
- 5 Want the soil to recover
- 6 Other

7.1 How were you using the land before leaving it to rest/reforest?

7.1.1 For how long?

- 1 annual or short cycle crops _____ years
- 2 Pasture _____ years
- 3 perennial crops _____ years
- 4 Other use _____ years

7.2 How long has it been fallow already? _____ years

7.3 How much longer do you plan to leave it fallow? _____ years

7.4 What are you going to do with this fallow land (parcel) in the future?

- 1 grow perennial crops.
- 2 grow pasture
- 3 short-cycle crops
- 4 a reserve for wood/trees
- 5 manage the natural regeneration of woody species
- 6 other _____

Commentary: _____

E. PRODUCTION / YIELDS ON THE FARM 1. Now I would like to ask about production on this farm, about yields and sale of products. Do not ask about other farms (aside from the 1990 sample farm), in the case where there is more than one.

(a) For each crop.....	I want to ask about the harvest					And sales of this crop...			
	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
<i>for each crop that you grew on the farm in the past 12 months on THIS FARM ONLY,</i>	¿How many harvests did you have the last 12 months ?	¿How many Has. did you harvest in the last 12 months from this farm? (# de Ha)	¿In which month was the last harvest ? 1= january 2=Februar y 3= March 4=	¿How many quintales (qq) did you take out the last harvest? (qq. Or other units)	<i>Calculate</i> ¿How many QQ did you harvest in the last 12 months? <i>(Estimated production for the year)</i> in qq or other units	¿Is the majority for family consumption? 0 No 1 Yes	¿How much did you sell in the past 12 months? (# qq. Racimos, etc.)	¿To whom and where did you sell? 1 coffee market in town 2 buyers in town 3 intermediary on the farm 4 intermediary on the road 5 contract with a firm 6 other_____	¿What price did you receive per unit Average price in 000's of sucres)
1.1 Café (en total, todas las parcelas que se cultivan)						--NA--	_____ qq <i>for CAFÉ only</i> Did you sell it: 1 green cherries/wet 2 dry cherries 3 dried and shelled		
1.2 Cacao							1 wet 2 dry		
1.3 African Palm						--NA--			
4 Palmito						--NA--			
5 Platano or bananas									
Other perennial crops									
6 _____									
7 _____									
Fruits: 8 _____									
9 Maize									

(a) For each crop.....	I want to ask about the harvest					And sales of this crop...			
10 Rice:									
11 Sugar cane									
Other short-cycle, annual crops 12 _____									
Other crops : 13 _____ 14 _____									

2. Now I want to ask about changes in the harvest, the use of inputs, and other techniques used to manage crops (DO NOT READ THE LIST).

(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	
For this crop...	Changes in the harvest		Use of inputs (chemicals)			NEW techniques		
for up to 3 main crops grown.	Has the harvest increased, decreased, or stayed the same since 3 years ago? 1= less 2= same ->(d) 3= more 7= N/A, this is the first year for this crop	Why? increases) 1 new plants 2 new area of crops 3 use chemical or organic fertilizer 4 improved seeds 5 better management 6 other _____ (decreases) 7 old soil, less fertile 8 old plants, worn out 9 weeds 10 plagu or pests (the "broca") 11 poor management, lack of prunning 12 other _____ (Up to 2 responses for each crop)	Did you use any organic fertilizer or chemicals in the last 12 months, for this crop 0 NO 1 S ----->	What did you use? <i>Note each chemical used in the column, and its price in sucres ---->(f)</i> 1 herbicide 2 pesticide or plaguicide 3 chemical fertilizer 4 orgánic fertilizer 5 Other _____	How much did you spend on these inputs in the last 12 months? (Note the quantity and/or price in Sucres)	Quantity and Units (Liters, kilos, sacks...)	Price per unit	Do you use any special techniques in the management of this crop? 0 No/nothing 1 clones or imporved seeds 2 pruning (coffee, cacao) 3 integrated pest management 4 in asociation, alley-cropping, etc 5. organic fertilizer 6. Other _____
2.1 Café								
2.2 Cacao								
<u>Other perennial crops</u>								
2.3								
2.4								
2.5								
2.6								

3. Do you have cattle or other (large) livestock now?

0 No —>4
1 Yes

¿do you have..? (chickens and pigs, etc. are in the women's questionnaire)	(3.1) ... any? 0 no->3.4 1 yes	(3.2) How many head of this animal?	Commercialization of the animals or products				(3.7) # head owned in 1990	(3.8) Was this more or less than in 1990?
			(3.3) Is it (the animal or its products) mostly for home consumption ? 0 No 1 Yes	(3.4) How much did you sell in the past 12 months? (# cabezas)	(3.5) At what price did you sell (per unit)? (miles de Suces/ Unidad)	(3.6) If you sell milk or cheese: how much did you sell in the past 12 months? (sucres)		
1 live cattle								
2 calves						(N/A)		
3 african goats						(N/A)		
4 mules/horses						(N/A)		
5 other _____								

4. I would like to ask about products you get from the forest...

¿Do you collect any of the following from the forest? (READ each line)	(4.1) 0 No 1 Yes -->4.2	(4.2) Did you sell any in the last 12 months? 0 No -->go to the next line 1 Yes -->4.3	(4.3) ¿How many sucres did you earn (aproximately) in the pas 12 months? (000's of sucres)
1 wood			(if sell wood->do table 5)
2 wild fruits from the forest			
3 medicinal plants			
4 Maní de árbol			
5 Seeds			
6 rubber/Latex			
7 Sangre de drago			
8 Resin s			
9 Fibers			
10 mushroom/fungus			
11 wild animals			

¿Do you collect any of the following from the forest? <i>(READ each line)</i>	(4.1) 0 No 1 Yes -->4.2	(4.2) Did you sell any in the last 12 months? 0 No -->go to the next line 1 Yes -->4.3	(4.3) ¿How many sucres did you earn (aproximately) in the pas 12 months? (000's of sucres)
12 fish			
13 Other _____			

5. If you sold some wood from your farm..

Did you sell any of this class of wood? <i>(Read each line)</i>	(5.1) 0 No 1 Yes --->5.2	(5.2) What type of wood did you sell?	(5.3) ¿In what form did you sell wood? 1 standing 2 trunks 3 double planks 4 other _____	(5.4) What quantity of wood did you sell? (# of trees, trunks, planks, etc)	(5.5) ¿To whom did you sell? 1 Intermediary or wood merchant 2 timber company 3 sawmill 4 other farmers 5 otro _____	(5.6) ¿What price did you receive per unit sold ? (Not the units)
Fine? <i>(i.e. caoba, cedro, mascarey, guayacan, canelo, mentolado, colorado manzano, sande colorado, chuncho, moral cubo, etc)</i>						
average? <i>(I.e.. copal, laurel, canelo, jigua, sangre de gallina, coco)</i>						
Ordinary/low? <i>(i.e., de encofrado, cauchillo, guarango, arabisco, pachaco, etc.)</i>						

6. What varieties of timber trees did you used to have on your farm but now no longer have? *(Up to 5)*

- | | |
|----------|----------|
| 1. _____ | 4. _____ |
| 2. _____ | 5. _____ |
| 3. _____ | |

1 Yes
8 DK →6

3.1 Which areas?

- 1 near springs
- 2 on banks of rivers/streams.
- 3 areas far away/back of the farm
- 4 steep slopes
- 5 Other _____

3.2 How many hectares total? _____ HA

3.3 Why? _____

G. LABOR FORCE

1. In 1998, did you use any day laborers or other workers to help on the finca? Y ----> N (skip to 2)

Please indicate in the table the tasks, # of days or months (approximate) and pay during the last 12 months

	in the last 12 months		(Space for calculations)
1.1 Did you hire any day or other workers for the farm in 1998?	0 No----->2.0 1 Yes -----> 1.2		
1.2 What type of labor did you hire (note all that apply)	1 day hire	2 contract workers	
1.3 How much time of hired workers did you used in the past 12 months ?	_____ days	_____ days	
1.4 What work did they do for you mainly? (For each type of worker hired)	1 clear forest (or secondary growth) 2 plant or harvest annual crops 3 plant or harvesting coffee 4 weeding of crops or pasture 5 extraction of wood/trunks 6 other _____	1 clear forest (secondary growth) 2 plant or harvest annual crops 3 plant or harvesting coffee 4 weeding of crops or pasture 5 extraction of wood/trunks 6 other _____	
1.5 How much did you pay? (on average) <i>(If pay was by tasks/job, the estimate the time required)</i>	_____ Sucres/days 1 with food 2 without food	_____ Sucres/day	
1.6 Where did the workers come from, mostly ? <i>(Note all that apply)</i>	1 farms near here 2 other parts of the Oriente 3 the Sierra 4 the Coast	1 farms near here 2 other parts of the Oriente 3 the Sierra 4 the Coast	
1.7 What relationship do the workers have with you (your family)? <i>(Anotar todo que menciona)</i>	1 relatives 2 known persons/acquaintances 3 unknown	1 relatives 2 known persons/acquaintances 3 unknown	

<p>1.8. ¿ Besides these, have you any permanent employees in the service of your farm?</p>	0	No	
	1	Yes ----->	1.8.1 ¿How many? _____
			1.8.2 ¿How many months did they work for you the past 12 months? _____ (Calculate # persons and months)
			1.8.3. How much did you pay, in total?

2. In the last 12 months, did you use any exchange labor on the farm (i.e., neighbors)?
- 0 No --->3
 - 1 Yes
 - 8 DK---->3

- 2.1 For what purpose/activity?
- 1 harvest/weed/plant
 - 2 clear forest or vegetation
 - 3 Construction of fences, buildings
 - 4 Other_____

3. Which would you say is the principal source of labor on your farm ?
- READ ALL OF THE LIST, BUT NOTE ONLY ONE ANSWER
- 1 All members of the household
 - 2 Adult men in the household
 - 3 Adult women in the household
 - 4 Day or contract workers
 - 5 Other_____

4. During the last 12 months, Did you or any other member of the household work outside the farm for at least one month in total, as employee or in your own business ?

- 0 No---->5
- 1 Yes
- 8 DK ---->5

Enquire about every person who worked off the farm in whatever profession, job or post during the last 12 months. Use one line for each person and type of work: for example, if a person worked in 2 distinct jobs, outside of the far, use 2 lines

#	4.2 Who worked off the farm (Name of each person)	4.2 What is his/her age? (Completed years)	4.3 ID # of the person from the female questionnaire.*	4.4 What work did he/she do? Note the tipe of work for each person, using a line for each distinct type of work (use codes) 1 day laborer in agriculture 2 chainsaw operator with own chainsaw 3 contract work in plantations 4 manual work with petroleum companies 5 professional/technical work with companies 6 professional/technical work with non-agricultral employer/firm 7 employee of shop, restaurant, store, in a city/town of the Oriente (non agricultural) 8 run a taxi/transport business 9 buy/sell products (agricultural or non-agricultural) 10 Other type of self-employment _____ 11 Other work _____	4.5 Howmany months did he/she work ? Note # of months in this work by type of work	4.6 How many days per month did he/she work in this job? Note the total # of dias	4.7 How much did he/she receive from this work ? Note average wage, and if per day or per month, by type of work # Sucres/	4.8 If work was as daylabore r, did he/she receive food? 0 no 1 Yes 3 X days 2 Yes, other ____ 7 NA	4.9 How much did he/she earn from this work in the past 12 months? Calculate wages X duration	4.10 Where was this work? 1 in this sector 2 another rural area of the Oriente 3 urban areas of the Oriente 4 the Sierra 5 the Coast 6 in Colombia 7 another place _____

* Supervisor: The ID # comes from the female questionnaire, hh roster, afterward. Note the name and age of the person.

INFORMATION & TECHNICAL ASSISTANCE

Have you **heard of** any of these institutions which provide agricultural assistance, inputs or information in the Oriente?

READ THE LIST FOR EACH PROVINCE AND PLACE AND "X" IN THE COLUMN IF KNOWN]

for interviews in the province of SU

additional comments

Institution Have you heard of... (Read each line)	0 No 1 Yes 8 DK	(spontaneous)
1.1 PROFORS		--
1.2 FUNDAFOR		--
1.3 Fundación Forestal MANO VERDE		--
1.4 FEPP		--
1.5 Finca Demonstrativa APAFANO		--
1.6 Other Demonstration Farm		--
1.7 The Rocio Nursery	1 yes 2 No -->1.8 8 N/S -->1.8	1.7.1 What do you think of the variety there? 1 good 2 Adequate 3 poor (little variety) 8 DK
1.8 "Machetes y Garabatos" (radio program)	1 yes 2 No-->2	1.8.1 What do you think of the program? 1 very useful 2 somewhat useful 3 not very useful 8 DK

for interviews in the province of NAPA/ORI/LLAN

Institution Have you heard of (Read each line)	0 No (skip) 1 Yes 8 DK skip	additional comments
1.1 FEPP		
1.2 INIAP - Payamino Experimental Farm		--
1.3 INIAP SAN CARLOS		--
1.4 "Voz del Upano" (Voice of the Upano) (radio program)	Yes -->1.4.1	1.4.1 What do you think of the program? 1 very useful 2 somewhat useful 3 not very useful 8 DK

2. Since you arrived in the Oriente, have you or anyone in your family received any technical assistance from any institution? For example, advice about crops, livestock...

Did you receive any assistance regarding ... (READ ALL)	(A) 0 No 1 Si—>b 3 DK	(b) from which institution? (See list below)	(c) What did the assistance consist of? (Use codes 1-5)	(d) When was the last time you received it? (19 __ __)	(e) Was it useful or not? 1 useful 2 not very useful 8 DK	(F) How much did it cost (the last time)? (Suces)
2.1 Café? (I.e. about production, management, harvesting, improved plants) 2.2 Other perenials? (Palmito, Pepper) Which? _____ 2.3 Cattle 2.4 African goats 2.5 Rice, Maize (annuals) 2.6 Reforestation 2.7 Agroforestry 2.8 Alternative crops (citrus, pimienta, etc.) 2.9 Comercialization of products 2.10 Fish pond management						

CODES FOR TECHNICAL ASSISTANCE	
Institutions: 1 MAG 2 INIAP 3 FEPP 4 ProFors 5 Fundacion Forestal MANO VERDE 6 FUNDAFOR 7 INEFAN 8 BANCO NACIONAL DE FOMENTO (BNF) 9 ECORAE, 10 otra _____)	Codes for type of assistance: 1 Attended practical workshop/course;attended demonstration farm 2 Attended seminar (general / theory) 2 Received inputs, such as seeds, plants, fertilizer 3 Received information ; pamphlets, etc 4 Received funds/credit (Check with Q below) 5 Other _____)

If has not yet mentioned incentives do #3: READ ALL OF THE QUESTION AS WRITTEN

3. Have you ever received any cash incentive to maintain plants or fruit/wood trees ?

0 No----->4
 1 Yes
 8 DK----->4

3.1 From which organization did you receive the incentive? _____

3.2 Have you continued caring for these plants? 0 No
1 Yes ----->4

3.2.1 If “No”, why not? Explain

4. Have you heard of “agroforestry systems”? 0 No —>5
1 Yes
8 DK / not sure---->5

4.1 Are there advantages to agroforestry systems on the farm? 0 No—>5
1 Yes
8 DK

4.2 What do you think are the advantages of agroforestry systems on the finca?

(DO NOT READ, mark all that are mentioned)

- 1 You have more fruit and wood on the farm
- 2 Increase crop production
- 3 Enrich the soil with (green) fertilizer
- 4 Provide shade and protection for crops/livestock
- 5 Other _____

5. Have you heard of “African goats”? 0 No ----->6
1 Yes ->5.1
8 DK/not sure—>6

5.1 Are there advantages to managing African goats? 0 No----->6
1 Yes

5.2 What are the advantages of African goats?

(DO NOT READ – NOTE ALL THAT ARE MENTIONED)

- 1 Good economic returns
- 2 Don't damage the soil/pasture
- 3 Can be slaughtered at home to feed the family
- 4 The meat tastes good
- 5 They eat fodder that cattle don't eat
- 6 They reproduce faster than cattle
- 7 Other _____

5.3 Would you like to have African goats on your farm? 0 No
1 Yes

6. Do you know what “INEFAN” is? 0 No ----->7
1 Yes
8 DK/NOT SURE

6.1 Do you know what INEFAN does?

(DO NOT READ, NOTE ALL THAT ARE MENTIONED)

- 1 Control the harvest of wood
- 2 Control forests and natural areas to ensure adequate management
- 3 Prohibit the traffic in wild animals
- 4 Prohibit the logging of trees
- 5 Reforestation
- 6 Protect the environment/protected areas
- 7 Control illegal traffic in wood

8 Other _____
 9 Not sure

7. Since you arrived in the Oriente, have you received credit or a loan from any source?

0 No---->8
 1 Yes----> do table
 8 DK ---->8

(A)	(b)	(c)	(d)	(e)	(f)	(g)
# of the loan use one line for each loan received	From what source? 1 BNF 2 Other bank 3 Fepp 4 IERAC 5 moneylender 6 friend/relative 7 Credit from coffee buyer 8 Credit from cattle buyer 9 other _____	In what year was it received?	How did you use the loan? 1 buy Cattle 2 plant coffee 3 buy aricultural chemicals, seeds 4 buy chainsaw 5 buy Vehicle 6 buy other machinery 7 buy/build a house 8 Pay for medical expenses 9 food, clothing, other family necessities 10 Education/training 11 Pay IERAC (mortgage or title) 12 contract labor/workers/services 13 Other _____ _____	How much did you receive? (Suces)	How much do you still owe? (Suces) (If owe nothing, put 0)	How much do you pay per month? (sucres) (If still owe nothing, put 0)
1						
2						
3						

(If still have not received any credit or loan do #8)

8. Have you tried to get credit or a loan?

0 No ---->9
 1 Yes

8.1 Did you have problems in procuring credit?

0 No---->9
 1 Yes

8.2 What problems did you have?

1 lacked title
 2 lacked other collateral
 3 process was too slow
 4 too poor, no backing
 5 too far (from towns)
 6 Other _____

9. What type of assistance do you **most need** or wish to have on your farm?

(DO NOT READ: NOTE UP TO 3 THAT ARE MENTIONED WITHOUT PROMPTING)

- 1 better management, production of coffee
- 2 rice cultivation
- 3 cattle
- 4 African goats
- 5 Palmito
- 6 Fish ponds
- 7 Reforestation with wood varieties
- 8 Agroforestry systems (in general)
- 9 Use of non-timber forest products

- 10 Commercialization of products
- 11 Use of inputs for production
- 12 Crop storage and post-harvest processing
- 13 Credit for production
- 14 Procuring land title
- 15 Other _____

I. Attitudes and Satisfaction

1. How has your life changed in the Oriente in comparison with the situation in your previous place of residence?

- 1 Life here is better----->1.1
- 2 Life here is the same----->2
- 3 Life here is worse----->1.2

1.1 If life is better, why?

(Mark up to TWO)

- 1 more land to cultivate
- 2 better harvests
- 3 have own land now (not rented)
- 4 have livestock (cattle)
- 5 have to work less in the Oriente
- 6 economic situation is better
- 7 there is no boss
- 8 there is more work here
- 9 better health
- 10 better climate
- 11 everything is better
- 12 Other _____

1.2 If life is worse, why?

(Mark up to TWO)

- 1 harvests worse
- 2 plagues/pests in the harvest
- 3 there is no non-farm work
- 4 difficult to live/work in the forest
- 5 lack of transport to sell farm products
- 6 low income
- 7 life is more expensive
- 8 schools are farther away
- 9 poor health/sick more often
- 10 shortage of food
- 11 worse climate
- 12 environmental contamination
- 13 domestic problems (in the family)
- 14 the Northeast is dangerous
- 15 relatives live far away
- 16 feel abandoned, alone
- 17 conflicts with neighbors
- 8 other _____

2. ¿Are there any problems of environmental contamination around here?

- 0 No-----> 3
- 1 Yes
- 8 DK -----> 3

<p>(a) 2.1 ¿What type of contamination exists around here? <i>(DO NOT READ)</i></p>	<p>(b) 2.2 ¿What is the source of contamination? <i>(DO NOT READ)</i></p>
--	--

5 Other _____

6. For how much money would you be willing to sell the farm? _____ (sucres)

7. Do you (Would you) want your sons to remain here in the Oriente in the future? 0 No ---->7.1
 1 Yes---->7.2
 8 DK -->8

7.1 (if NO) Why?

- 1 life is difficult here
- 2 lack of land here
- 3 poor soils/land here
- 4 shortage of work around here
- 5 health problems here
- 6 unaccustomed to the climate here
- 7 lack of services/infrastructure here
- 8 lack of roads
- 9 lack of access to education
- 10 have relatives/friends elsewhere
- 11 Other _____

7.2 (IF "Yes") ¿Why?

- 1 want them to stay nearby
- 2 Life is good/tranquil here
- 3 there is sufficient land here
- 4 there is sufficient work here
- 5 have relatives/friends here
- 6 Other _____

8. Do you (Would you) want your daughters to remain here in the Oriente in the future?

0 No -->8.1
 1 Yes ---->8.2
 8 DK --> to the end

7.2 (IF "Yes") ¿Why?

- 1 life is difficult here
- 2 lack of land here
- 3 poor soils/land here
- 4 shortage of work around here
- 5 health problems here
- 6 unaccustomed to the climate here
- 7 lack of services/infrastructure here
- 8 lack of roads
- 9 lack of access to education
- 10 have relatives/friends elsewhere
- 11 Other _____

- 1 want them to stay nearby
- 2 Life is good/tranquil here
- 3 there is sufficient land here
- 4 there is sufficient work here
- 5 have relatives/friends here
- 6 Other _____

Thank you!

 DO NOT READ: Observations of the interviewer

Comment on the level of confidence in the responses

- 1 excellent/high
- 2 good/fairly high
- 3 satisfactory/adequate
- 4 low/poor

Other comments _____

