

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 **A1**  
2 Aguarico
2. Province 1 Napo/Orellana **A2**  
2 Sucumbios
3. Canton   **A3**   4. Parroquia   **A4**
5. Sector # (1990):   **A5**   6. Name of precooperative   **Not Coded**
7. Line # of farm   **A7**   8. # of the farm (lot, 1990)   **A8**
9. ID # (1990):   **A9B**   /   **A9C**   /   **A9D**   (sector, lot and subdivision #)
10. Name of head, 1990   **Not Coded**
11. Name of female respondent, 1990   **Not Coded**
- 12.

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

	1 <sup>st</sup> visit	2 <sup>nd</sup> visit	3 <sup>rd</sup> visit
Date	MESENTRI1 / DIAENTI1	MESENTRI2 / DIAENTI2	MESENTRI3 / DIAENTI3
Hour begun	HORAINI1 : MININI1	HORAINI2 : MININI2	HORAINI3 : MININI3
Hour completed	HORFIN1 : MINFIN1	HORFIN2 : MINFIN2	HORFIN3 : MINFIN3
Interviewers ( initials)	CODENT1	CODENT2	CODENT3
Results ( códigos below)	RESULT1	RESULT2	RESULT3
Respondent ( códigos below)	CODRESP1	CODRESP2	CODRESP3

<b>Results (codes):</b>		<b>Codes for identifying respondent</b>	
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) <b>IDHOGAR</b>	
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? **A13**  
 1. Interviewee: --> Name: \_\_\_\_\_ → 14  
 2. Does not live here on the farm
- 13.1 Where does the owner live?  
 Name (s): \_\_\_\_\_ Sector: **A131A** # of the farm: **A131B**  
 Population Center \_\_\_\_\_ Reference \_\_\_\_\_
14. Who manages or is responsible for the farm (land)? **A14**  
 1. Owner --> 16  
 2. Renter  
 3. Employee  
 4. Other.....
15. Name of interviewee (economic head of farm) 1999 **Not coded** \_\_\_\_\_
16. Name of spouse of head, 1999 **Not coded** \_\_\_\_\_
17. # of the finca (1999) **A17** # of subdivisions (1999) **A17A**
18. Apart from yourself, are there other persons who manage part of this farm independently? **A18**  
 0 No -->19  
 1 Si
- 18.1 How many lots/subdivisions does the original farm have now, in 1999? **A181** \_\_\_\_\_
19. ID number of this farm or subdivisión in 1999: /\_A19A/\_A19B/\_A19C/\_A19D/\_A19E\_/
20. 1999: Distance by foot to the farm **A20A** km from **A20B** to **A20B1**
21. 1999: Distance by secondary road: **A21** km from **A21B** to **A21B1**  
 by the **A21C** road
22. 1999: Distance by primary road **A22A** Km. From **A22B** to **A22B1**  
 by the **A22D** highway
23. 1999: Distance by canoe (river): **A23A** km from **A23B** to **A23B1**  
 by the **A23D** river
24. Have there been any new roads constructed here since 1990 (or have roads been much improved since 1990)? **A24**  
 0 No  
 1 Yes -->Explain: \_\_\_\_\_
25. Is there vehicular access to the la finca? **A25**  
 0 No, never  
 1 yes, all year  
 2 yes but depends on the rains
26. Does the owner belong to a (pre)cooperative now? **A26**  
 0 No ----->section B  
 1 Yes
- 26.1 Name of precooperative? \_\_\_\_\_
- 26.2 Is the precooperative active? **A262**  
 0 No ---> section B  
 1 Yes
- 26.3 What does it do? **A263** \_\_\_\_\_



5.1.4 ¿What did you do with the land? **B514A B514B**  
 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? **B52**  
 0 No ----> 6  
 1 Sí  
 8 DK ---->6

5.2.1 ¿How many hectares did you rent or sharecrop? **B521A HA**

5.2.2 ¿What was the principal activity? **B522**  
 1. Agriculture  
 2. Livestock/ animal raising  
 3. Combination of agriculture & livestock  
 4. Other \_\_\_\_\_

6. ¿Did you have any other economic activity? **B6**  
 0 No  
 1 Yes  
 8 DK

6.1 Did you work for another person or firm ? **B61**  
 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?  
 \_\_**B611**\_\_ months

6.1.2 Was this principally agricultural or non-agricultural work?  
**B612**  
 1 non agricultural  
 2 agricultural

6.2 Did you have your own business (as well)? **B62**  
 0 No ---->7  
 1 yes  
 8 DK---->7

6.2.1 Did you have any paid employees (besides yourself)? **B621A** 0 No  
 1 Yes -> How many? **B621B**\_\_

6.2.2 What did you do with the business? **B622**  
 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 \_\_\_\_\_



- 10.6. What did you do with the finca? **B106**  
 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)  
**B107A** 1 poor quality soil.  
**B107B** 2 worn out soil  
**B107C** 3 low production  
**B107D** 4 farm from town, roads  
**B107E** 5 offered a good price  
**B107F** 6 to pay off debt  
**B107G** 7 health problems  
**B107H** 8 conflicts with neighbors  
**B107I** 9 Other \_\_\_\_\_

10.8 (If you sold it) For how much? \_\_\_\_\_ **B108** \_\_\_\_\_ sucres

**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)? **B11**  
 0 No  
 1 Yes  
 8 DK

- 11.1 Who has come?  
**B111A** 1 Wife  
**B111B** 2 Children  
**B111C** 3 Parent(s)  
**B111D** 4 Brother/sister  
**B111E** 5 Cousin(s)  
**B111F** 6 Friends

**C. LAND TENURE AND SUBDIVISION OF THE FARM.**

1. Originally, how many hectares was this finca (the original "mother farm")? **C1** \_\_\_\_\_ ha  
 2. Have you or the previous owner sold any part of the farm? **C2** 0 No  
 1 Yes --> do the table

#	2.1 How many parcels have been sold? <b>C21A</b> 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		<b>C22A</b>	<b>C23A</b>	(Sector) <b>C24A</b> (Finca) <b>C242A</b> (Population Center) <b>C242A1</b>
2		<b>C22B</b>	<b>C23B</b>	<b>C24B</b> <b>C241B</b> <b>C242B</b> <b>C242B1</b>
3		<b>C22C</b>	<b>C23C</b>	<b>C24C</b> <b>C241C</b> <b>C242C</b> <b>C242C1</b>
		<b>C22D</b>	<b>C23D</b>	<b>C24D</b> <b>C241D</b> <b>C242D</b> <b>C242D1</b>
		<b>C22E</b>	<b>C23E</b>	<b>C24E</b> <b>C241E</b> <b>C242E</b> <b>C242E1</b>
		<b>C22F</b>	<b>C23F</b>	<b>C24F</b> <b>C241F</b> <b>C242F</b> <b>C242F1</b>

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 ...

C3

0 No -----> 4

1 Yes

# of the subdivisión	3.1 How many lots do you have in this form? <b>C31A</b>  Who is the person who manages the land? (Name)  (Find out to interview the family)	3.2 What is their relationship to you (the head)?  1 son/daughter 2 Parent 3 brother/sister 4 Other relative 5 Non-relative	3.3 How many hectares do they have?  (# of Ha)  <i>Register on the map of the farm</i>	3.4 How does this person use/pay for the land?  1 Rent 2 Loan 3 Exchange 4 Inheritance 5 Other _____	3.5 How much do you receive?  Sucres/year (or sucres/year in exchange)	3.6 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		<b>C32A</b>	<b>C33A</b>	<b>C34A</b>	<b>C35A</b>	(Sector) (Finca) (Pop Ctr) <b>C36A C361A C362A C363A</b>
2		<b>C32B</b>	<b>C33B</b>	<b>C34B</b>	<b>C35B</b>	(Sector) (Finca) (Pop Ctr) <b>C36B C361B C362B C363B</b>
3		<b>C32C</b>	<b>C33C</b>	<b>C34C</b>	<b>C35C</b>	(Sector) (Finca) (Pop Ctr) <b>C36C C361C C362C C363C</b>
4		<b>C32D</b>	<b>C33D</b>	<b>C34D</b>	<b>C35D</b>	(Sector) (Finca) (Pop Ctr) <b>C36D C361D C362D C363D</b>
		<b>C32E</b>	<b>C33E</b>	<b>C34E</b>	<b>C35E</b>	(Sector) (Finca) (Pop Ctr) <b>C36E C361E C362E C363E</b>
		<b>C32F</b>	<b>C33F</b>	<b>C34F</b>	<b>C35F</b>	(Sector) (Finca) (Pop Ctr) <b>C36F C361F C362F C363F</b>

(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? **C4** \_Ha

5. In what year did you procure it? **C5** 19 \_\_\_\_

6. This finca (SUBDIVISION OR ORIGINAL FARM) is:  
**C6**  
1 my own  
2 rented  
3 borrowed  
4 Other

7. What type of document do you have? **C7**  
1 title  
2 Certificate of possession —.9  
3 surveyed only —>9  
4 nothing —>9

7.1 In what year did you get the title? **C71** 19 \_\_\_\_ --->9

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

**C8**

- 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?

**C9**

1 bought from another colonist

9.1 Name of the prior owner .....

9.2 How much did you buy it for? .....**C92**..... sucsres

2 bought from the bank

9.2 How much did you buy it for? .....**C93**.....sucsres

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)? **C10**

0 No----->11

1 Yes ----> do the table

10.1 How many farms do you have, aside from this one?  _C101_  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	(Sector) (Finca) C102A C102A1 C102A2	C103A	C104A	a) C105A1 b) C105A2 c) pasture C105A3	a) C106A1 b) C106A2 c) C106A3
2	C102B C102B1 C102B2	C103B	C104B	a) C105B1 b) C105B2 c) pasture C105B3	a) C106B1 b) C106B2. c) C106B3
3	C102C C102C1 C102C2	C103C	C104C	a) C105C1 b) C105C2 c) pasture C105C3	a) C106C1 b) C106C2 c) C106C3
4	C102D C102D1 C102D2	C103D	C104D	a) C105D1 b) C105D2 c) pasture C105D3	a) C106D1 b) C106D2 c) C106D3
5	C102E C102E1 C102E2	C103E	C104E	a) C105E1 b) C105E2 c) pasture C105E3	a) C106E1 b) C106E2 c) C106E3
	C102F C102F1 C102F2	C103F	C104F	a) C105F1 b) C105F2 c) pasture C105F3	a) C106F1 b) C106F2 c) C106F3

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



**C11**

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

11.1 How many parcels do you rent?  _C111_  For each parcel: PARCEL	11.2 What is the principal use?  1 pasture 2 short-cycle (annual) Crops 3 Other crops 4 Otherr	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 2another sector in the Oriente 3 the Coast 4 the Sierra 5 another country
				(a) Suces/ mes	(b) (% of the harvest)	(c) Other	
# 1	C113A	C112A	C114A	C1151A	C1152A	C1153A	C116A
# 2	C113B	C112B	C114B	C1151B	C1152B	C1153B	C116B
# 3	C113C	C112C	C114C	C1151C	C1152C	C1153C	C116C
	C113D	C112D	C114D	C1151D	C1152D	C1153D	C116D
	C113E	C112E	C114E	C1151E	C1152E	C1153E	C116E

**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.)

- How was the farm when you first saw it?  
**D1**  
 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 \_\_\_\_\_
- What type of soil do you have, in general ?  
**D2**  
 1 black  
 2 red  
 3 sandy/alluvial  
 4 other \_\_\_\_\_
- Who is the soil quality on your farm in general?  
**D3**  
 1 good  
 2 regular  
 3 poor
- What is the predominant topography of the farm? (By *observation, enquire if necessary*)  
**D4**  
 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?

- D5**  
 0 NO—>6  
 1 Yes  
 8 DK—>6

5.1 How many hectares approximately? **D51** Has. —> *Indicate the location on the sketch map*

5.2 Do you grow anything in these areas? **D52** 0 No —>6 table of land use  
 1 Yes

5.3 What do you cultivate in these areas?

- D53**  
 1 rice  
 2 pasture  
 3 other **D53A** \_\_\_\_\_

**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 ...  (READ THE LIST)</i>	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__ _D63_? (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	D611A	D612A	D621A	D622A	D631A	D632A
Café, parcel # 2	D611B	D612B	D621B	D622B	D631B	D632B
Café, parcel #3	D611C	D612C	D621C	D622C	D631C	D632C
Cacao	D611D	D612D	D621D	D622D	D631D	D632D
African Palm	D611E	D612E	D621E	D622E	D631E	D632E
Palmito	D611F	D612F	D621F	D622F	D631F	D632F
Naranjilla	D611G	D612G	D621G	D622G	D631G	D632G
Pasture #1 (by parcel)	D611H	D612H	D621H	D622H	D631H	D632H

<p><b>6.0</b></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><b>(READ THE LIST)</b></p>	<p><b>6.1 (1999)</b> 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><b>6.2 (1990)</b> 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><b>6.3</b> <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__ _D63_? (note the year in which arrived)</p>	
Pasture #2	D611I	D612I	D621I	D622I	D631I	D632I
Pasture # 3	D611J	D612J	D621J	D622J	D631J	D632J
	D611K	D612K	D621K	D622K	D631K	D632K
	D611L	D612L	D621L	D622L	D631L	D632L
sugar cane	D611M	D612M	D621M	D622M	D631M	D632M
Rice	D611N	D612N	D621N	D622N	D631N	D632N
Maize	D611O	D612O	D621O	D622O	D631O	D632O
other short cycle (annual) crops _____ _____ _____						
Area of plantains/bananas >= .50	D611P	D612P	D621P	D622P	D631P	D632P
Family garden (Yucca, fruits )	D611Q	D612Q	D621Q	<i>D621Q</i>	D631Q	D632Q
<b>Crops in association with other crops (areas not yet mentioned)</b> _____ _____						
Primary forest, not yet intervened	D611R	D612R	D621R	D622R	D631R	D632R
Primary forest "intervened" for	D611S	D612S	D621S	D622S	D631S	D632S
<i>Ask 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)	D611T	D612T	D621T	D622T	D631T	D632T
Old fallow (2 - 7 years)	D611U	D612U	D621U	D622U	D631U	D632U
Secondary forest (>7 years)	D611V	D612V	D621V	D622V	D631V	D632V
Swamp/Pantano	D611W	D612W	D621W	D622W	D631W	D632W

<p><b>6.0</b></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><b>(READ THE LIST)</b></p>	<p><b>6.1 (1999)</b> 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><b>6.2 (1990)</b> 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><b>6.3</b> <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__D63__? (note the year in which arrived)</p>	
<p>Others: i.e., areas that are unusable due to contamination. Specify:</p> <p>D61X D62X D63X D61Y D62Y D63Y D61Z D62Z D63Z D61AA D62AA D63AA D61AB D62AB D63AB</p>	<p>D611X D611Y D611Z D611AA D611AB</p>	<p>D612X D612Y D612Z D612AA D612AB</p>	<p>D621X D621Y D621Z D621AA D621AB</p>	<p>D622X D622Y D622Z D622AA D622AB</p>	<p>D631X D631Y D631Z D631AA D631AB</p>	<p>D632X D632Y D632Z D632AA D632AB</p>
<p><b>TOTAL Area *</b></p>	<p>D611AI</p>	<p>D612AI</p>	<p>D621AI</p>	<p>D622AI</p>	<p>D631AI</p>	<p>D632AI</p>

\*  
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? **D7A D7B**

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?

**D71A** 1 annual or short cycle crops **D711A** years

**D71B** 2 Pasture **D711B** years

**D71C** 3 perennial crops **D711C** years

**D71D** 4 Other use \_\_\_\_\_ **D711D** years

7.2 How long has it been fallow already? **D72** \_\_\_\_\_ years

7.3 How much longer do you plan to leave it fallow? **D73** \_\_\_\_\_ years

7.4 What are you going to do with this fallow land (parcel) in the future?  
**D74A D74B**

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 <b>Has. did you harvest</b> 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 <b>receive per</b> unit  Average price in 000's of sucres)
1.1 Café  (en total, todas las parcelas que se cultivan)	<b>E1B</b>	<b>E1C</b>	<b>E1D</b>	<b>E1E</b>	<b>E1F</b>	--NA--	(1) <b>E1HA</b> qq (2) <b>E1HB</b> qq (3) <b>E1HC</b> qq  <i>for CAFÉ only</i> Did you sell it: <b>E1H1A</b> 1 green cherries/wet <b>E1H1B</b> 2 dry cherries <b>E1H1C</b> 3 dried and shelled	<b>E1IA / E11IA</b>  <b>E1IB / E11IB</b>  <b>E1IC / E11IC</b>	<b>E1JA</b>  <b>E1JB</b>  <b>E1JC</b>
1.2 Cacao <b>E2B1</b>	<b>E2B</b>	<b>E2C</b>	<b>E2D</b>	<b>E2E</b>	<b>E2F</b>	<b>E2G</b>	1 wet <b>E2H1A</b> <b>E2HA</b> qq 2 dry <b>E2H1B</b> <b>E2HB</b> qq	<b>E2IA E21IA</b>  <b>E2IB E21IB</b>	<b>E2JA</b>  <b>E2JB</b>
1.3 African Palm	<b>E3B</b>	<b>E3C</b>	<b>E3D</b>	<b>E3E</b>	<b>E3F</b>	--NA--	<b>E3H</b>	<b>E3I E31I</b>	<b>E3J</b>
4 Palmito	<b>E4B</b>	<b>E4C</b>	<b>E4D</b>	<b>E4E</b>	<b>E4F</b>	--NA--	<b>E4H</b>	<b>E4I E41I</b>	<b>E4J</b>
5 Platano or bananas	<b>E5B</b>	<b>E5C</b>	<b>E5D</b>	<b>E5E</b>	<b>E5F</b>	<b>E5G</b>	<b>E5H</b>	<b>E5I E51I</b>	<b>E5J</b>
Other perennial crops <b>E6B1</b> 6 _____ <b>E6B2</b>	<b>E6B</b>	<b>E6C</b>	<b>E6D</b>	<b>E6E</b>	<b>E6F</b>	<b>E6G</b>	<b>E6H</b>	<b>E6I E61I</b>	<b>E6J</b>
7 <b>E7B1</b> <b>E7B2</b>	<b>E7B</b>	<b>E7C</b>	<b>E7D</b>	<b>E7E</b>	<b>E7F</b>	<b>E7G</b>	<b>E7H</b>	<b>E7I E71I</b>	<b>E7J</b>
Fruits: 8 _____ <b>E8B1</b>	<b>E8B</b>	<b>E8C</b>	<b>E8D</b>	<b>E8E</b>	<b>E8F</b>	<b>E8G</b>	<b>E8H</b>	<b>E8I E81I</b>	<b>E8J</b>

(a) For each crop.....	I want to ask about the harvest ....					And sales of this crop...			
9 Maize	E9B	E9C	E9D	E9E	E9F	E9G	E9H	E9I E9I1	E9J
10 Rice:	E10B	E10C	E10D	E10E	E10F	E10G	E10H	E10I E10I1	E10J
11 Sugar cane	E11B	E11C	E11D	E11E	E11F	E11G	E11H	E11I E11I1	E11J
Other short-cycle, annual crops 12 ___E12B1___	E12B	E12C	E12D	E12E	E12F	E12G	E12H	E12I E12I1	E12J
Other crops : 13 ___E13B1___ 14 ___E14B1___	E13B  E14B	E13C  E14C	E13D  E14D	E13E  E14E	E13F  E14F	E13G  E14G	E13H  E14H	E13I E13I1  E14I E14I1	E13J  E14J

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? <b>increases)</b> 1 new plants 2 new area of crops 3 use chemical or organic fertilizer 4 improved seeds 5 better management 6 other _____ <b>(decreases)</b> 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 ----&gt;(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	E21B	E21C E21C1	E21D	E21E	E21F E21F1	E21G	E21H	
2.2 Cacao	E22B	E22C E22C1	E22D	E22E	E22F E22F1	E22G	E22H	
<u>Other perennial crops</u>	E23B	E23C E23C1	E23D	E23E	E23F E23F1	E23G	E23H	
2.3 E23	E24B	E24C E24C1	E24D	E24E	E24F E24F1	E24G	E24H	
2.4 E24	E25B	E25C E25C1	E25D	E25E	E25F E25F1	E25G	E25H	
2.5 E25	E26B	E26C E26C1	E26D	E26E	E26F E26F1	E26G	E26H	
2.6 E26								



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

E3

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	<b>E31A</b>	<b>E32A</b>	<b>E33A</b>	<b>E34A</b>	<b>E35A</b>	<b>E36A</b>	<b>E37A</b>	<b>E38A</b>
2 calves	<b>E31B</b>	<b>E32B</b>	<b>E33B</b>	<b>E34B</b>	<b>E35B</b>	(N/A)	<b>E37B</b>	<b>E38B</b>
3 african goats	<b>E31C</b>	<b>E32C</b>	<b>E33C</b>	<b>E34C</b>	<b>E35C</b>	(N/A)	<b>E37C</b>	<b>E38C</b>
4 mules/horses	<b>E31D</b>	<b>E32D</b>	<b>E33D</b>	<b>E34D</b>	<b>E35D</b>	(N/A)	<b>E37D</b>	<b>E38D</b>
5 other <b>E31E1</b>	<b>E31E</b>	<b>E32E</b>	<b>E33E</b>	<b>E34E</b>	<b>E35E</b>		<b>E37E</b>	<b>E38E</b>

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	<b>E41A</b>	<b>E42A</b>	<b>E43A</b> ( if sell wood->do table 5)
2 wild fruits from the forest	<b>E41B</b>	<b>E42B</b>	<b>E43B</b>
3 medicinal plants	<b>E41C</b>	<b>E42C</b>	<b>E43C</b>
4 Maní de árbol	<b>E41D</b>	<b>E42D</b>	<b>E43D</b>
5 Seeds	<b>E41E</b>	<b>E42E</b>	<b>E43E</b>
6 rubber/Latex	<b>E41F</b>	<b>E42F</b>	<b>E43F</b>
7 Sangre de drago	<b>E41G</b>	<b>E42G</b>	<b>E43G</b>
8 Resin s	<b>E41H</b>	<b>E42H</b>	<b>E43H</b>
9 Fibers	<b>E41I</b>	<b>E42I</b>	<b>E43I</b>
10 mushroom/fungus	<b>E41J</b>	<b>E42J</b>	<b>E43J</b>
11 wild animals	<b>E41K</b>	<b>E42K</b>	<b>E43K</b>
12 fish	<b>E41L</b>	<b>E42L</b>	<b>E43L</b>

¿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)
13 Other _____	E41M	E43M	E44M

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)
<b>Fine?</b> <i>(i.e. caoba, cedro, mascarey, guayacan, canelo, mentolado, colorado manzano, sande colorado, chuncho, moral cubo, etc)</i>	E51A1	E52A1 E52A2 E52A3 E52A4 E52A5	E53A1 E53A2 E53A3 E53A4 E53A5	E54A1 E54A2 E54A3 E54A4 E54A5	E55A1 E55A2 E55A3 E55A4 E55A5	E56A1 E56A2 E56A3 E56A4 E56A5
<b>average?</b> <i>(I.e.. copal, laurel, canelo, jigua, sangre de gallina, coco)</i>	E51B1	E52B1 E52B2 E52B3 E52B4 E52B5	E53B1 E53B2 E53B3 E53B4 E53B5	E54B1 E54B2 E54B3 E54B4 E54B5	E55B1 E55B2 E55B3 E55B4 E55B5	E56B1 E56B2 E56B3 E56B4 E56B5
<b>Ordinary/low?</b> <i>(i.e., de encofrado, cauchillo, guarango, arabisco, pachaco, etc.)</i>	E51C1	E52C1 E52C2 E52C3 E52C4 E52C5	E53C1 E53C2 E53C3 E53C4 E53C5	E54C1 E54C2 E54C3 E54C4 E54C5	E55C1 E55C2 E55C3 E55C4 E55C5	E56C1 E56C2 E56C3 E56C4 E56C5

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

1.   E6\_1  \_\_\_\_\_

4.   E6\_4  \_\_\_\_\_

2.   E6\_2  \_\_\_\_\_

5.   E6\_5  \_\_\_\_\_

3.   E6\_3  \_\_\_\_\_

**F. FUTURE LAND USE**

Now, I would like to enquire about your plans for the farm in the near future.

1. What do you think you will do with the farm in the coming years?

Are you going to .....	(A) 1 Yes----> (b) 2 No (go to the next row)	(b) How will you do it? <i>(Indicate all that apply)</i>	(c) When? 1 1999 2 2000 3 DK
1.1 ...increase the area (# hectares) in <u>crops</u> ?	<b>F11A</b>	<b>F11B1</b> 1 convert forest to crops (clear more forest) <b>F11B2</b> 2 convert Pasture to crops <b>F11B3</b> 3 convert fallow to crops	<b>F11C1</b> <b>F11C2</b> <b>F11C3</b>
1.2 ...increase the area (# hectares) in <u>pasture</u> ?	<b>F12A</b>	<b>F12B1</b> 1 convert forest to crops (clear more forest) <b>F12B2</b> 2 convert Pasture to crops <b>F12B3</b> 3 convert fallow to crops	<b>F12C1</b> <b>F12C2</b> <b>F12C3</b>
1.3 ...leave fallow, or increase the area in <u>fallow</u> ?	<b>F13A</b>	<b>F13B1</b> 1 leave (increase area) fallow in areas of pasture <b>F13B2</b> 2 leave (increase area) fallow in areas of coffee <b>F13B3</b> 3 leave.increase fallow in areas of other crops	<b>F13C1</b> <b>F13C2</b> <b>F13C3</b>
1.4 ...introduce new crops?	<b>F14A</b>	1.4.1 What new crops? <b>F14B1</b> 1 maize <b>F14B2</b> 2 rice <b>F14B3</b> 3 other variety of coffee <b>F14B4</b> 4 palmito <b>F14B5</b> 5 naranjilla <b>F14B6</b> 6 introduce agroforestry system <b>F14B7</b> 7 other _____  1.4.2 Where and how will you do it? <b>F14B8</b> 1 in ares of current crops <b>F14B9</b> 2 in areas of pasture <b>F14B10</b> 3 in areas now forested or in fallow <b>F14B11</b> 4 other _____	<b>F14C1</b> <b>F14C2</b> <b>F14C3</b> <b>F14C4</b> <b>F14C5</b> <b>F14C6</b> <b>F14C7</b>  <b>F14C8</b> <b>F14C9</b> <b>F14C10</b> <b>F14C11</b>
1.5 ...sell the farm, or part of the farm?	<b>F15A</b>	1.5.1. How many hectares? <b>F151</b>	<b>F15C</b>

2. Do you think you will add more livestock (CATTLE) this year or next year? **F2** 0 No—>3  
1 Yes  
8 DK —>3

2.1 Why do you want to have more livestock? ( NOTE UP TO 2 most important)

**F21A F21B**

- 1 cattle are more profitable than crops
- 2 cattle area easier to care for/require less labor
- 3 there is more credit for livestock/cattle
- 4 there is more technical assistance for cattle
- 5 cattle are like money in the bank for emergencies
- 6 to provide milk for the family
- 7 Other: \_\_\_\_\_

3. Do you have areas in forest or regrowth that you plan to keep as forest (in the future)? 0 N —>6

F3

1 Yes  
8 DK →6

3.1 Which areas? **F31 F31A**  
 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? **F32 HA**

3.3 Why? **F33** \_\_\_\_\_

**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)  
**G1**

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?	<b>G11</b> 0 No----->2.0 1 Yes -----> 1.2		
1.2 What type of labor did you hire (note all that apply)	<b>G12A</b> 1 day hire	<b>G12B</b> 2 contract workers	
1.3 How much time of hired workers did you used in the past 12 months ?	<b>G13A</b> days	<b>G13B</b> days	
1.4 What work did they do for you mainly? (For each type of worker hired)	<b>G14A1</b> 1 clear forest <b>G14A2</b> 2 plant/ harvest ann.crops <b>G14A3</b> 3 plant/ harvesting coffee <b>G14A4</b> 4 weeding crops/pasture <b>G14A5</b> 5 extract wood/trunks <b>G14A6</b> 6 other _____	<b>G14B1</b> 1 clear forest <b>G14B2</b> 2 plant/ harvest ann.crops <b>G14B3</b> 3 plant/ harvesting coffee <b>G14B4</b> 4 weeding crops/pasture <b>G14B5</b> 5 extract wood/trunks <b>G14B6</b> 6 other _____	
1.5 How much did you pay? (on average) (If pay was by tasks/job, the estimate the time required)	___ <b>G15A</b> _____Suces/days <b>G15A1</b> 1 with food 2 without food	<b>G15B</b> _____Suces/day	
1.6 Where did the workers come from, mostly ? (Note all that apply)	<b>G16A</b> 1 farms near here 2 other parts of the Oriente 3 the Sierra 4 the Coast	<b>G16B</b> 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)? (Anotar todo que menciona)	<b>G17A</b> 1 relatives 2 known persons/acquaintances 3 unknown	<b>G17B</b> 1 relatives 2 known persons/acquaintances 3 unknown	



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 ?

**G4**

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 _____
		G42A	G43A	G44A	G45A	G46A	G47A G47A1	G48A	G49A	G410A
		G42B	G43B	G44B	G45B	G46B	G47B G47B1	G48B	G49B	G410B
		G42C	G43C	G44C	G45C	G46C	G47C G47C1	G48C	G49C	G410C
		G42D	G43D	G44D	G45D	G46D	G47D G47D1	G48D	G49D	G410D
		G42E	G43E	G44E	G45E	G46E	G47E G47E1	G48E	G49E	G410E
		G42F	G43F	G44F	G45F	G46F	G47F G47F1	G48F	G49F	G410F
		G42G	G43G	G44G	G45G	G46G	G47G G47G1	G48G	G49G	G410G
		G42H	G43H	G44H	G45H	G46H	G47H G47H1	G48H	G49H	G410H
		G42I	G43I	G44I	G45I	G46I	G47I G47I1	G48I	G49I	G410I
		G42J	G43J	G44J	G45J	G46J	G47J G47J1	G48J	G49J	G410J

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

**H.**

**INFORMATION & TECHNICAL ASSISTANCE**

1. 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]

<b><i>For interviews in the province of SUCUMBIOS</i></b>		
<b>Institution</b> <i>Have you heard of...</i> <i>(Read each line)</i>	<b>0 No</b> <b>1 Yes</b> <b>8 DK</b>	<b>Additional comments</b> <i>(Spontaneous)</i>
1.1 PROFORS	<b>H11A</b>	--
1.2 FUNDAFOR	<b>H12</b>	--
1.3 Fundación Forestal MANO VERDE	<b>H13</b>	--
1.4 FEPP	<b>H14</b>	--
1.5 Finca Demonstrativa APAFANO	<b>H15</b>	--
1.6 Other Demonstration Farm	<b>H16</b>	--
1.7 The Rocio Nursery	<b>H17</b> 1 yes 2 No →1.8 8 N/S →1.8	<b>1.7.1 What do you think of the variety there? H171</b> 1 good 2 Adequate 3 poor (little variety) 8 DK
1.8 "Machetes y Garabatos" (radio program)	<b>H18</b> 1 yes 2 No →2	<b>1.8.1 What do you think of the program? H181</b> 1 very useful 2 somewhat useful 3 not very useful 8 DK

<b><i>for interviews in the province of NAPO/ORELLANA</i></b>		
<b>Institution</b> <b>Have you heard of</b>  <b>(Read each line)</b>	<b>0 No (skip)</b> <b>1 Yes</b> <b>8 DK skip</b>	<b>additional comments</b>
1.1 FEPP	<b>HN11</b>	
1.2 INIAP - Payamino Experimental Farm	<b>HN12</b>	--
1.3 INIAP SAN CARLOS	<b>HN13</b>	--
1.4 "Voz del Upano" (Voice of the Upano) (radio program)	<b>HN14</b>  Yes →1.4.1	<b>1.4.1 What do you think of the program? HN141</b> 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)	H21A	H21B	H21C	H21D	H21E	H21F
2.2 Other perenials? (Palmito, Pepper) Which? _____ H22A1 _____	H22A	H22B	H22C	H22D	H22E	H22F
2.3 Cattle	H23A	H23B	H23C	H23D	H23E	H23F
2.4 African goats	H24A	H24B	H24C	H24D	H24E	H24F
2.5 Rice, Maize (annuals)	H25A	H25B	H25C	H25D	H25E	H25F
2.6 Reforestation	H26A	H26B	H26C	H26D	H26E	H26F
2.7 Agroforestry	H27A	H27B	H27C	H27D	H27E	H27F
2.8 Alternative crops (citrus, pimienta, etc.)	H28A	H28B	H28C	H28D	H28E	H28F
2.9 Comercialization of products	H29A	H29B	H29C	H29D	H29E	H29F
2.10 Fish pond management	H210A	H210B	H210C	H210D	H210E	H210F

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 <b>information</b> ; pamphlets, etc 4 Received <b>funds/credit</b> (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? **H3**

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

3.1 From which organization did you receive the incentive? \_\_\_\_\_ **H31**\_\_\_\_\_



- 3.2 In what year? 19 \_\_\_\_ **H32**
- 3.3 Have you continued caring for these plants? **H33** 0 No  
1 Yes ----->4
- 3.3.1 If “No”, why not? Explain \_\_\_\_\_ **H331**\_\_\_\_\_
4. Have you heard of “agroforestry systems”? **H4** 0 No —>5  
1 Yes  
8 DK / not sure---->5
- 4.1 Are there advantages to agroforestry systems on the farm? **H41** 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)
- H42A** 1 You have more fruit and wood on the farm  
**H42B** 2 Increase crop production  
**H42C** 3 Enrich the soil with (green) fertilizer  
**H42D** 4 Provide shade and protection for crops/livestock  
**H42E** 5 Other \_\_\_\_\_
5. Have you heard of “African goats”? **H5** 0 No ----->6  
1 Yes ->5.1  
8 DK/not sure—>6
- 5.1 Are there advantages to managing African goats? **H51** 0 No----->6  
1 Yes
- 5.2 What are the advantages of African goats?  
(DO NOT READ – NOTE ALL THAT ARE MENTIONED)
- H52A** 1 Good economic returns  
**H52B** 2 Don’t damage the soil/pasture  
**H52C** 3 Can be slaughtered at home to feed the family  
**H52D** 4 The meat tastes good  
**H52E** 5 They eat fodder that cattle don’t eat  
**H52F** 6 They reproduce faster than cattle  
**H52G** 7 Other \_\_\_\_\_
- 5.3 Would you like to have African goats on your farm? **H53** 0 No  
1 Yes
6. Do you know what “INEFAN” is? **H6** 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)
- H61A** 1 Control the harvest of wood  
**H61B** 2 Control forests and natural areas to ensure adequate management  
**H61C** 3 Prohibit the traffic in wild animals  
**H61D** 4 Prohibit the logging of trees  
**H61E** 5 Reforestation  
**H61F** 6 Protect the environment/protected areas  
**H61G** 7 Control illegal traffic in wood  
**H61H** 8 Other \_\_\_\_\_  
9 Not sure

7. Since you arrived in the Oriente, have you received credit or a loan from any source? **H7**

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? (Sucres)	How much do you still owe? (Sucres)  (If owe nothing, put 0)	How much do you pay per month? (sucres)  (If still owe nothing, put 0)
	<b>H7B1</b>	<b>H7C1</b>	<b>H7D1</b>	<b>H7E1</b>	<b>H7F1</b>	<b>H7G1</b>
	<b>H7B2</b>	<b>H7C2</b>	<b>H7D2</b>	<b>H7E2</b>	<b>H7F2</b>	<b>H7G2</b>
	<b>H7B3</b>	<b>H7C3</b>	<b>H7D3</b>	<b>H7E3</b>	<b>H7F3</b>	<b>H7G3</b>

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

8. Have you tried to get credit or a loan? **H8**

0 No ---->9  
 1 Yes

8.1 Did you have problems in procuring credit? **H81**

0 No---->9  
 1 Yes

8.2 What problems did you have? **H82**

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)

**H9A H9B H9C**

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 \_\_\_\_\_

**FILTROI1**

**I. Attitudes and Satisfaction**

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

**I1**

- 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? **I11A I11B**

*(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? **I12A I12B**

*(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? **I2**

- 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>
--	--

1. Rivers, wells	<b>I21A</b> 0 No 1 Yes ---->(column b)	<b>I22A1</b> 1 petroleum companies <b>I22A2</b> 2 floods <b>I22A3</b> 3 use of barbasco (or pesticides) for fishing <b>I22A4</b> 4 Pesticide/plaguicides from the farms <b>I22A5</b> 5 Other sources
2. Air	<b>I21B</b> 0 No 1 Yes ---->(b)	<b>I22B1</b> 1 petroleum companies <b>I22B2</b> 2 Other sources
3. Soil	<b>I21C</b> 0 No 1 Yes ---->(b)	<b>I22C1</b> 1 petroleum companies <b>I22C2</b> 2 pesticides, herbicides, etc. <b>I22C3</b> 3 Other sources
4. Other: ___ <b>I21D1</b> ___	<b>I21D</b> 0 No 1 Yes ---->(b)	why? _____

2.3 Any comments about contamination

**I23** \_\_\_\_\_

3. Do you think of moving from the farm in the future? **I3** 0 No -->4  
1 Yes  
8 DK ---->4

3.1 When are you thinking of moving? **I31**  
1 Within a year  
2 After a year  
8 N/S

3.2 Where are you thinking of moving?  
1 Provincia \_\_\_ **I32A** \_\_\_  
2 Canton \_\_\_ **I32B** \_\_\_  
8 N/S

3.3 The area is: **I33** 1 Country/rural  
2 City/urban

4. What will you do with the farm in the future when you can no longer work the land?

**I4 I4A**

1 keep working it (with hired labor)  
2 sell it  
3 rent it out  
4 leave it to my children  
5 leave it to other relatives  
6 Other \_\_\_\_\_

5. Has anyone offered to buy your farm at any time? **I5** 0 No----->6  
1 Yes

5.1 In what year was that? \_\_\_ **I51** \_\_\_

5.2 How much did they offer? \_\_\_ **I52** \_\_\_ sucres

5.3 Why did you not sell it? **I53**  
1 They did not offer what the farm is worth  
2 I don't want to sell it  
3 I am waiting for the price to rise  
4 I want to improve the house or farm before selling it



**Variables not listed above but in the dataset**

SOLAR  
CSOLAR  
MAKETIME  
MAKEYEAR  
MAKEMO  
MAKEDAY  
EDITYEAR  
EDITMO  
EDITDAY  
TIMESDED  
ECLERK  
VCLERK  
TIMESVER  
EERRORS  
VERRORS