

Appendix: Survey Instruments

| Schedule of Surveys 1997-1998 | | | | | | | | | | | | | | | |
|----------------------------------|-------|------|-----|------|-----|-----|------|------|------|------|------|------|------|------|-----|
| | round | | | | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| date started | 11/25 | 1/27 | 3/3 | 4/14 | 6/2 | 7/7 | 8/18 | 9/29 | 12/2 | 1/20 | 3/16 | 4/27 | 5/25 | 6/29 | 8/3 |
| HH roster | ■ | | | | | | ■ | | | | | | | | ■ |
| Soil test | ■ | | | | | | | | ■ | ■ | | | | | |
| Assets | ■ | | | | | | | | ■ | | | | | | ■ |
| Trading stocks | | ■ | | | | | | | | | | | | | |
| Output sales | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Sale from Spouse's Plot | | | | | | | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Plot activities | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Work on Spouse's Plot | | | | | | | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Lending | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Borrowing | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Farm Info I | | | ■ | | | | | | | | | | | | |
| Farm Info II | | | | | | ■ | | | | | | | | | |
| Learning | | | | | | | | | | ■ | | | | ■ | |
| Non-farm income | | | ■ | | | | ■ | | | | | | ■ | | |

| | | | | | |
|---------|-----|------------|------------|------|-------|
| Village | HHN | Respondent | Respond. # | Date | Round |
| | | | | | |

HOUSEHOLD ROSTER

HOUSEHOLD HEAD, FIRST SPOUSE AND ALL OF HER CHILDREN EVER BORN (INCLUDING CHILDREN LIVING ELSEWHERE)

| ID | Name | Sex | Age | Child of head? | HH member? | If no, where does s/he stay? | Schooling | | Occupation | Married? | Page and ID of spouse | Months Away in Last 12 | Correction by head |
|----------|------|-----|-----|----------------|------------|------------------------------|------------------------|-----------------------------|------------|----------|-----------------------|------------------------|--------------------|
| | | | | | | | Highest level attended | Highest grade in that level | | | | | |
| 0 Head | | | | | | | | | | | | | |
| 1 Spouse | | | | | | | | | | | | | |
| 2 Child | | | | | | | | | | | | | |
| 3 Child | | | | | | | | | | | | | |
| 4 Child | | | | | | | | | | | | | |
| 5 Child | | | | | | | | | | | | | |
| 6 Child | | | | | | | | | | | | | |
| 7 Child | | | | | | | | | | | | | |
| 8 Child | | | | | | | | | | | | | |
| 9 Child | | | | | | | | | | | | | |
| 10 Child | | | | | | | | | | | | | |
| 11 Child | | | | | | | | | | | | | |
| 12 Child | | | | | | | | | | | | | |

Marital Status

- 1 Married
- 2 Consensual union
- 3 Divorced
- 4 Separated
- 5 Widow
- 6 Never Married
- 7 NA (under 15 yrs)

Location

- 1 Daman/Ahweriase
- 2 Pokrom/Nsabaa
- 3 Oboadaka/Kwamekrom
- 4 Konkonuru
- 5 Aburi
- 6 Nsawam
- 7 Eastern region rural
- 8 Eastern region town
- 9 Accra

- 10 Other Urban
- 11 Other Rural
- 12 Not in Ghana

Level of School

- 0 None
- 1 Primary
- 2 Middle/JSS
- 3 SSS/Tech/Comm/training college

4 Post sec /

- Nursing/Poly
- 5 Higher
- Occupation
- 1 Farming
- 2 Teaching
- 3 Artisan
- 4 Office worker
- 5 Civil Servant
- 6 Agric labor

- 7 Health worker
- 8 Non-agric labor
- 9 Trading
- 10 Student/pupil
- 11 Unemployed
- 12 Not in labor force

HOUSEHOLD ROSTER

ADDITIONAL SPOUSE AND ALL OF HER CHILDREN EVER BORN (INCLUDING CHILDREN LIVING ELSEWHERE)

| Wife #2 | Name | Sex | Age | Child of head? | HH member? | If no, where does s/he stay? | Schooling | | Occupation | Married? | Page and ID of spouse | Months Away in Last 12 | Correction by head |
|----------|------|-----|-----|----------------|------------|------------------------------|------------------------|-----------------------------|------------|----------|-----------------------|------------------------|--------------------|
| | | | | | | | Highest level attended | Highest grade in that level | | | | | |
| 1 Spouse | | | | | | | | | | | | | |
| 2 Child | | | | | | | | | | | | | |
| 3 Child | | | | | | | | | | | | | |
| 4 Child | | | | | | | | | | | | | |
| 5 Child | | | | | | | | | | | | | |
| 6 Child | | | | | | | | | | | | | |
| 7 Child | | | | | | | | | | | | | |
| 8 Child | | | | | | | | | | | | | |
| 9 Child | | | | | | | | | | | | | |
| 10 Child | | | | | | | | | | | | | |
| 11 Child | | | | | | | | | | | | | |
| 12 Child | | | | | | | | | | | | | |
| 13 Child | | | | | | | | | | | | | |
| 14 Child | | | | | | | | | | | | | |
| 15 Child | | | | | | | | | | | | | |
| 16 Child | | | | | | | | | | | | | |

Marital Status

- 1 Married
- 2 Consensual union
- 3 Divorced
- 4 Separated
- 5 Widow
- 6 Never Married
- 7 NA (under 15 yrs)

Location

- 1 Daman/Ahweriase
- 2 Pokrom/Nsabaa
- 3 Oboadaka/Kwamekrom
- 4 Konkonuru
- 5 Aburi
- 6 Nsawam
- 7 Eastern region rural
- 8 Eastern region town
- 9 Accra

- 10 Other Urban
- 11 Other Rural
- 12 Not in Ghana

Level of School

- 0 None
- 1 Primary
- 2 Middle/JSS
- 3 SSS/Tech/Comm/training college

Post sec /

- 4 Nursing/Poly
- 5 Higher
- Occupation
- 1 Farming
- 2 Teaching
- 3 Artisan
- 4 Office worker
- 5 Civil Servant
- 6 Agric labor

- 7 Health worker
- 8 Non-agric labor
- 9 Trading
- 10 Student/pupil
- 11 Unemployed
- 12 Not in Labor Force

HOUSEHOLD ROSTER
ALL OTHER HOUSEHOLD MEMBERS

| ID code | Name | Sex | Age | Relation-ship to head | Relat-ionship to head's spouse | Years in house-hold | Schooling | | Occupation | Married? | Page and ID of spouse | Months Away in Last 12 | Corr-ection by head |
|---------|------|-----|-----|-----------------------|--------------------------------|---------------------|------------------------|-----------------------------|------------|----------|-----------------------|------------------------|---------------------|
| | | | | | | | Highest level attended | Highest grade in that level | | | | | |
| 1 | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | |

Relationship

- 1 Head
- 2 Wife
- 3 Child
- 4 Grandchild
- 5 Parent
- 6 Sibling
- 7 Nephew/Niece
- 8 Other family member
- 9 Househelp

10 Permanent worker

- 11 Friend

Marital Status

- 1 Married
- 2 Consensual union
- 3 Divorced
- 4 Separated
- 5 Widow
- 6 Never Married
- 7 NA (under 15 yrs)

Level of School

- 0 None
- 1 Primary
- 2 Middle/JSS
- 3 SSS/Tech/Comm/training college
- 4 P o s t s e c / Nursing/Poly
- 5 Higher

Occupation

- 1 Farming
- 2 Teaching
- 3 Artisan
- 4 Office worker
- 5 Civil Servant
- 6 Agric labor
- 7 Health worker
- 8 Non-agric labor
- 9 Trading

10 Student/pupil

- 11 Unemployed
- 12 Not in labor force

| Village | HHN | Respondent | Resp. # | Date | Round |
|---------|-----|------------|---------|------|-------|
| | | | | | |

Soil Testing:

I. One questionnaire to be filled for each plot cultivated by a sample respondent. Collect the soil sample by mixing five scoops of soil in the bucket, then sealing 3 or 4 scoops in the bag. Label the bag with the HHN, Resp. #, and plot number.

Plot number: _____

Description:

A. For currently cultivated or recently harvested plots, or plots being prepared for cultivation:

Number of years since last fallowed: _____

| Crop | Stage | Proportion of plot | Date planted or harvested | Enumerator Notes |
|------|-------|--------------------|---------------------------|------------------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |

B. For Fallow Land:

Number of years fallowed: _____

Crops:

- 1 Cassava
- 2 Maize
- 3 Plantain
- 4 Cocoyam
- 5 Yam
- 6 Pineapple
- 7 Tomato

- 8 Garden egg
- 9 Okro
- 10 Pepper
- 11 Orange
- 12 Banana
- 13 Avocado
- 14 Oil Palm

- 15 Cocoa
- 16 Sugar Cane
- 17 Bean
- 18 Water yam

Stage:

- 1 Cleared
- 2 Burned
- 3 Just planted
- 4 Germinated
- 5 Headed
- 6 Mature
- 7 Harvested

II. Please tell me about any unusual and unexpected events that have occurred on this plot in the past month.

| Event | Crops affected | Proportion of plot | severity | Response |
|-------|----------------|--------------------|----------|----------|
| | | | | |
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Specific Event:

- 1 Drought
- 2 Too Much Rain
- 3 Erosion
- 4 Wilt (from drought)
- 5 Wilt (mealy bug)
- 6 Akyeampong
- 7 Spear Grass
- 8 Hyia meonum
- 9 Rawlings
- 10 Bush Fire
- 11 Theft
- 12 Animal problem
- 13 Pests (specify)

Crops:

- 1 Cassava
- 2 Maize
- 3 Plantain
- 4 Cocoyam
- 5 Yam
- 6 Pineapple
- 7 Tomato
- 8 Garden egg
- 9 Okro
- 10 Pepper
- 11 Orange
- 12 Banana
- 13 Avocado
- 14 Oil Palm
- 15 Cocoa
- 16 Sugar Cane
- 17 Bean
- 18 Water yam

Severity:

- 1 Minor
- 2 Noticable loss
- 3 Significant loss
- 4 Major loss
- 5 Total Crop Failure

Response:

- 0 None
- 1 Replant
- 2 Increased weeding
- 3 Specific chemicals
- 4 Hand picking
- 5 Stop cultivating
- 6 Can watering
- 7 Pump irrigation
- 8 Manure

| Village | HHN | Respondent | Resp. # | Date | Round |
|---------|-----|------------|---------|------|-------|
| | | | | | |

Asset Holdings

I. A. I would like to ask your own stores of food and farm output:

| Food/crop | Unit | Quantity | Value | When stored? | How Treated? | Is this yours, your spouses', or joint? |
|-----------|------|----------|-------|--------------|--------------|---|
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
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B. I would like to ask your own stores of seeds and planting material:

| Seed | Unit | Quantity | Value | When stored? | How Treated? |
|------|------|----------|-------|--------------|--------------|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
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- | | | |
|--------------------|-----------------|--------------------|
| <u>Crops/Food:</u> | <u>Unit:</u> | 20 Marg. tin |
| 1 Cassava | 1 Pounds | |
| 2 Maize | 2 Kilos | |
| 3 Plantain | 3 Metric Tonnes | <u>How Treated</u> |
| 4 Cocoyam | 4 Minibag | 1 None/Dried |
| 5 Yam | 5 Maxibag | 2 Smoke |
| 6 Pineapple | 6 Liter | 3 Dusban |
| 7 Tomato | 7 Gallon | 4 Other |
| 8 Garden egg | 8 Beer bottle | Chemical |
| 9 Okro | 9 Hundred | (Specify) |
| 10 Pepper | 10 Fruits | |
| 11 Oranges | 11Olonka | |
| 12 Banana | 12 Basket | |
| 13 Avocado | 13 Bowl | |
| 14 Oil Palm | 14 Bunch | |
| 15 Cocoa | 15 Sucker | |
| 16 Sugar Cane | 16 Kerosine tin | |
| 17 Bean | 17 Rope | |
| 18 Groundnut | 18 Headload | |
| | 19 Tomato tin | |

C. I would like to ask about your own stores of farm chemicals:

| Chemical | Unit | Quantity | Value |
|----------|------|----------|-------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

D. I would like to ask you about your own farm equipment, machines, motor vehicles or other equipment (e.g., chain saw, gun):

| Equipment | Quantity | Age | Condition | Total current Value |
|-----------|----------|-----|-----------|---------------------|
| | | | | |
| | | | | |
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| | | | | |

E. I would like to ask you about any equipment you ow for your businesses outside of farming (for example distilling equipment, a car, sewing machine, cooking utensils, grinding mill, carpentry tools)

| Equipment | Quantity | Age | Condition | Total Current Value |
|-----------|----------|-----|-----------|---------------------|
| | | | | |
| | | | | |
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F. I would like to ask you about any goods you have to trade at this moment:

| Goods | Quantity | Units | Value |
|-------|----------|-------|-------|
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- | | | |
|--|---|---|
| <p><u>Chemicals:</u></p> <ul style="list-style-type: none"> 1 Karate 2 Acellic 3 Dusban 4 Cymbush 5 Cymethoate 6 Sumithion 7 Furadan 8 Diazinon 11 Biobit 12 Dipel 2x 13 Of-nak 21 Atrazine 22 Hyvar X 23 Diuron 24 Gramoxone 25 Fusilad 26 Roundup 27 Basta 31 Cocide 32 Champion 33 Topsin M 34 Bavistin 35 Alielte | <ul style="list-style-type: none"> 41 NPK 15-15-15 42 NPK 23-15-5 43 NPKMg 11-5-27-5 44 Ammonia 45 Urea 46 Lobi 44 47 Grofol (NPK) 48 K Fol (Potash) 49 Wuxal 51 Carbide 52 Biozyme 53 Almephon <u>Unit:</u> 1 Pounds 2 Kilos 3 Tons 4 Minibag 5 Maxibag 6 Liter 7 Gallon 8 Beer bottle | <ul style="list-style-type: none"> 9 Hundred 10 Fruits 11 American tin 12 Basket 13 Bowl 14 Bunch 15 Sucker 16 Kerosine tin 17 Rope 18 Headload 19 Tomato tin <u>Condition:</u> 1 Like new 2 Good 3 Average 4 Poor 5 Not working |
|--|---|---|

II. Livestock:

Please tell me about the animals that you own:

| | | Number | Price of each if sold today | Shared? (If yes, enter Roster #) | How Shared? |
|---------------|---------------|--------|-----------------------------|----------------------------------|-------------|
| Goats | Male | | | | |
| | Female | | | | |
| | Calves-Male | | | | |
| | Calves-Female | | | | |
| Sheep | Male | | | | |
| | Female | | | | |
| | Calves-Male | | | | |
| | Calves-Female | | | | |
| Pig | Male | | | | |
| | Female | | | | |
| | Piglets | | | | |
| Chickens | Layers | | | | |
| | Broilers | | | | |
| Guinea Fowl | | | | | |
| Other Poultry | | | | | |
| Rabbits | | | | | |
| Other: | | | | | |

Relationship:

- | | | |
|-----------------|------------------------------|-----------------|
| 1 Self | 12 Sister | 22 Cooperative |
| 2 Spouse | 13 Wofa | 23 NGO |
| 3 Son | 14 Uncle | 24 Exporter |
| 4 Daughter | 15 Aunt | 25 Village head |
| 5 Father | 16 Co-wife | 26 Lineage head |
| 6 Mother | 17 Cousin (m/f) | 27 Priest |
| 7 Grandson | 18 Local friend (m/f) | 28 Trader (m/f) |
| 8 Granddaughter | 19 Non-resident friend (m/f) | |
| 9 Grandfather | 20 Extension Agent (m/f) | |
| 10 Grandmother | | |
| 11 Brother | 21 Market | |

III. Financial Saving:

A. Do you use a susu collector? Y/N [If no, go to B]

| Frequency | Deposit Amount | Accumulated Savings | Collection Date | Relationship to collector |
|-----------|----------------|---------------------|-----------------|---------------------------|
| | | | | |
| | | | | |
| | | | | |

B. Are you a member of an esusu group? Y/N [If no, go to C]

| Frequency | Deposit Amount | Pot size | Collection date | Relationship with group leader |
|-----------|----------------|----------|-----------------|--------------------------------|
| | | | | |
| | | | | |
| | | | | |

C. Are you holding money for anyone? Y/N [If no, go to D]

| Relationship | Location | Amount | Since when |
|--------------|----------|--------|------------|
| | | | |
| | | | |
| | | | |

D. Is anyone holding any money for you? Y/N [If no, go to E]

| Relationship | Location | Amount | Since when |
|--------------|----------|--------|------------|
| | | | |
| | | | |
| | | | |

Relationship:

- | | |
|-----------------|------------------------------|
| 1 Self | 16 Co-wife |
| 2 Spouse | 17 Cousin (m/f) |
| 3 Son | 18 Local friend (m/f) |
| 4 Daughter | 19 Non-resident friend (m/f) |
| 5 Father | 20 Extension Agent (m/f) |
| 6 Mother | 21 Market |
| 7 Grandson | 22 Cooperative |
| 8 Granddaughter | 23 NGO |
| 9 Grandfather | 24 Exporter |
| 10 Grandmother | 25 Village head |
| 11 Brother | 26 Lineage head |
| 12 Sister | 27 Priest |
| 13 Wofa | 28 Trader (m/f) |
| 14 Uncle | |
| 15 Aunt | |

E. Do you have any deposits in a bank? Y/N [If no, go to F]

| Location | Type of Account | Balance |
|----------|-----------------|---------|
| | | |
| | | |
| | | |

F. Do you have any bonds, stock or other financial asset? Y/N [If no, go to G]

Use this space to record details (cost of bond, maturity date, face value, or company and number of shares):

G. Do you currently receive, or do you anticipate receiving, a pension? Y/N

Source:

Year started receiving/expect to start receiving:

Current monthly amount: or anticipated monthly amount:

H. Could you tell us the approximate current value of your jewelry, if any? _____

I. Could you tell us the approximate current value of your cloth, if any? _____

J. [At this point, reiterate the confidential nature of the interview!]

Could you tell us how much cash you have now? _____

In addition to these cedis, do you have any foreign currency? _____

If yes, how much _____

K In the past 12 months, have you spent anything on building

| | period | Amount spent | Was this amount included in "home repair" expenditures when I asked last time? |
|----------------------------|--------|--------------|--|
| A building in this town | | | Y / N |
| A building in another town | | | Y / N |

| Village | HHN | Respondent | Resp. # | Date | Round |
|---------|-----|------------|---------|------|-------|
| | | | | | |

Sale of Farm Output

Since our last interview, did you sell, or make a contract to sell in the future, anything produced on any of your farms? Y/N

1. Crop Sold: _____
2. Unit: _____ Quantity: _____ Total Value: _____
3. Plot from which it was harvested: _____
4. When was it harvested? _____
5. Sold to whom?: _____
6. Who will harvest, or pay for harvesting these crops? _____
7. Have you given her all the crops? Y/N
IF NO: How much remains to be given? _____
What month will you give them to her? _____
8. Have you been completely paid? Y/N
IF NO: How much remains to be paid? _____
What month will you be paid? _____
9. If the crop sold was pineapple, please tell me the price per kilo: _____
and number of kilos sold: _____
10. How much of the amount in question 2 (**your sale**) did you give to your spouse?

11. Please give me an estimate of the amount that your spouse has received for the sale of all farm output from **his/her farms** since our last interview: _____
How much of this amount has he/she given you _____

Crops:

- 1 Cassava
- 2 Maize
- 3 Plantain
- 4 Cocoyam
- 5 Yam
- 6 Pineapple
- 7 Tomato
- 8 Garden egg
- 9 Okro
- 10 Pepper
- 11 Oranges
- 12 Banana
- 13 Avocado
- 14 Oil Palm
- 15 Cocoa
- 16 Sugar Cane
- 17 Bean
- 18 Groundnut

8 Beer bottle

- 9 Hundred
- 10 Fruits
- 11 American tin (olonka)
- 12 Basket
- 13 Bowl
- 14 Bunch
- 15 Sucker
- 16 Kerosine tin
- 17 Rope

Relationship:

- 1 Self
- 2 Spouse
- 3 Son
- 4 Daughter
- 5 Father
- 6 Mother
- 7 Grandson
- 8 Granddaughter
- 9 Grandfather
- 10 Grandmother
- 11 Brother
- 12 Sister
- 13 Wofa14 Uncle
- 15 Aunt
- 16 Co-wife
- 17 Cousin (m/f)

18 Local friend (m/f)

- 19 Non-resident friend (m/f)
- 20 Extension Agent (m/f)
- 21 Market
- 22 Cooperative
- 23 NGO
- 24 Exporter
- 25 Village head
- 26 Lineage head
- 27 Priest
- 28 Trader (m/f)

Unit:

- 1 Pounds
- 2 Kilos
- 3 Tons
- 4 Minibag
- 5 Maxibag
- 6 Liter
- 7 Gallon

| Village | HHN | Respondent | Resp. # | Date | Round |
|---------|-----|------------|---------|------|-------|
| | | | | | |

SALE OF FARM OUTPUT CONTINUATION (One form to be filled for each outstanding sale)

[Bring out the sale form completed in earlier round. Remind the respondent of the sale in question]

- Since our last interview, has any of the crop been harvested? Y/N
IF YES: Who harvested, or paid for harvesting these crops? _____
- Since our last interview, has she taken any more of these crops? Y/N
IF YES: How much has she taken since our last interview?
Unit: _____ Quantity: _____ Value: _____
- Have you now given her all the crops that you agreed to give her? Y/N
IF NO: How much remains to be given? _____
When will you give them to her? _____
- Since our last interview, has she paid any more for these crops? Y/N
IF YES: How much has she paid since our last interview? _____
- Have you now been completely paid? Y/N
IF NO: How much remains to be paid? _____
When will you be paid? _____

9. If the crop sold was pineapple, please provide information on the sizes and price per kilo of each size of the pineapple sold:

| Size | Price per kilo | Kilos sold |
|------|----------------|------------|
| | | |
| | | |
| | | |

- Unit:
- | | |
|--------------------------|------------------------------|
| 1 Pounds | 12 Sister |
| 2 Kilos | 13 Wofa |
| 3 Tons | 14 Uncle |
| 4 Minibag | 15 Aunt |
| 5 Maxibag | 16 Co-wife |
| 6 Liter | 17 Cousin (m/f) |
| 7 Gallon | 18 Local Friend (m/f) |
| 8 Beer bottle | 19 Non-resident friend (m/f) |
| 9 Hundred | 20 Extension Agent |
| 10 Fruits | 21 Market |
| 11 American tin (olonka) | 22 Cooperative |
| 12 Basket | 23 NGO |
| 13 Bowl | 24 Exporter |
| 14 Bunch | 25 Village head |
| 15 Sucker | 26 Lineage head |
| 16 Kerosine tin | 27 Priest |
| 17 Rope | 28 Trader (m/f) |

Relationship:

- Self
- Spouse
- Son
- Daughter
- Father
- Mother
- Grandson
- Granddaughter
- Grandfather
- Grandmother
- Brother

| Village | HHN | Respondent | Resp. # | Date | Round |
|---------|-----|------------|---------|------|-------|
| | | | | | |

Sale of Farm Output from Spouse's Farm

Since our last interview, did you sell, or make a contract to sell in the future, anything produced on any of your spouse's farms (farms listed in the spouses plot list)? Y/N

1. Crop Sold: _____
2. Unit: _____ Quantity: _____ Total Value: _____
3. Plot from which it was harvested: _____ (**use spouse's plot number**)
Spouse's ID _____
4. Sold to whom?: _____
5. When harvested? _____
6. Who will harvest, or pay for harvesting these crops? _____
7. Have you given her all the crops? Y/N
IF NO: How much remains to be given? _____
What month will you give them to her? _____
8. Have you been completely paid? Y/N
IF NO: How much remains to be paid? _____
What month will you be paid? _____
9. If the crop sold was pineapple, please tell me the price per kilo: _____
and number of kilos sold: _____
10. How much of the total amount did you give to your spouse?: _____

| | | |
|---------------|--------------------------|------------------------------|
| <u>Crops:</u> | 7 Gallon | 16 Co-wife |
| 1 Cassava | 8 Beer bottle | 17 Cousin (m/f) |
| 2 Maize | 9 Hundred | 18 Local friend (m/f) |
| 3 Plantain | 10 Fruits | 19 Non-resident friend (m/f) |
| 4 Cocoyam | 11 American tin (olonka) | 20 Extension Agent (m/f) |
| 5 Yam | 12 Basket | 21 Market |
| 6 Pineapple | 13 Bowl | 22 Cooperative |
| 7 Tomato | 14 Bunch | 23 NGO |
| 8 Garden egg | 15 Sucker | 24 Exporter |
| 9 Okro | 16 Kerosine tin | 25 Village head |
| 10 Pepper | 17 Rope | 26 Lineage head |
| 11 Oranges | <u>Relationship:</u> | 27 Priest |
| 12 Banana | 1 Self | 28 Trader (m/f) |
| 13 Avocado | 2 Spouse | |
| 14 Oil Palm | 3 Son | |
| 15 Cocoa | 4 Daughter | |
| 16 Sugar Cane | 5 Father | |
| 17 Bean | 6 Mother | |
| 18 Groundnut | 7 Grandson | |
| | 8 Granddaughter | |
| <u>Unit:</u> | 9 Grandfather | |
| 1 Pounds | 10 Grandmother | |
| 2 Kilos | 11 Brother | |
| 3 Tons | 12 Sister | |
| 4 Minibag | 13 Wofa | |
| 5 Maxibag | 14 Uncle | |
| 6 Liter | 15 Aunt | |

| Village | HHN | Respondent | Resp. # | Date | Round |
|---------|-----|------------|---------|------|-------|
| | | | | | |

SALE OF FARM OUTPUT FROM SPOUSE CONTINUATION (One form to be filled for each outstanding sale)
 [Bring out the sale form completed in earlier round. Remind the respondent of the sale in question]

1. Since our last interview, has any of the crop been harvested? Y/N
IF YES: Who harvested, or paid for harvesting these crops? _____
2. Since our last interview, has she taken any more of these crops? Y/N
IF YES: How much has she taken since our last interview?
 Unit: _____ Quantity: _____ Value: _____
3. Have you now given her all the crops that you agreed to give her? Y/N
IF NO: How much remains to be given? _____
 When will you give them to her? _____
4. Since our last interview, has she paid any more for these crops? Y/N
IF YES: How much has she paid since our last interview? _____
5. Have you now been completely paid? Y/N
IF NO: How much remains to be paid? _____
 When will you be paid? _____
6. Have you given any more of the money from the sale to your spouse? Y/N
 Amount _____

- Unit:
- | | |
|--------------------------|-----------------------|
| 1 Pounds | 8 Granddaughter |
| 2 Kilos | 9 Grandfather |
| 3 Tons | 10 Grandmother |
| 4 Minibag | 11 Brother |
| 5 Maxibag | 12 Sister |
| 6 Liter | 13 Wofa |
| 7 Gallon | 14 Uncle |
| 8 Beer bottle | 15 Aunt |
| 9 Hundred | 16 Co-wife |
| 10 Fruits | 17 Cousin (m/f) |
| 11 American tin (olonka) | 18 Local Friend (m/f) |
| 12 Basket | 19 Non-resident |
| 13 Bowl | friend (m/f) |
| 14 Bunch | 20 Extension |
| 15 Sucker | Agent |
| 16 Kerosine tin | 21 Market |
| 17 Rope | 22 Cooperative |
| | 23 NGO |
| | 24 Exporter |
| | 25 Village head |
| | 26 Lineage head |
| | 27 Priest |
| | 28 Trader (m/f) |
- Relationship:
- 1 Self
 - 2 Spouse
 - 3 Son
 - 4 Daughter
 - 5 Father
 - 6 Mother
 - 7 Grandson

| | | | | | | |
|---------|-----|------------|------|-------|------------|-------------|
| Village | HHN | Respondent | Date | Round | Individual | Plot Number |
| | | | | | | |

(If this is a new or previously unreported plot, provide a description so that it can be mapped)

CURRENT PLOT ACTIVITIES

One questionnaire to be filled for each activity for each plot cultivated by a sample respondent.

Since our last interview, have you done any of the following on this plot:

| | | | |
|---------------|------------------------|-------------------|---------------------|
| Clearing | Burning | Cleaning | Planting |
| Transplanting | Replanting | Thinning | Weeding |
| Fertilizing | Spraying | Watering | H a r v e s t i n g |
| Firewood | | | |
| Fencing | Collect Residue | Transport Residue | Transport Output |
| Suckers | Other (specify): _____ | Visiting/Checking | Making beds |
| | | | Collecting |

What crops were involved? _____

| Labor Used for the Task (enter relationship code) | # of workers | # of days worked | Hours Worked: | | Total cash pay | # of meals | Total kind pay | Contract type |
|--|--------------|------------------|---------------|----------|----------------|------------|----------------|---------------|
| | | | per day | or total | | | | |
| Self | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| No relationship | | | | | | | | |

Non-Labour Inputs used:

| Type | Units | Quantity | Total Value | Source | How obtained? |
|------|-------|----------|-------------|--------|---------------|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Harvest:

| Crop | Units | Quantity | Total value | What happened to it? |
|------|-------|----------|-------------|----------------------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Payments: Since our last interview, have you given the owner, the family heads, or anyone else anything else on account of this land? Y/N
 If yes, what did you give (value)? _____
 Who did you give it to? _____

Codes for Current Plot Activities Questionnaire

| | | | |
|-------------------------------|-------------------------------|--------------------------|------------------------------------|
| <u>Contract Type:</u> | <u>Crops:</u> | <u>Non-Labor Inputs:</u> | Others |
| 1 By-day | 1 Cassava | Insecticides/Pesticides | 51 Carbide (for forcing Pineapple) |
| 2 Piece rate | 2 Maize | 1 Karate | 52 Biozyme TF (flowering) |
| 3 Cooperative | 3 Plantain | 2 Acellic | 53 Almephon (degreening) |
| 4 Hourly wage | 4 Cocoyam | 3 Dusban | |
| 5 Permanent worker | 5 Yam | 4 Cymbush | 80 Sprayer |
| 6 Caretaker | 6 Pineapple | 5 Cymethoate | 81 Tractor plowing |
| 7 Provided by trader/exporter | 7 Tomato | 6 Sumithion | |
| | 8 Garden egg | 7 Furadan | |
| | 9 Okro | 8 Diazinon | |
| | 10 Pepper | | |
| <u>Relationship/Source:</u> | 11 Oranges | Biological Control | |
| 1 Self | 12 Banana | 11 Biobit | <u>What happened to it</u> |
| 2 Spouse | 13 Avocado | 12 Dipel 2x | 1 consumed/ate it |
| 3 Son | 14 Oil Palm | 13 Of-nak | 2 sold |
| 4 Daughter | 15 Cocoa | | 3 left on farm |
| 5 Father | 16 Sugar Cane | Herbicides | 4 stored |
| 6 Mother | 17 Bean | 21 Atrazine | 5 processed |
| 7 Grandson | 18 Groundnut | 22 Hyvar X | 6 planted |
| 8 Granddaughter | | 23 Diuron | 7 given to landlord |
| 9 Grandfather | <u>Unit:</u> | 24 Gramoxone | |
| 10 Grandmother | 1 Pounds | 25 Fusilade Super | |
| 11 Brother | 2 Kilos | 26 Roundup | |
| 12 Sister | 3 Tons | 27 Basta | |
| 13 Wofa | 4 Minibag | | |
| 14 Uncle | 5 Maxibag | Fungicides | |
| 15 Aunt | 6 Liter | 31 Cocide | |
| 16 Co-wife | 7 Gallon | 32 Champion | |
| 17 Cousin | 8 Beer bottle | 33 Topsin M | |
| 18 Local Friend m/f | 9 Hundred | 34 Bavistin | |
| 19 Non-resident friend m/f | 10 Fruits | 35 Alielte | |
| 20 Extension Agent m/f | 11 American tin (olonka) | | |
| 21 Market | 12 Basket | Fertilizer | |
| 22 Cooperative | 13 Bowl | 41 NPK 15-15-15 | |
| 23 NGO | 14 Bunch | 42 NPK 23-15-5 | |
| 24 Exporter | 15 Sucker | 43 NPKMg 11-5-27-5 | |
| 25 Village head | 16 Kerosine tin | 44 Ammonia | |
| 26 Lineage head | 17 Rope | 45 Urea | |
| 27 Priest | 18 Headload | 46 Lobi 44 (Urea) | |
| 28 Trader m/f | 19 Tomato tin | 47 Grofol (NPK) | |
| | | 48 K Fol (Potash) | |
| | <u>How obtained?</u> | 49 Wuxal | |
| | 1 Purchased | | |
| | 2 Exchanged | | |
| | 3 Gift | | |
| | 4 Provided by trader/exporter | | |
| | 5 Rented | | |

| Village | HHN | Respondent | Resp. # | Date | Round |
|---------|-----|------------|---------|------|-------|
| | | | | | |

Joint/Spouse Farm Questionnaire

Fill this questionnaire if the respondent has worked on a joint farm or a spouses farm since you last spoke.

Spouse's Farms

Fill this part for any harvest

| Plot # (from spouses plot list) | Task | # of days | hours | | Spouse present | Crop harvested | Units | Quantity | Value | What happened? |
|------------------------------------|------|-----------|---------|-------|----------------|----------------|-------|----------|-------|----------------|
| | | | per day | total | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
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| | | | | | | | | | | |

Spouse

- 1 Clearing
- 2 Burning
- 3 Cleaning
- 4 Planting
- 5 Transplanting
- 6 Replanting
- 7 Thinning
- 8 Weeding
- 9 Fertilizing
- 10 Spraying
- 11 Watering
- 12 Harvesting
- 13 Firewood
- 14 Fencing
- 15 Collect Residue
- 16 Transport Residue
- 17 Transport Output
- 18 Visiting/Checking
- 19 Making beds
- 20 Collecting Suckers

- What happened codes
- 1 consumed
 - 2 sold
 - 3 left on farm
 - 4 stored
 - 5 processed
 - 6 planted it
 - 7 given to spouse

| Village | HHN | Respondent | Resp. # | Date | Round |
|---------|-----|------------|---------|------|-------|
| | | | | | |

LENDING (One form to be filled for **each** loan)

- Since our last interview, have you given anyone any loans that have not yet been repaid? This could include money, food, or goods, but not land. Y/N [If no, END]
- What did you lend? Cash (enter amount) _____
Goods (enter items) _____ Value _____
- When did you make the loan? _____
- Who did you make the loan to? name (the name is optional) _____
residence _____ relationship _____
- Was there a witness to the loan? Y/N If yes, relationship to witness _____
- What will he use the loan for? Purpose _____
- When do you expect the loan to be repaid? _____
- How much will he repay? cash _____ or Interest rate _____
or Goods (enter items) _____ Value _____
- Did the borrower provide any collateral? Y/N If Yes, write details here:

Spouse

Who is using the collateral now? Lender or Borrower

Relationship

- Self
- Spouse
- Son
- Daughter
- Father
- Mother
- Grandson
- Granddaughter
- Grandfather
- Grandmother
- Brother
- Sister
- Wofa
- Uncle
- Aunt
- Co-wife
- Cousin
- Local Friend

22 Cooperative

- NGO
- Exporter
- Village head
- Lineage head
- Priest
- Trader

3 Consumption

- Trading
- Other business
- Travel
- Funeral
- Other Ceremony
- School fees

Residence

- Daman/Ahweriase
- Pokrom/Nsabaa
- Oboadaka/ Kwamekrom
- Konkonuru
- Aburi
- Nsawam
- Eastern region rural
- Eastern region town
- Accra
- Other Urban
- Other Rural
- Not in Ghana

Purpose

- Farming
- Medical

- Non-resident friend
- Extension Agent
- Market

| Village | HHN | Respondent | Resp. # | Date | Round |
|---------|-----|------------|---------|------|-------|
| | | | | | |

LENDING CONTINUATION (One form to be filled for each outstanding loan)

[Bring out the loan form completed in earlier round. Remind the respondent of the loan in question]

Ask questions 1-4 of all respondents.

- Since our last interview, did the borrower give you any repayments, or any gifts in thanks for this loan? Y/N **If yes, what did he give you?** Cash _____
Goods (enter items) _____ Value _____
 - Since our last interview, did you give him any further installments of money or goods that are part of this loan? Y/N **If yes, what did you give him?** Cash _____
Goods (enter items) _____ Value _____
 - Do you expect to receive anything from the borrower in the future on account of this loan? Y/N **If Yes: what do you expect to receive?** _____
When do you expect to receive it? _____
 - Do you consider this loan to be fully repaid? Y/N
If No: Have you taken any action to attempt to repay? Describe the action:
- If the answer to 3 is No, ask questions 5 and 6.**
- Would you lend to this borrower again, if he requests a loan? Y/N
 - Has the borrower experienced any unexpected problems on his farm or in his family since you gave him this loan? Y/N **If yes, what was the problem and when did it occur?**

Relationship

- 1 Self
- 2 Spouse
- 3 Son
- 4 Daughter
- 5 Father
- 6 Mother
- 7 Grandson
- 8 Granddaughter
- 9 Grandfather
- 10 Grandmother
- 11 Brother
- 12 Sister
- 13 Wofa
- 14 Uncle
- 15 Aunt
- 16 Co-wife
- 17 Cousin
- 18 Local Friend
- 19 Non-resident friend
- 20 Extension Agent
- 21 Market
- 22 Cooperative
- 23 NGO
- 24 Exporter
- 25 Village head

26 Lineage head

27 Priest

28 Trader

Residence

- 1 Daman/Ahweriase
- 2 Pokrom/Nsabaa
- 3 Oboadaka/ Kwamekrom
- 4 Konkonuru
- 5 Aburi
- 6 Nsawam
- 7 Eastern region rural
- 8 Eastern region town
- 9 Accra
- 10 Other Urban
- 11 Other Rural
- 12 Not in Ghana

Action

- 1 Requested payment from borrower
- 2 Discussed the issue with borrower's relatives
- 3 Discussed the issue with (relationship code)
- 4 Kept collateral
- 5 Taken collateral

| Village | HHN | Respondent | Resp. # | Date | Round |
|---------|-----|------------|---------|------|-------|
| | | | | | |

BORROWING (One form to be filled for **each** loan)

- Since our last interview, have you received any loans that you have not yet repaid? This could include money, food, or goods, but not land. Y/N [If no, END]
- What did you borrow? Cash (enter amount) _____
Goods (enter items) _____ Value _____
- When did you get the loan? _____
- Who did you borrow from? name (the name is optional) _____
residence _____ relationship _____
- Was there a witness to the loan? Y/N If yes, relationship to witness _____
- What will you use the loan for? Purpose _____
- When do you expect to repay the loan? _____
- How much will you repay? cash _____ or Interest rate _____
or Goods (enter items) _____ Value _____
- Did you provide any collateral? Y/N If Yes, write details here:

| Who is using the collateral now? | Lender or | Borrower |
|----------------------------------|------------------------|------------------|
| <u>Relationship</u> | 20 Extension | 12 Not in Ghana |
| 1 Self | Agent | <u>Purpose</u> |
| 2 Spouse | 21 Market | 1 Farming |
| 3 Son | 22 Cooperative | 2 Medical |
| 4 Daughter | 23 NGO | 3 Consumption |
| 5 Father | 24 Exporter | 4 Trading |
| 6 Mother | 25 Village head | 5 Other business |
| 7 Grandson | 26 Lineage head | 6 Travel |
| 8 Granddaughter | 27 Priest | 7 Funeral |
| 9 Grandfather | 28 Trader | 8 Other Ceremony |
| 10 Grandmother | <u>Residence</u> | 9 School fees |
| 11 Brother | 1 Daman/Ahweriase | |
| 12 Sister | 2 Pokrom/Nsabaa | |
| 13 WBfa | 3 Oboadaka/ Kwamekrom | |
| 14 Uncle | 4 Konkonuru | |
| 15 Aunt | 5 Aburi | |
| 16 Co-wife | 6 Nsawam | |
| 17 Cousin | 7 Eastern region rural | |
| 18 Local Friend | 8 Eastern region town | |
| | 9 Accra | |
| 19 Non-resident friend | 10 Other Urban | |
| | 11 Other Rural | |

| Village | HHN | Respondent | Resp. # | Date | Round |
|---------|-----|------------|---------|------|-------|
| | | | | | |

BORROWING CONTINUATION (One form to be filled for each outstanding loan)

[Bring out the loan form completed in earlier round. Remind the respondent of the loan in question]

NOTE the new format, please ask questions 1-5 on all continuations

- Since our last interview, did you give the lender any repayments, or any gifts in thanks for the loan? Y/N If yes, what
 did you give him? Cash _____
 Goods (enter items) _____ Value _____
- Since our last interview, did he give you any further installments of money or goods that are part of this loan? Y/N If yes, what
 did he give you? Cash _____
 Goods (enter items) _____ Value _____
- Do you expect to give any further repayments of this loan to the lender? Y/N
 If Yes: what do you expect to give? _____
 when do you expect to give it? _____
- Do you consider this loan to be fully repaid? Y/N
 If No: Has the lender taken any action to attempt to be repaid? Describe the action:
- Has the lender asked for repayment? Y/N
 Why (ask why for both Y and N. If answer is needs the money, probe why)

If the answer to 3 is no, ask question 6

- Would you approach this lender to borrow again, if you needed a loan? Y/N

Relationship

- 1 Self
- 2 Spouse
- 3 Son
- 4 Daughter
- 5 Father
- 6 Mother
- 7 Grandson
- 8 Granddaughter
- 9 Grandfather
- 10 Grandmother
- 11 Brother
- 12 Sister
- 13 Wofa
- 14 Uncle
- 15 Aunt
- 16 Co-wife
- 17 Cousin
- 18 Local Friend
- 19 Non-resident friend
- 20 Extension

Agent

- 21 Market
- 22 Cooperative
- 23 NGO
- 24 Exporter
- 25 Village head
- 26 Lineage head
- 27 Priest
- 28 Trader

- 11 Other Rural
- 12 Not in Ghana

Action

- 1 Requested payment
- 2 Discussed the issue with your relatives
- 3 Discussed the issue with (relationship code)
- 4 Kept collateral
- 5 Taken collateral

Residence

- 1 Daman/Ahweriase
- 2 Pokrom/Nsabaa
- 3 Oboadaka/ Kwamekrom
- 4 Konkonuru
- 5 Aburi
- 6 Nsawam
- 7 Eastern region rural
- 8 Eastern region town
- 9 Accra
- 10 Other Urban

Farm Information I

This set of questionnaires includes:

Farm Information, General Form
Farming Information, Pineapple Plot Form
Own Pineapple Plots Form

NEW

| Village | HHN | Respondent | Resp. # | Date | Round |
|---------|-----|------------|---------|------|-------|
| | | | | | |

FARMING INFORMATION, GENERAL FORM

1. A. Do you know _____? Y/N (If no, go to 2)
 B. Do you know that (s)he has a pineapple farm at _____
 _____? Y/N
 (Project Information: HH ____ Individual ____ Plot ____)
2. A. Do you know _____? Y/N (If no, go to 3)
 B. Do you know that (s)he has a pineapple farm at _____
 _____? Y/N
 (Project Information: HH ____ Individual ____ Plot ____)
3. A. Do you know _____? Y/N (If no, go to 4)
 B. Do you know that (s)he has a pineapple farm at _____
 _____? Y/N
 (Project Information: HH ____ Individual ____ Plot ____)
4. A. Do you know _____? Y/N (If no, go to 5)
 B. Do you know that (s)he has a pineapple farm at _____
 _____? Y/N
 (Project Information: HH ____ Individual ____ Plot ____)
5. A. Do you know _____? Y/N (If no, go to 6)
 B. Do you know that (s)he has a pineapple farm at _____
 _____? Y/N
 (Project Information: HH ____ Individual ____ Plot ____)
6. A. Do you know _____? Y/N (If no, go to 7)
 B. Do you know that (s)he has a pineapple farm at _____
 _____? Y/N
 (Project Information: HH ____ Individual ____ Plot ____)
7. (Instructions: For each plot that the respondent knows about, fill one “Farming Information, Plot Form” questionnaire, taking care to enter the correct identifying numbers for the Village, HH, Individual and Plot).

| | | | | | |
|---------|-----|------------|---------|------|-------|
| Village | HHN | Respondent | Resp. # | Date | Round |
| | | | | | |

FARMING INFORMATION - PINEAPPLE PLOT FORM

Questions regarding HH _____ Respondent _____ Plot _____

1. Using the general form, remind the respondent of the name of the plot's owner, and its location or description.
- A. When did you last talk with this farmer? _____
- B. How often do you talk with this farmer in an avg. month? _____ C. Plot area: _____ D. For how many years has this plot been continuously cultivated? _____
- E. For how many years was it left fallow before this period of cultivation was started? _____

Labor Days used for: (remember that labor days are the number of days times the number of workers)

| Land Prep. | Planting | Cultivation | Applying Inputs | Harvest | Total |
|------------|----------|-------------|-----------------|---------|-------|
| | | | | | |

| Non-labor Input | Unit | Quantity | Density Measure | Frequency | Relative Score |
|-----------------|------|----------|-----------------|-----------|----------------|
| | | | | | |
| | | | | | |
| | | | | | |

| Harvest | Unit | Quantity | Value | Density Measure | Relative Score |
|------------------|------|----------|-------|-----------------|----------------|
| Export pineapple | | | | | |
| Local pineapple | | | | | |
| Suckers | | | | | |
| | | | | | |

- | | | | |
|---------------|--------------------------|-------------------------|-------------------|
| <u>Crops:</u> | 10 Fruits | 32 Champion | 1 More than resp. |
| 1 Cassava | 11 Olonka | 33 Topsin M | 2 Same as resp. |
| 2 Maize | 12 Basket | 34 Bavistin | 3 Less than resp. |
| 3 Plantain | 13 Bowl | 35 Alielte | |
| 4 Cocoyam | 14 Bunch | 41 NPK 15-15-15 | 11 More than avg. |
| 5 Yam | 15 Sucker | 42 NPK 23-15-5 | 12 Same as avg. |
| 6 Pineapple | 16 Kerosine tin | 43 NPKMg | 13 Less than avg. |
| 7 Tomato | 17 Rope | 11-5-27-5 | |
| 8 Garden egg | 18 Spoonful | 44 Ammonia | |
| 9 Okro | <u>Non-Labor Inputs:</u> | 45 Urea | |
| 10 Pepper | 1 Karate | 46 Lobi 44 (Urea) | |
| 11 Oranges | 2 Acellic | 47 Grofol (NPK) | |
| 12 Banana | 3 Dusban | 48 K Fol (Potash) | |
| 13 Avocado | 4 Cymbush | 49 Wuxal Others | |
| 14 Oil Palm | 5 Cymethoate | 51 Carbide | |
| 15 Cocoa | 6 Sumithion | (forcing) | |
| 16 Sugar Cane | 7 Furadan | 52 Biozyme TF | |
| 17 Bean | 8 Diazinon | (flowering) | |
| 18 Groundnut | 11 Biobit | 80 Sprayer | |
| <u>Unit:</u> | 12 Dipel 2x | 81 Tractor plowing | |
| 1 Pounds | 13 Of-nak | | |
| 2 Kilos | 21 Atrazine | <u>Density Measure:</u> | |
| 3 Tons | 22 Hyvar X | 1 Total | |
| 4 Minibag | 23 Diuron | 2 Per Plant | |
| 5 Maxibag | 24 Gramoxone | 3 Per Thousand | |
| 6 Liter | 25 Fusilade Super | 4 Per Rope | |
| 7 Gallon | 26 Roundup | 5 Per Acre | |
| 8 Beer bottle | 27 Basta | | |
| 9 Hundred | 31 Cocide | <u>Relative Score:</u> | |

| Village | HHN | Respondent | Resp. # | Date | Round |
|---------|-----|------------|---------|------|-------|
| | | | | | |

OWN PINEAPPLE PLOTS FORM (For comparison with other people's information)

Questions regarding HH_____ Respondent_____ Plot_____

Plot area:_____

For how many years has this plot been continuously cultivated?_____

For how many years was it left fallow before this period of cultivation was started? _____

Labor Days used for: (remember that labor days are the number of days times the number of workers)

| Land Prep. | Planting | Cultivation | Applying Inputs | Harvest | Total |
|------------|----------|-------------|-----------------|---------|-------|
| | | | | | |

| Non-labor Input | Unit | Quantity | Density Measure | Frequency |
|-----------------|------|----------|-----------------|-----------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |

| Harvest | Unit | Quantity | Value | Density Measure |
|------------------|------|----------|-------|-----------------|
| Export pineapple | | | | |
| Local pineapple | | | | |
| Suckers | | | | |
| | | | | |

Crops:

- 1 Cassava
- 2 Maize
- 3 Plantain
- 4 Cocoyam
- 5 Yam
- 6 Pineapple
- 7 Tomato
- 8 Garden egg
- 9 Okro
- 10 Pepper
- 11 Oranges
- 12 Banana
- 13 Avocado
- 14 Oil Palm
- 15 Cocoa
- 16 Sugar Cane
- 17 Bean
- 18 Groundnut

Unit:

- 1 Pounds
- 2 Kilos
- 3 Tons
- 4 Minibag
- 5 Maxibag
- 6 Liter
- 7 Gallon
- 8 Beer bottle
- 9 Hundred
- 10 Fruits
- 11 Olonka
- 12 Basket
- 13 Bowl
- 14 Bunch
- 15 Sucker
- 16 Kerosine tin
- 17 Rope
- 18 Spoonful

Non-Labor Inputs:

- 1 Karate
- 2 Acellic
- 3 Dusban
- 4 Cymbush
- 5 Cymethoate
- 6 Sumithion
- 7 Furadan
- 8 Diazinon
- 11 Biobit
- 12 Dipel 2x
- 13 Of-nak
- 21 Atrazine
- 22 Hyvar X
- 23 Diuron
- 24 Gramoxone
- 25 Fusilade Super
- 26 Roundup
- 27 Basta
- 31 Cocide
- 32 Champion
- 33 Topsin M
- 34 Bavistin
- 35 Alielte
- 41 NPK 15-15-15

42 NPK 23-15-5

- 43 NPKMg
11-5-27-5
- 44 Ammonia
- 45 Urea
- 46 Lobi 44 (Urea)
- 47 Grofol (NPK)
- 48 K Fol (Potash)
- 49 Wuxal Others
- 51 Carbide
(forcing)
- 52 Biozyme TF
(flowering)

- 80 Sprayer
- 81 Tractor plowing

Density Measure:

- 1 Total
- 2 Per Plant
- 3 Per Thousand
- 4 Per Rope
- 5 Per Acre

Relative Score:

- 11 More than avg.

12 Same as avg.

13 Less than avg.

| Village | HHN | Respondent | Resp. # | Date | Round |
|---------|-----|------------|---------|------|-------|
| | | | | | |

INFORMATION (One form to be filled per interview).

Since the last major season, have you changed any of the following, on any of the plots that you cultivate?

| Practice | Change Y/N | Details (new source, timing, chemical, etc...) | Plot # | Discussed with ... | |
|---|------------|--|--------|--------------------|--------------|
| | | | | HH and ID | Relationship |
| Seed source | | | | | |
| Sucker source | | | | | |
| Type of seed chemical treatment | | | | | |
| Type of sucker chemical treatment | | | | | |
| Timing of planting | | | | | |
| Plant spacing | | | | | |
| Raised beds | | | | | |
| Green manuring | | | | | |
| Type of fertilizer used | | | | | |
| Fertilizer timing | | | | | |
| Fertilizer quantity | | | | | |
| Type of pesticide used | | | | | |
| Pesticide timing | | | | | |
| Pesticide quantity | | | | | |
| Type of other chemical used | | | | | |
| Other chemical timing | | | | | |
| Other chemical quantity | | | | | |
| Encourage a particular plant to grow during fallow period | | | | | |

Who do other farmers in town ask for advice about farming? _____

Are you a member of a farmers association? Y/N

If yes, name of association(s) _____

When did you last talk with an extension agent? _____

- Relationship:
- | | | |
|-----------------|------------------------------|-----------------|
| 1 Self | 13Wfa | 24 Exporter |
| 2 Spouse | 14 Uncle | 25 Village head |
| 3 Son | 15 Aunt | 26 Lineage head |
| 4 Daughter | 16 Co-wife | 27 Priest |
| 5 Father | 17 Cousin (m/f) | 28 Trader (m/f) |
| 6 Mother | 18 Local Friend (m/f) | |
| 7 Grandson | 19 Non-resident friend (m/f) | |
| 8 Granddaughter | 20 Extension Agent (m/f) | |
| 9 Grandfather | 21 Market | |
| 10 Grandmother | 22 Cooperative | |
| 11 Brother | 23 NGO | |
| 12 Sister | | |

| | | | | |
|-------|----------|------|-------|-------|
| Name: | Village: | HHN: | Resp: | Date: |
|-------|----------|------|-------|-------|

Agricultural Learning

Whenever the respondent mentions an individual or organization to answer a question below, please ask the questions and fill out the individual and organization rosters on pages 4 and 5. **Probe** for the possibility of **more than one** organization or person as the answer to each question, especially the consultation questions.

1. From whom did you first learn about farming?
(If an organization specify how)
2. Do you still consult this person or organization when you need advice?
(If no, ask why)
3. Has anyone learned how to farm from you? Y/N
If so, who?
4. Did anyone advise you which particular crops to plant on your farms? Y/N (if Y, who?)
(Probe for the major crops the person is growing and list the people who advised them with that crop)

NEW

5. Do you still discuss farming matters with these people? Y/N
(If no, why not)
6. How did you first learn about which seeds to use?
(Probe for the major crops and list people with the particular seeds)
7. Do you still discuss seeds with them? Y/N (Explain)
8. Do you discuss techniques of using these seeds with anyone else? Y/N (Explain/who)

Now I would like to ask you about different farming practices.

9. Do you use weedicide? Y/N (If no skip to 10)
- 9A. From whom did you first learn about the idea of spraying weedicide?
- 9B. Do you still discuss techniques with them? Y/N (Explain)
- 9C. Do you discuss weedicide techniques with anyone else? Y/N (Explain./who)
10. Do you use fertilizer? Y/N (If no skip to 11)
- 10A. From whom did you first learn about the idea of using fertilizer?
- 10B. Do you still discuss techniques with them? Y/N (Explain)

10C. Do you discuss fertilizer techniques with anyone else? Y/N (Explain/who)

11. Do you use pesticide? Y/N (If no skip to 12)

11A. From whom did you first learn about the idea of pesticide?

11B. Do you still discuss techniques with them? Y/N (Explain)

11C. Do you discuss pesticide techniques with anyone else? Y/N (Explain/who)

12. Do you use other chemicals? Y/N (If no, skip to 13)

If yes, which chemicals _____

12A. From whom did you first learn about this chemical?

12B. Do you still discuss techniques with them? Y/N (Explain)

12C. Do you discuss techniques of using this chemical with anyone else? Y/N (Explain/who)

13. If you had a problem on your farm who would you go to for advice?

13A. Have you ever consulted this person before? Y/N If Y, how many times in the last year

14. Please describe the two most significant problems (e.g. wilt, termites, etc) you have had with the farm in the last year.

Problem 1 _____ Dates _____ (include duration)

How did you first learn what this problem was?

Who explained it to you?

Did the person/organization that helped you identify the problem help in finding a solution?

Y/N (Explain)

If you had another problem would you go to this person/organization? Y/N (Explain)

Problem 2 _____ Dates _____ (include duration)

How did you first learn what this problem was?

Who explained it to you?

Did the person/organization that helped you identify the problem help in finding a solution?

Y/N (Explain)

If you had another problem, would you go to this person/organization? Y/N (Explain)

15. Are there any other people you consult about farming who we haven't discussed yet?

If yes, who are they and what do you discuss with them?

16. Are there any societies, cooperatives, or organizations that you belong to which we have not discussed? If yes, what are they and what agriculture issues have you discussed, learned about or heard about there?

17. Are there any things about farming that you have learned about by trying different techniques by yourself? Y/N (If yes, explain what they are)

18. If the answer to 17 is yes, Have you shared these techniques with other people? Y/N
If yes, who?

NEW

Individual Roster

| Name | Occupation | If sample HHN | Relation | Known how long? | Met how? | Meet how often? | Other contacts? If Y — what are they? |
|------|------------|---------------|----------|-----------------|----------|-----------------|---------------------------------------|
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For relationship, feel free to use more than one code (e.g. extension officer **and** uncle as well as not using codes at all (e.g. family friend))

Occupation

- 1 Farming
- 2 Teaching
- 3 Artisan
- 4 Office worker
- 5 Civil Servant
- 6 Agric labor
- 7 Health worker
- 8 Non-agric labor
- 9 Trading
- 10 Student/pupil
- 11 Retired
- 12 Fully dependent
- 13 Unemployed
- 14 Extension officer
- 15 Exporter

Relationship

- 1 Self
- 2 Spouse
- 3 Son
- 4 Daughter
- 5 Father
- 6 Mother
- 7 Grandson
- 8 Granddaughter
- 9 Grandfather
- 10 Grandmother
- 11 Brother
- 12 Sister
- 13 Wofa
- 14 Uncle
- 15 Aunt
- 16 Co-wife
- 17 Cousin
- 18 Local Friend m/f

- 19 Non-resident friend m/f
- 20 Extension Agent m/f
- 21 Market
- 22 Cooperative
- 23 NGO
- 24 Exporter m/f
- 25 Village head
- 26 Lineage head
- 27 Priest
- 28 Trader m/f

Organization Roster

| Name | Location | How learned about it? | How often do you go there? | People on individual roster or in sample who belong |
|------|----------|-----------------------|----------------------------|---|
| | | | | |
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| | | | | |

- Location
 1 Daman/Ahweriase
 2 Pokrom/Nsabaa
 3 Ooadaka Kwamekrom
 4 Konkonuru
 5 Aburi
 6 Nsawam
 7 Eastern region rural
 8 Eastern region town
 9 Accra
 10 Other Urban (specify)
 11 Other Rural (specify)
 12 Not in Ghana

NEW

| | | | |
|------------|------|----------|-------|
| Village: 1 | HHN: | Resp ID: | Date: |
|------------|------|----------|-------|

Learning II — village 1

Use y=yes, n=no, 99=yes but he wouldn't know

| Name ----> | | | | | | | | xxxxx | Tradition. Leader | Extension officer |
|--|----------|-------|-------|-------|-------|-------|-------|-------|----------------------|----------------------|
| HHN/ID ----> | | | | | | | | | | |
| Do you know ----? | Y / N | Y / N | Y / N | Y / N | Y / N | Y / N | Y / N | Y / N | Y / N | Y / N |
| When did you last talk with -- --? | | | | | | | | | | |
| In a normal month, how often do you talk with ----? | | | | | | | | | | |
| Have you ever gone to --- for advice about your farm? | | | | | | | | | | |
| Could you go to --- if you had a problem with unhealthy crops? | | | | | | | | | | |
| Could you go to ---- for advice about when to apply a new kind of fertilizer? | | | | | | | | | | |
| Could you go to --- if you wanted to discuss changing your method of planting? | | | | | | | | | | |
| Could you go to --- if you wanted to find a buyer for any of your crops? | | | | | | | | | | |

NEW

- y - yes
- n - no
- 99 - yes, but he wouldn't know
- Codes for Last spoke
- 1 today
- 2 yesterday
- 3 past week
- 4 past two weeks
- 5 past month
- 6 past six months

- 7 past year
- 8 more than a year now

Now I would like to ask a few other questions:

What crops would you consider planting in the future and who have you discussed these with?

| Crop | person | crop | person | crop | person | crop | person |
|------|--------|------|--------|------|--------|------|--------|
| | | | | | | | |
| | | | | | | | |

NOTE: Use hhn/id or Individual Roster # for PERSON

Do you plant maize in rows? Yes No Not farming maize

Do you plant cassava in mounds? Yes No Not farming cassava

Do you plant cassava sticks straight up or at an angle?

Straight Angle Not farming cassava Both (explain)

For how many years have you farmed or did you farm (include time with parents):

maize _____
 cassava _____
 pineapple _____
 cocoa _____
 yam _____

NEW

Which abusua/clan are you a member of:

(1) Oyoko
 (2) Astone
 (3) Agona
 Other _____

Organizations

Ask if respondent is a member of the following organizations

1. Onipa Hiamoa Kuw (community improvement group)
 (0) not a member (1) active member (2) inactive/past member **(Circle one)**
2. Sie wo ho (funeral organization)
 (0) not a member (1) active member (2) inactive/past member **(Circle one)**
3. Biakoye kuo (farming organization)
 (0) not a member (1) active member (2) inactive/past member **(Circle one)**
4. Youth group
 (0) not a member (1) active member (2) inactive/past member **(Circle one)**
5. Community works group
 (0) not a member (1) active member (2) inactive/past member **(Circle one)**
6. Any other organization?
 _____ (name)
 (0) not a member (1) active member (2) inactive/past member **(Circle one)**

| Village | HHN | Respondent | Resp. # | Date | Round |
|---------|-----|------------|---------|------|-------|
| | | | | | |

OTHER INCOME

1. Please tell me about your businesses other than farming:

| | | | |
|---|---------------------------------------|---------------------------------------|---------------------------------------|
| Type of business | | | |
| Period | | | |
| Value of initial stock of raw materials or goods for sale | | | |
| A. Expenses | | | |
| Purchased raw materials or goods for sale | | | |
| Raw materials or goods for sale from farm | | | |
| Own labor | days: daily hours: daily value: | days: daily hours: daily value: | days: daily hours: daily value: |
| Spouse labor | days: daily hours: daily value: | days: daily hours: daily value: | days: daily hours: daily value: |
| Other unpaid labor | days: daily hours: daily value: | days: daily hours: daily value: | days: daily hours: daily value: |
| Wages and payments for services | | | |
| Transport/fuel | | | |
| Building costs or equipment purchase | | | |
| Equipment or building repairs, or rental | | | |
| Taxes or fees paid | | | |
| Other | | | |
| B. Revenue: | | | |
| Sales/Other Payments | | | |
| Value of own and household consumption | | | |
| Value of gifts given from business | | | |
| Value of final stock of raw materials or goods for sale | | | |
| If period is 2 weeks or less, number of days during the past 2 weeks during which you operated this business: | | | |

Period:

- 1 Daily
- 2 Past week
- 3 Past two weeks
- 4 Previous full month
- 5 Since January 1
- 6 Annual
- 7 Last major season
- 8 Last minor season

2. Please tell me about the work for pay for the past two weeks:

| | 1 | 2 | 3 |
|---|---|---|---|
| Occupation | | | |
| Casual or permanent work? | | | |
| Days worked over the past two weeks | | | |
| Cash earnings the past 2 weeks | | | |
| Value of kind earnings the past 2 weeks | | | |
| Average hours per day | | | |
| Have you been paid in full? | | | |

3. Please tell me about your income from farms outside of town.

| | Location | Expenses | Income | Net Income | Period | Weather in that location over that period |
|---|----------|----------|--------|------------|--------|---|
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |

Period:

- 1 Daily
- 2 Past week
- 3 Past two weeks

- 4 Previous full month
- 5 Since January 1
- 6 Annual

- 7 Last major season
- 8 Last minor season

Weather:

- 1 Better than usual
- 2 Same as usual
- 3 Worse than usual

4. Since our last interview have you had any other source of income, beyond those that we have discussed so far? For example, there might be a pension, or you might have received money from bride payments or inheritances. **Also includes income from sales of land.**

| Type of Income | Amount of income since our last interview |
|----------------|---|
| | |
| | |
| | |
| | |
| | |

5. Does your spouse get any income from a business other than farming? Y/N
 Does your spouse work for pay? Y/N
 Does your spouse get income from farms outside of this town? Y/N
 Does your spouse get income from any other source other than farming? Y/N

If the answer to any of these questions is yes, please estimate for me the net income earned by your spouse from her business or employment:

| Spouse's business, job or other income source | Spouse ID | Period | Net Income |
|---|-----------|--------|------------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

Period:

- | | | |
|------------------|-----------------------|---------------------|
| 1 Daily | 4 Previous full month | 7 Last major season |
| 2 Past week | 5 Since January 1 | 8 Last minor season |
| 3 Past two weeks | 6 Annual | |

| | | | | | |
|----------|-----|-------------|---------|-------|--------|
| Village: | HH# | Respondent: | Resp. # | Date: | Round: |
|----------|-----|-------------|---------|-------|--------|

Time Allocation

1. What time did you wake up on Monday? _____ 2. What time did you sleep on Monday? _____

3. Please tell me the activities you did on Monday, starting from the time you woke up:

| Activity | Time | Activity | Time |
|----------|----------------------------|----------|----------------------------|
| | __ hours and/or __ minutes | | __ hours and/or __ minutes |
| | __ hours and/or __ minutes | | __ hours and/or __ minutes |
| | __ hours and/or __ minutes | | __ hours and/or __ minutes |
| | __ hours and/or __ minutes | | __ hours and/or __ minutes |
| | __ hours and/or __ minutes | | __ hours and/or __ minutes |
| | __ hours and/or __ minutes | | __ hours and/or __ minutes |
| | __ hours and/or __ minutes | | __ hours and/or __ minutes |
| | __ hours and/or __ minutes | | __ hours and/or __ minutes |

Optional Time Guide — use this to help you and the respondent keep track of time (each block is 15 minutes):

NEW

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|--|--|------|--|--|-------|--|--|-------|--|--|------|--|--|------|--|--|------|--|--|------|--|--|------|--|--|-------|--|--|-------|--|--|
| *4am | | | | | | | | | | | | *5am | | | *6am | | | *7am | | | *8am | | | *9am | | | *10am | | | *11am | | |
| *Noon | | | | | | *1pm | | | *2pm | | | *3pm | | | *4pm | | | *5pm | | | *6pm | | | *7pm | | | | | | | | |
| 8pm | | | *9pm | | | *10pm | | | *11pm | | | | | | | | | | | | | | | | | | | | | | | |

Activity Codes

Domestic Work/Market

- 1 cooking/preparing food
- 2 pounding fufu
- 3 processing gari/cassava
- 4 cleaning house/dishes
- 5 fetching water
- 6 gathering firewood
- 7 household repairs
- 8 washing clothes
- 9 buying at the market
- 10 selling produce

- 11 working on own farm
- 12 working on spouses farm
- 13 working on joint farm
- 14 working on other farm
- 15 tending livestock
- 16 walking to/from farm

Other work

- 20 agricultural wage labor
- 21 non-agricultural wage labor
- 22 helping friend
- 23 helping family
- 24 trading/crafts

- 25 preparing food for sale
- 26 travel to/from work
- 27 other work
- Non-work activities not at home**
- 30 attending religious ceremonies
- 31 wedding/funeral
- 32 visiting friend/relative
- 33 attending school

Time for oneself

- 40 eating

- 41 bathing and personal care
- 42 sick (resting)
- 43 socializing
- 44 resting alone
- 45 praying
- 46 traveling

Child care

- 50 breastfeeding
- 51 feeding children
- 52 bathing/dressing children
- 53 playing/watching children
- 54 Caring for sick child

Now I would like to ask you about your spouse. Please estimate the time he or she spent **working** on her farms, your farms, joint farms, or other people's farms.

SPOUSE 1

Please estimate how much time he/she spent working on her own farms last Monday _____

Please estimate how much time he/she spent working on your own farms last Monday _____

Please estimate how much time he/she spent working on farms you both share last Monday _____

Please estimate how much time he/she spent working on other people's farms last Monday _____

SPOUSE 2

Please estimate how much time he/she spent working on her own farms last Monday _____

Please estimate how much time he/she spent working on your own farms last Monday _____

Please estimate how much time he/she spent working on farms you both share last Monday _____

Please estimate how much time he/she spent working on other people's farms last Monday _____

NEW

| Name | Village | HHN | ID | Date |
|------|---------|-----|----|------|
| | | | | |

Gifts and Transfers III

Current transfers

1. How much chop money did **your spouse give directly to you** for this past month? _____
2. How much chop money did **you give directly to your spouse** for this past month? _____
3. How much did **your spouse** get/keep from selling crops from **your farm**? _____
4. How much did **you** get/keep from selling output from your **spouse's farms**? _____

5. Have there been any days in the last month where **you** were short of money when you needed to **buy things for the house/family**? Y/N

If yes, number of times _____

What caused you to be short of money?

A. How many of these times did you ask your spouse for the money? _____

In addition to this chop money, did this spouse **give you** money for these things when you asked? Y/N

If Yes, total amount of money for all times: _____

How much of this amount will you have to repay to your spouse? _____

and/or did this **spouse use his/her money** to buy things for the house instead? Y/N

If Y, about how much did these cost _____

How much of this amount will you have to repay to your spouse? _____

B. How many of these times you were short of money did you ask someone else for the money? _____

Relationship _____

What was the total amount they gave you _____

How much will you have to repay? _____

6 Have there been any days in the last month when **you** were short of money and needed to **buy something for yourself**? Y/N

If yes, number of times _____

What caused you to be short of money?

How many of these times did you ask your spouse for the money? _____

Did this spouse **give you** money (for these things for yourself) when you asked? Y/N

If Yes, total amount of money for all times: _____

How much of this amount will you have to repay to your spouse? _____

and/or did this **spouse use his/her money** to buy things for you instead? Y/N

If Y, about how much did these cost _____

How much of this amount will you have to repay to your spouse? _____

How many of these times did you ask someone else for the money? _____

Relationship _____

What was the total amount they gave you _____

How much will you have to repay? _____

7 . Have there been any days in the last month where **this spouse** was short of money when he/she needed to **buy things for the house/family**? Y/N

If yes, number of times _____

Did he/she ask you for money? Y/N

Did he/she ask someone else for money? Y/N If Y, relationship to **spouse** _____

Did you give him/her money in addition to any chop money indicated above? Y/N

If Y, amount (total value) _____

How much of this amount will your spouse repay to you? _____

and/or did you use your money to buy things for the house instead (total for all times)? Y/N

If Y, about how much did these cost _____

How much of this amount will your spouse repay to you?

What caused your spouse to be short of money?

Codes for why short

1 did not sell crops

2 did not get payment for crops sold

3 crop is not ready when expected (delayed harvest)

4 unexpected loss in business

5 did not get paid for work when expected

6 did not get expected job

7 did not get expected loan payment

8 illness (self)

9 illness (spouse)

10 illness (other family member)

11 unexpected funeral

12 expected funeral

13 theft

14 unexpected household expense

15 school fees

NEW

8. In the last month have you receive a gift from anyone?

| I. Roster # | Residence of giver | Item | Value | Was it in the last week? |
|-------------|--------------------|------|-------|--------------------------|
| | | | | Y / N |
| | | | | Y / N |
| | | | | Y / N |
| | | | | Y / N |
| | | | | Y / N |
| | | | | Y / N |
| | | | | Y / N |
| | | | | Y / N |
| | | | | Y / N |
| | | | | Y / N |
| | | | | Y / N |
| | | | | Y / N |

NEW

9. In the last four weeks did you give any gifts?

| I. Roster # | Residence of recipient | Item | Value | Was it in the last week? |
|-------------|------------------------|------|-------|--------------------------|
| | | | | Y / N |
| | | | | Y / N |
| | | | | Y / N |
| | | | | Y / N |
| | | | | Y / N |
| | | | | Y / N |
| | | | | Y / N |
| | | | | Y / N |
| | | | | Y / N |
| | | | | Y / N |

10. In the last four weeks did your **spouse** receive any gifts from anyone?

| Relationship | Residence of giver | Item | Value | Was it in the last week? |
|--------------|--------------------|------|-------|--------------------------|
| | | | | Y / N |
| | | | | Y / N |
| | | | | Y / N |
| | | | | Y / N |
| | | | | Y / N |
| | | | | Y / N |
| | | | | Y / N |
| | | | | Y / N |
| | | | | Y / N |
| | | | | Y / N |
| | | | | Y / N |
| | | | | Y / N |

NEW

11. In the last four weeks did your **spouse** give any gifts to anyone?

| Relationship | Residence of recipient | Item | Value | Was it in the last week? |
|--------------|------------------------|------|-------|--------------------------|
| | | | | Y / N |
| | | | | Y / N |
| | | | | Y / N |
| | | | | Y / N |
| | | | | Y / N |
| | | | | Y / N |
| | | | | Y / N |
| | | | | Y / N |
| | | | | Y / N |
| | | | | Y / N |
| | | | | Y / N |
| | | | | Y / N |

| | | | | | |
|---------|-----|------------|---------|------|-------|
| Village | HHN | Respondent | Resp. # | Date | Round |
| | | | | | |

PURCHASED FOOD

| Has anyone in your household purchased ... for consumption in the past 12 months? Y/N | Yourself | | Spouse | | All others | | Relation |
|---|----------|-------|--------|-------|------------|-------|----------|
| | Period | Value | Period | Value | Period | Value | |
| Maize | | | | | | | |
| Corn dough | | | | | | | |
| Rice | | | | | | | |
| Bread, macaroni or flour | | | | | | | |
| Cassava | | | | | | | |
| Garri, kokonte, other cassava | | | | | | | |
| Yams | | | | | | | |
| Cocoyam | | | | | | | |
| Plantain | | | | | | | |
| Potato, sweet potato, millet, guinea corn, sorghum | | | | | | | |
| Oil Palm Fruit | | | | | | | |
| Groundnuts | | | | | | | |
| Fish, snail, crab, shellfish | | | | | | | |
| Chicken | | | | | | | |
| Pigeon, dove, duck, turkey, other fowl | | | | | | | |
| Beef | | | | | | | |
| Goat, sheep | | | | | | | |
| Bushmeat | | | | | | | |
| Eggs | | | | | | | |
| Palm oil | | | | | | | |
| Other oil | | | | | | | |
| Margarine, butter | | | | | | | |

Period:

- 1 Daily
- 2 Past week
- 3 Past two weeks
- 4 Previous full month
- 5 Last 3 months
- 6 Since January 1
- 7 Annual
- 8 Last major season
- 9 Last minor season
- 10 School term

| Has anyone in your household purchased ... for consumption in the past 12 months ? Y/N | Yourself | | Spouse | | All others | | Relation |
|--|----------|-------|--------|-------|------------|-------|----------|
| | Period | Value | Period | Value | Period | Value | |
| Pineapples | | | | | | | |
| Oranges, mangoes, pawpaw, banana, coconut, other fruit | | | | | | | |
| Sugar cane, toffee, honey | | | | | | | |
| Sugar, Milo, tea, coffee | | | | | | | |
| Milk, milk powder, baby food | | | | | | | |
| Non-alcoholic beverages (home or away from home) | | | | | | | |
| Alcoholic beverages (home or away from home) | | | | | | | |
| Salt | | | | | | | |
| Maggie cubes, tomato paste | | | | | | | |
| Tomatoes | | | | | | | |
| Onions | | | | | | | |
| Garden egg, Okro | | | | | | | |
| Beans, peas | | | | | | | |
| Pepper | | | | | | | |
| Kontomle | | | | | | | |
| Other vegetables | | | | | | | |
| Fufu, kenkey, banku, other prepared foods, chop bars | | | | | | | |
| Other Food | | | | | | | |

Chop Money given to spouse: Period _____ Amount _____

Chop Money received from spouse: Period _____ Amount _____

**Husband's farm produce sold
by wife to buy ingredients, etc...:** Period _____ Amount _____
(ask this for men as well as women)

Period:

- 1 Daily
- 2 Past week
- 3 Past two weeks
- 4 Previous full month
- 5 Last 3 months
- 6 Since January 1
- 7 Annual
- 8 Last major season
- 9 Last minor season
- 10 School term

| | | | | | |
|---------|-----|------------|---------|------|-------|
| Village | HHN | Respondent | Resp. # | Date | Round |
| | | | | | |

FOOD FROM FAMILY FARMS

| Have people in your household eaten ... from household farms in the past 12 months ? Y/N | From your farms | | From spouse's farms | | From other farms | | Rel. |
|--|-----------------|-------|---------------------|-------|------------------|-------|------|
| | Period | Value | Period | Value | Period | Value | |
| Maize | | | | | | | |
| Fresh Cassava | | | | | | | |
| Garri, kokonte, other cassava | | | | | | | |
| Yams | | | | | | | |
| Cocoyam | | | | | | | |
| Plantain | | | | | | | |
| Potato, sweet potato | | | | | | | |
| Oil Palm Fruit | | | | | | | |
| Groundnuts | | | | | | | |
| Fish, crabs, snails, shellfish | | | | | | | |
| Chicken | | | | | | | |
| Pigeon, dove, duck, turkey, other fowl | | | | | | | |
| Goat, sheep | | | | | | | |
| Bushmeat | | | | | | | |
| Eggs | | | | | | | |
| Palm oil | | | | | | | |
| Other oil | | | | | | | |
| Pineapples | | | | | | | |
| Oranges, mangoes, pawpaws, bananas, coconut, other fruit | | | | | | | |
| Sugar cane, honey | | | | | | | |

Period:

- | | |
|-----------------------|---------------------|
| 1 Daily | 7 Annual |
| 2 Past week | 8 Last major season |
| 3 Past two weeks | 9 Last minor season |
| 4 Previous full month | 10 School term |
| 5 Last three months | |
| 6 Since January 1 | |

| Have people in your household eaten ... from household farms in the past 12 months ? Y/N | From your farms | | From husband's farms | | From Other farms | | Relation |
|--|-----------------|-------|----------------------|-------|------------------|-------|----------|
| | Period | Value | Period | Value | Period | Value | |
| Palm wine, akpeteshie | | | | | | | |
| Other drinks | | | | | | | |
| Tomatoes | | | | | | | |
| Onions | | | | | | | |
| Garden egg, Okro | | | | | | | |
| Beans, peas | | | | | | | |
| Pepper | | | | | | | |
| Kontomle | | | | | | | |
| Other vegetables | | | | | | | |
| Other foods | | | | | | | |
| Firewood | | | | | | | |

NEW

Period:

- 1 Daily
- 2 Past week
- 3 Past two weeks
- 4 Previous full month
- 5 Last three months
- 6 Since January 1
- 7 Annual
- 9 Last major season
- 10 Last minor season
- 11 School term

| | | | | | |
|---------|-----|------------|---------|------|-------|
| Village | HHN | Respondent | Resp. # | Date | Round |
| | | | | | |

FAMILY EXPENSES

| Has anyone in your household spent anything on ... in the past 12 months? | Yourself | | Spouse (s) | | All others | | Relation |
|---|----------|-------|------------|-------|------------|-------|----------|
| | Period | Value | Period | Value | Period | Value | |
| School fees, parent assoc. | | | | | | | |
| Other school expenses | | | | | | | |
| Medicine | | | | | | | |
| Other medical expenses | | | | | | | |
| Adult shoes | | | | | | | |
| Children shoes | | | | | | | |
| Cloth | | | | | | | |
| Material for adult clothes | | | | | | | |
| Material for child clothes | | | | | | | |
| Adult clothes | | | | | | | |
| Child clothes | | | | | | | |
| Soap | | | | | | | |
| Personal care products (pomade, combs, shampoo...) | | | | | | | |
| Brooms, home maint. products | | | | | | | |
| Home repairs, painting | | | | | | | |
| Public transportation | | | | | | | |
| Petrol, motor oil | | | | | | | |
| Repairs, other vehicle exp. | | | | | | | |
| Newspapers, books, stationary | | | | | | | |
| Charcoal, firewood | | | | | | | |
| Matches, candles | | | | | | | |

Period:

- 1 Daily
- 2 Past week
- 3 Past two weeks
- 4 Previous full month
- 5 Last 3 months
- 6 Since January 1
- 7 Annual
- 8 Last major season
- 9 Last minor season
- 10 School term

| Has anyone in your household spent anything on ... in the past 12 months? Y/N | Yourself | | Spouse | | All others | | Relation |
|--|----------|-------|--------|-------|------------|-------|----------|
| | Period | Value | Period | Value | Period | Value | |
| Other fuel for cooking, light | | | | | | | |
| Stove, coal pot | | | | | | | |
| Kitchen equipment (pots, dishes) | | | | | | | |
| Lanterns | | | | | | | |
| Furniture | | | | | | | |
| Sheets, towels | | | | | | | |
| Hairdressing, haircuts | | | | | | | |
| Domestic servants | | | | | | | |
| Jewelry, watches | | | | | | | |
| Entertainment (cinema, sports, tapes, toys) | | | | | | | |
| Taxes | | | | | | | |
| Weddings, dowries | | | | | | | |
| Funerals | | | | | | | |
| Lottery tickets | | | | | | | |
| Cigarettes, tobacco, cola | | | | | | | |
| Sewing machine | | | | | | | |
| Radio, tape player | | | | | | | |
| Other major appliance | | | | | | | |
| Bicycle | | | | | | | |
| Motorbike | | | | | | | |
| Car, other vehicle | | | | | | | |
| Camera | | | | | | | |
| | | | | | | | |
| | | | | | | | |

NEW

- Period:
 1 Daily
 2 Past week
 3 Past two weeks
 4 Previous full month
 5 Last 3 months
 6 Since January 1
 7 Annual
 8 Last major season
 9 Last minor season

10 School term

| Village | HHN | Respondent | Resp. # | Date | Round |
|---------|-----|------------|---------|------|-------|
| | | | | | |

FAMILY BACKGROUND

Extra Expenditure Question: In the past 12 months, have you spent anything on building ...

| | Period | Amount spent | Was this amount included in "home repair" expenditures when I asked last time? Y/N |
|----------------------------|--------|--------------|--|
| A building in this town | | | |
| A building in another town | | | |

1. Family structure and wealth

Family or village office you hold _____. Please describe any privilege this office gives you:

Family home town _____ and region _____. Your first language _____.

Are you the first of your family to reside here? Y/N

If no, for approximately how many years has your family lived here? _____

If yes, for approximately how many years have you lived here? _____

Please tell me about the amount of family land your extended family has: (Fill only one column. The first is best, if not, then the second, and if not the second then the third)

| | Total Family Land | Family land in this town | Family land controlled by : |
|------------------------------------|-------------------|--------------------------|-----------------------------|
| Unit | | | |
| Total size | | | |
| Approximate % of total family land | | | |
| Size cultivated by self/spouse | | | |

Your income this year from family land rented out _____

Size of family land sold or leased (long-term) in last 12 months _____

Your income from sale _____

Land Size Unit

- 1 Ropes
- 2 Poles
- 3 Acres
- 4 Hectares
- 5 Square miles
- 6 Farms

Period

- 1 Daily
- 2 Past week
- 3 Past two weeks
- 4 Previous full month
- 5 Since January 1
- 6 Annual

7 Last major season

- 8 Last minor season
- 9 School term

2. Parents' Economic Background

| | Year of death | Years of school | First occupation | Second occupation | birthplace | residence | wife # or # of wives | # of children |
|--------|---------------|-----------------|------------------|-------------------|------------|-----------|----------------------|---------------|
| mother | | | | | | | | |
| father | | | | | | | | |

Age at start of independent farming (or first marriage, if not a farmer): _____

In that year, or in the year of the mother's or father's death, please tell us

| | Size of farms cultivated by mother and father | | | | | | own house? Y/N | material for | | |
|--------|---|-------|-------|----------|------|-------|-------------------|--------------|-------|-------|
| | unit | total | cocoa | oil palm | food | other | | roof | walls | floor |
| mother | | | | | | | | | | |
| father | | | | | | | | | | |

3. Fosterage

Did you live with anyone away from your parents for at least a year while growing up?

| ages | relationship | place | purpose | foster parent's | | |
|------|--------------|-------|---------|-----------------|-----------------|-----------------------|
| | | | | occupation | number of farms | main farming activity |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Residence/Place

- 1 Daman/Ahweriase
- 2 Pokrom/Nsabaa
- 3 Oboadaka/
Kwamekrom
- 4 Konkonuru
- 5 Aburi
- 6 Nsawam
- 7 Eastern region
rural
- 8 Eastern region
town
- 9 Accra
- 10 Other Urban
- 11 Other Rural
- 12 Not in Ghana
- 13 Family home
town

4 Hectares

- 5 Farms
- Roof
- 1 Roofing Sheets
- 2 Bamboo
- 3 Grass/palm thatch
- Walls
- 1 Brick
- 2 Plaster over brick
- 3 Concrete block
- 4 Mud
- 5 Bamboo

Floor

- 1 Concrete
- 2 Dirt

4 Daughter

- 5 Father
- 6 Mother
- 7 Grandson
- 8 Granddaughter
- 9 Grandfather
- 10 Grandmother
- 11 Brother
- 12 Sister
- 13 WBfa
- 14 Uncle
- 15 Aunt
- 16 Co-wife
- 17 Cousin
- 18 Local Friend
- 19 Non-resident
friend
- 20 Extension
Agent
- 21 Market
- 22 Cooperative
- 23 NGO
- 24 Exporter

25 Village head

- 26 Lineage head
- 27 Priest
- 28 Trader
- Purpose
- 1 Househelp
- 2 Schooling
- 3 Adopted
- 4 Farming
- 5 Apprentice
- Occupation
- 1 Farmer
- 2 Trader
- 3 Artisan
- 4 Civil Servant
- 5 Labourer

Land Area Unit

- 1 Ropes
- 2 Poles
- 3 Acres

Relationship

- 1 Self
- 2 Spouse
- 3 Son

4. Land Inheritances, received or anticipated

| date | relationship | residence | land size | unit | land location | At time of inheritance: | | current value |
|------|--------------|-----------|-----------|------|---------------|-------------------------|-----------|---------------|
| | | | | | | developed or fallow | main crop | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

5. Other Inheritances, received or anticipated

| date | relationship | residence | house Y/N | house location | other item | current value |
|------|--------------|-----------|-----------|----------------|------------|---------------|
| | | | | | | |
| | | | | | | |
| | | | | | | |

6. Assistance received in establishing yourself

| date | relationship | residence | land size | land location | other item | current value | Loan or gift? | Repaid ? Y/N |
|------|--------------|-----------|-----------|---------------|------------|---------------|---------------|--------------|
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

Relationship

- 1 Self
- 2 Spouse
- 3 Son
- 4 Daughter
- 5 Father
- 6 Mother
- 7 Grandson
- 8 Granddaughter
- 9 Grandfather
- 10 Grandmother
- 11 Brother
- 12 Sister

13 WBfa

- 14 Uncle
- 15 Aunt
- 16 Co-wife
- 17 Cousin
- 18 Local Friend
- 19 Non-resident friend
- 20 Extension Agent
- 21 Market
- 22 Cooperative
- 23 NGO

24 Exporter

- 25 Village head
 - 26 Lineage head
 - 27 Priest
 - 28 Trader
- Residence/Location
- 1 Daman/Ahweriase
 - 2 Pokrom/Nsabaa
 - 3 Oboadaka/Kwamekrom
 - 4 Konkonuru
 - 5 Aburi
 - 6 Nsawam

7 Eastern region rural

- 8 Eastern region town
 - 9 Accra
 - 10 Other Urban
 - 11 Other Rural
 - 12 Not in Ghana
- Land Area Unit
- 1 Ropes
 - 2 Poles
 - 3 Acres
 - 4 Hectares
 - 5 Farms

| | | | | |
|--------------|-----------------|-------------|--------------|--------------|
| Name: | Village: | HHN: | Resp: | Date: |
|--------------|-----------------|-------------|--------------|--------------|

FEMALE Marital Attitudes Questionnaire

This questionnaire asks about marital issues. Please explain to respondents that they do not have to answer any or all questions. We are only asking to try and improve our understanding of how households in Ghana work.

1. Where does your husband stay? *(Circle one)*
 - (1) same house
 - (2) same village, different house
 - (3) other place _____
if other place, how often do you see him? _____
2. Overall, how do you get along with your husband? *(Circle one)*
 - (1) Very well
 - (2) Well
 - (3) Satisfactory
 - (4) Not so well
 - (5) Not well at all
 - (9) Can't say
3. On a scale of one to five how much do you trust your husband? *(Circle one)*
 - (1) Completely (100%)
 - (2) A lot (75%)
 - (3) Some (50%)
 - (4) A little (25%)
 - (5) Not at all (0%)
 - (9) Can't say
4. On a scale of one to five, how fair does your husband treat you?
 - (1) Completely fair (100%)
 - (2) Mostly fair (75%)
 - (3) Sometimes fair, sometimes not (50%)
 - (4) Not that fair (25%)
 - (5) Not fair at all (0%)
 - (9) Can't say

NEW

4A. If the answer is not (1) "completely fair", what does he do that is not fair?

5. What do you do that provokes your husband?
6. Has your husband ever beaten you? Y/N
If Y, number of times in the last year _____
7. Assuming your husband provokes you, what will you do? Y/N
8. Have you ever beaten your husband? Y/N
If Y, number of times in the last year _____

Now I would like to ask you more about how you and your husband manage the house and farm.

9. Do you think your husband does her fair share of work on the farm? Y/N *(if N ask why)*
10. What do you do if he does not?
11. Do you think your husband does enough work around the house? Y/N *(if N ask why)*
12. What do you do if he does not?

13. Does your husband contribute to household finances? Y/N

13A. If yes, how?

14. Is his contribution adequate? Y/N (if N ask why)

15. What do you do if it is not?

16. Are there certain things in the house that you always buy? Y/N

16A. If so, what are they?

17. Are there certain things in the house that your husband always buys? Y/N

17A. If so, what are they?

18. Are there certain things for the family (e.g. school fees, funeral expenses) that you always pay for? Y/N

18A. If so, what are they?

19. Are there certain things for the family that your husband always pays for? Y/N

19A. If so, what are they?

20. Do you lend money to your husband? Y/N (if No go to 21)

20A. If yes, how much have you lent in the last six months?

20B. In the last month?

20C. What were the amounts for?

20D. When do you expect it back?

20E. How do you get it back?

20F. Do you have problems getting it back? Y/N

20G. Does this lead to quarrels? Y/N

20H. What is the outcome if there are problems or a quarrel?

21. Do you buy gifts for your husband? Y/N

If so, what have you bought for him in the last six months?

| Date | Gift | Value | Date | Gift | Value |
|------|------|-------|------|------|-------|
| | | | | | |
| | | | | | |
| | | | | | |

22. Do you give your husband money to buy food for the house? Y/N

If so, how much have you given him for the last month (do it day by day)?

PROBE for days of different amounts given or none and note these

| Date | Amount | Date | Amount | Date | Amount |
|------|--------|------|--------|------|--------|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

23. Who determines these amounts?

24. What factors are taken into consideration when determining these amounts?

25. Have you given him anything else for the maintenance of the household in the last month? Y/N

If so, when, and what was the value?

| Date | Item | Amount | Date | Item | Amount |
|------|------|--------|------|------|--------|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

26. Have you given your husband money to trade or for another business within the last month? Y/N

Note these are gifts, loans should be included above in question 20

26A. If so how much and what for?

26A, What happens to the money he makes from trading or that business?

Marital History

27. Apart from this man, have you married any other men? Y/N (If no, END)

27A. How many other men have you married _____

Now I would like to ask you about each of these other men.

Fill answers in the boxes below

What was the outcome (e.g. deceased, divorce, separation, still married, other)?

If divorced or separated, why?

Do you get money from the other husband? (If Y, put frequency and amount)

| Husband # | Outcome | Reason divorce/separation | Get money? |
|-----------|---------|---------------------------|------------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

I would also like to ask some question about your relations with these other husbands
(use questions 2-4 as a guide)

Overall, how well do/did you get along with each man (use 1-5 scale, 1=very well, 5=not well)

On a scale of one to five, how much did you trust each man (use scale, 1=completely, 5=not at all)

On a scale of one to five, how fair was each man? (Use scale, 1=completely fair, 5=not fair at all)

| Husband # | Get along | Trust | Fair | Comments |
|-----------|-----------|-------|------|----------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

| | | | |
|----------|------|----------|-------|
| Village: | HHN: | Resp ID: | Date: |
|----------|------|----------|-------|

Marital II

Fill this form for ALL respondents

A. Previous marriages

In addition to your current wives, how many other men/women have you married? _____

Please list them here, and give them numbers starting with one. Do not list any respondents in this table.

| # | Name | Outcome (use codes listed below) | Location | Money in the last year | | I. Roster # (if app) |
|---|------|----------------------------------|----------|------------------------|----------|----------------------|
| | | | | Sent | Received | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Outcome codes: (1) deceased (2) divorce (3) separation (4) Still married

- **For every divorced/separate spouse attach a divorced spouse questionnaire (A.1). For every dead spouse attach a deceased spouse questionnaire (A.2). Use the numbers you gave the spouses above to identify them on these attachments.** (Note: If a spouse died after divorce, fill both A.1 and A.2.)
- **For every spouse that the respondent is currently married to, attach a current marriage questionnaire (C).**

B. Parents marital history

1. How long have your father and mother been married? _____

2. Are your father and mother still living together? Y/N

2.A. If no, why not? (Divorce, deceased)

3. If they are no longer married, answer the following questions (for both death and divorce):

Has your mother remarried? Y / N / Dead

Has your father remarried? Y / N / Dead

Who can now sell or rent your father's land?

____% by ____ (relation to resp) and ____% by ____ (relation to resp)

What happened to your father's other property (house, cloth, jewelry, etc)?

____% went to ____ (relation to resp) and ____% went to ____ (relation to resp)

Who can now sell or rent your mother's land?

____% by ____ (relation to resp) and ____% by ____ (relation to resp)

What happened to your mother's other property (house, cloth, jewelry, etc)?

____% went to ____ (relation to resp) and ____% went to ____ (relation to resp)

4. Overall, how do/did your parents get along? (Circle one)

(1) Very well

- (2) Well
- (3) Satisfactory
- (4) Not so well
- (5) Not well at all
- (9) Can't say

5. On a scale of one to five how much did your parents trust each other? *(Circle one)*

- (1) Completely (100%)
- (2) A lot (75%)
- (3) Some (50%)
- (4) A little (25%)
- (5) Not at all (0%)
- (9) Can't say

For female respondents ask:

6F. On a scale of one to five, how fair did your father treat your mother?

For male respondents ask::

6M. On a scale of one to five, how fair did your mother treat your father?

(Circle one)

- (1) Completely fair (100%)
- (2) Mostly fair (75%)
- (3) Sometimes fair, sometimes not (50%)
- (4) Not that fair (25%)
- (5) Not fair at all (0%)
- (9) Can't say

NEW

7. Did your father ever beat your mother? Y/N
If yes, how many times in an average year? _____

8. What is your religion? _____

Religion codes

- 1 Presbyterian
- 2 Methodist
- 3 Pentacostal
- 4 Anglican
- 5 Protestant
- 6 Catholic
- 7 Muslim
- 8 Animist/Traditional

| | | |
|----------|------|----------|
| Village: | HHN: | Resp ID: |
|----------|------|----------|

C. Current Marriage Attachment

Spouse Resp ID: _____ (If current spouse is not a resp, write N/A and explain why not a resp)
Spouse Name:

1. How long have you been married to this current spouse? _____ years
2. What is this spouse's religion?
3. Were you married in a court/council? Y/N
4. Were you married in a church? Y/N
5. Have you performed the customary rites with your spouse? Y / N
 What was the total value, at that time, of all gifts given by you and your family? _____
 What was the total value, at that time, of all gifts given by your spouse and his/her family? _____
6. Aside from these gifts, what was the total value of all things such as houses, money, and household goods (**except land**) that your spouse brought to the marriage? _____
7. Aside from these gifts, what was the total value of all things (**except land**) you brought to the marriage?

Current marriage transfers

8. How much chop money did **your spouse give directly to you** for this past month? _____
9. How much chop money did **you give directly to your spouse** for this past month? _____
10. How much did **your spouse** get/keep from selling crops from **your farm**? _____
11. How much did **you** get/keep from selling output from your **spouse's farms**? _____
12. **In addition to this chop money**, have there been any days in the last month where **you** were short of money when you needed to **buy things for the house/family**? Y/N
 If yes, number of times _____
 What caused you to be short of money?

How many of these times did you ask your spouse for the money? _____
 How many of these times did you ask someone else for the money? _____
 Relationship _____

In addition to this chop money, did this spouse **give you** money for these things when you asked? Y/N
 If Yes, total amount of money for all times: _____
 How much of this amount will you have to repay to your spouse? _____
 and/or did this **spouse use his/her money** to buy things for the house instead? Y/N
 If Y, about how much did these cost _____
 How much of this amount will you have to repay to your spouse? _____

13. Have there been any days in the last month when **you** were short of money and needed to **buy something for yourself**? Y/N

If yes, number of times _____

What caused you to be short of money?

How many of these times did you ask your spouse for the money? _____

How many of these times did you ask someone else for the money? _____

Relationship _____

Did this spouse **give you** money (for these things for yourself) when you asked? Y/N

If Yes, total amount of money for all times: _____

How much of this amount will you have to repay to your spouse? _____

and/or did this **spouse use his/her money** to buy things for you instead? Y/N

If Y, about how much did these cost _____

How much of this amount will you have to repay to your spouse? _____

14. Have there been any days in the last month where **this spouse** was short of money when he/she needed to **buy things for the house/family**? Y/N

If yes, number of times _____

Did he/she ask you for money? Y/N

Did he/she ask someone else for money? Y/N If Y, relationship to **spouse** _____

Did you give him/her money in addition to any chop money indicated above? Y/N

If Y, amount (total value) _____

How much of this amount will your spouse repay to you? _____

and/or did you use your money to buy things for the house instead (total for all times)?

If Y, about how much did these cost _____

How much of this amount will your spouse repay to you?

What caused your spouse to be short of money?

| | | |
|----------|------|----------|
| Village: | HHN: | Resp ID: |
|----------|------|----------|

A.1 Divorced/Separated Spouse Attachment

Fill and attach one of these for each divorced and separated spouse:

Spouse Name:

Spouse Number (use the number from the table in section A):

1. How long were you married before the divorce? _____ years
2. When were you divorced (year)?
3. How many children did you have with this spouse? _____
 How many of these children live with you now? _____
 How many of these children live with your spouse now? _____
 How many of these children live with _____ (relation to resp.) now? _____ (#)
4. Were you married in a court/council? Y/N
5. Were you married in a church? Y/N
6. Did you preform the customary rites in the marriage? Y/N
7. What were the reasons for the divorce (use codes if you can, but write them if not)?
8. When you divorced, were your family elders involved? Y/N
 Were your spouse's? Y/N
9. Was there a ceremony for the divorce?
10. At the time of the divorce were you living together in the same house? Y/N
11. Did you leave the house after the divorce or did your spouse? (Circle one)
 (1) Self (2) Spouse

If you left where did you go to stay?

Place: Relation (to resp):

If your spouse left, where did your spouse go to stay?

Place: Relation (to **spouse**):

12. At the time of the divorce, were you farming together? Y/N
13. What happened to those farms?

Now ask about the finances involved in the divorce/separation. **Include the total value of all compensation and returned gifts.** Note that current payments to this spouse should be included in section A (the first section)

14. **At the time of the divorce**, did you **get** any property or money from your spouse? Y/N
 Total value property: _____ cedis
 Total value money: _____ cedis
15. **At the time of the divorce**, did you **get** any property or money from your spouse's family? Y/N
 Total value property: _____ cedis
 Total value money: _____ cedis
16. **At the time of the divorce**, did you **give** any property or money to your spouse? Y/N
 Total value property: _____ cedis
 Total value money: _____ cedis
17. **At the time of the divorce**, did you **give** any property or money to your spouse's family? Y/N
 Total value property: _____ cedis
 Total value money: _____ cedis

| | | |
|---------|-----|---------|
| Village | HHN | Resp ID |
|---------|-----|---------|

A. 2 Deceased Spouse Attachment

Fill one of these for every dead spouse the respondent has.

Spouse Name:

Spouse Number (use the number from the table in section A):

1. For how long were you married to this spouse? _____ years
2. When did this spouse die (which year)? _____
3. How many children did you have with this spouse? _____
 Of these, how many live with you now? _____
 Of these how many live with _____ (relation to **spouse**) now? _____
 Of these how many are living on their own now? _____
4. Were you married to this spouse in a council/court? Y/N
5. Were you married to this spouse in a church? Y/N
6. Did you perform the customary rites with this spouse? Y/N
7. When your spouse died, what happened to his/her land?
 _____% went to _____ (relation to **spouse**) and _____% went to _____ (relation to **spouse**)
 What was the total value of all of this land? _____
8. When your spouse died, what happened to his/her things?
 _____% went to _____ (relation to **spouse**) and _____% went to _____ (relation to **spouse**)
 What was the total value of all of these things? _____
9. When your spouse died, what happened to his/her money?
 _____% went to _____ (relation to **spouse**) and _____% went to _____ (relation to **spouse**)
 What was the total amount of the money he/she had? _____
10. When your spouse died, what happened to the house you were sharing?
 _____% went to _____ (relation to **spouse**) and _____% went to _____ (relation to **spouse**)
 About how much was this house(s) worth? _____

| | | | | |
|---------|-----|------------|---------|------|
| Village | HHN | Respondent | Resp. # | Date |
| | | | | |

SOIL FERTILITY RANKING

Please rank your farms in order of their fertility (in order of most to least fertile):

| | Plot Number | Comments |
|---------------|-------------|----------|
| Most Fertile | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| Least Fertile | | |
| | | |
| | | |
| | | |

NEW

| | | | | |
|-------|----------|------|-------|-------|
| Name: | Village: | HHN: | Resp: | Date: |
|-------|----------|------|-------|-------|

Events Questionnaire

I would like to ask you about recent events that have happened to you and your household.

In the last six months have you lost any of the crop you have **stored** to pests?

Y/N/Nothing stored

| Date noticed | Crop | Units | Quantity | Value |
|--------------|------|-------|----------|-------|
| | | | | |
| | | | | |

Have you lost a job or not gotten work you were expecting any time during the last month (**Note: this includes all work except that on the respondents own farms**)?

If yes, date _____

Have you **not been paid** an amount you were expecting for work in the last month? Y/N

| Date | Amount | Date | Amount | Date | Amount |
|------|--------|------|--------|------|--------|
| | | | | | |

Have you been **paid** an amount you were **not expecting** for work in the last month? Y/N

| Date | Amount | Date | Amount | Date | Amount |
|------|--------|------|--------|------|--------|
| | | | | | |

In the last month, **have you received** any loan repayment you were **not expecting**?

| Date | Amount | Date | Amount | Date | Amount |
|------|--------|------|--------|------|--------|
| | | | | | |

In the last month, have **you not received** a loan repayment you **were expecting**?

| Date | Amount | Date | Amount | Date | Amount |
|------|--------|------|--------|------|--------|
| | | | | | |

In the last month, have there been any days when you were sick? Y/N

If yes, number _____

Of these, how many did you not go to work/farm? _____

Did you have to pay medical bills? Y/N

If yes, amount _____

OR did someone else pay these bills for you? Y/N

Relationship _____ Amount _____

Now I would like to ask you about your **health for the last year**.

Please tell me about significant events that have happened regarding your health in the last year (including illness, pregnancies, etc)

| Event | Date started | Duration # of days | Days of work/farming missed | Resulting expenses | Who paid? |
|-------|--------------|--------------------|-----------------------------|--------------------|-----------|
| | | | | | |
| | | | | | |
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| | | | | | |

Has anything been stolen from you since christmas Y/N

If yes, value _____

Has anything been stolen from the house since christmas? Y/N

If yes, value _____

Have you been to a funeral in the last month? Y/N

If yes, (1) date _____ contribution _____ (nt: contribution is total paid from resp.'s money)

(2) date _____ contribution _____

(3) date _____ contribution _____

(4) date _____ contribution _____

In the last month have **you** had any other unexpected expenses? Y/N

| event | date | amount | event | date | amount |
|-------|------|--------|-------|------|--------|
| | | | | | |
| | | | | | |
| | | | | | |

In the last month has **your spouse** had any unexpected expenses? Y/N

| event | date | amount | event | date | amount |
|-------|------|--------|-------|------|--------|
| | | | | | |
| | | | | | |
| | | | | | |

In the last month have there been any **unexpected household expenses that you have paid**? Y/N

| event | date | amount | event | date | amount |
|-------|------|--------|-------|------|--------|
| | | | | | |
| | | | | | |
| | | | | | |

If you farm pineapple, did you sell some in the last six months? Y/N

| sale date | did the exporter reject some? | was this more than expected? | Amount received | Amount that you expected to receive |
|-----------|-------------------------------|------------------------------|-----------------|-------------------------------------|
| | Y / N | Y / N | | |
| | Y / N | Y / N | | |
| | Y / N | Y / N | | |
| | Y / N | Y / N | | |
| | Y / N | Y / N | | |

Codes

Crops:

- 1 Cassava
- 2 Maize
- 3 Plantain
- 4 Cocoyam
- 5 Yam
- 6 Pineapple
- 7 Tomato
- 8 Garden egg
- 9 Okro
- 10 Pepper
- 11 Oranges
- 12 Banana
- 13 Avocado
- 14 Oil Palm
- 15 Cocoa
- 16 Sugar Cane
- 17 Bean
- 18 Groundnut

Unit:

- 1 Pounds
- 2 Kilos
- 3 Tons
- 4 Minibag
- 5 Maxibag
- 6 Liter
- 7 Gallon
- 8 Beer bottle
- 9 Hundred
- 10 Fruits
- 11 American tin (olonka)
- 12 Basket
- 13 Bowl
- 14 Bunch
- 15 Sucker
- 16 Kerosine tin
- 17 Rope
- 18 Headload
- 19 Tomato tin

Relationship

- 1 Self
- 2 Spouse
- 3 Son
- 4 Daughter
- 5 Father
- 6 Mother

- 7 Grandson
- 8 Granddaughter
- 9 Grandfather
- 10 Grandmother
- 11 Brother
- 12 Sister
- 13 Wofa
- 14 Uncle
- 15 Aunt
- 16 Co-wife
- 17 Cousin
- 18 Local Friend m/f
- 19 Non-resident m/f friend
- 20 Extension Agent m/f
- 21 Market
- 22 Cooperative
- 23 NGO
- 24 Exporter
- 25 Village head
- 26 Lineage head
- 27 Priest
- 28 Trader m/f

--for page 4 only--

Events

- 1 termites
- 2 other insects
- 3 rodents
- 4 grasscutter
- 5 other animal
- 6 wilt
- 7 leaves fall off
- 8 mushroom/fungus
- 9 rotten roots
- 10 rotten crops
- 11 not enough water
- 12 flood
- 13 chemical damage
- 14 planting error
- 15 unidentified disease
- 16 no market for crop

Severity:

- 1 Minor
- 2 Noticable loss
- 3 Significant loss
- 4 Major loss
- 5 Total Crop Failure

Response:

- 1 None
- 2 Replant
- 3 Specific chemicals
- 4 Hand picking
- 5 Stop cultivating
- 6 Uproot affected area
- 7 Uproot entire farm
- 8 Destroy affected crop
- 9 Make traps
- 10 Change seed or variety
- 11 Change method of planting
- 12 Treat seeds before planting
- 13 Treat suckers
- 14 Can watering
- 15 Pump irrigation

Tell me about the problems **on your farm** in the last six months (such as wilt, termites, pilfered crops, crop loss for some other reason)?

| Dates | Plot | Event (use codes, if possible) | Crops | % of plot | severity | response | discussed with | value of damage |
|-------|------|--------------------------------|-------|-----------|----------|----------|----------------|-----------------|
| | | | | | | | | |
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Has your **spouse had any problems on his or her farms** in the last six months (such as wilt, termites, pilfered crops, crop loss, etc)

| Dates | Plot | Event | Crops | % of plot | severity | response | discussed with | value of damage |
|-------|------|-------|-------|-----------|----------|----------|----------------|-----------------|
| | | | | | | | | |
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| Village | HHN | Respondent | Resp. # | Date | Round |
|---------|-----|------------|---------|------|-------|
| | | | | | |

Plot Questionnaire

One form to be completed for each plot controlled by the respondent. This includes fallowed and cultivated plots, plots rented or borrowed by the respondent, and plots that the respondent has lent or rented to someone else. To be completed at the time of mapping.

- I. Plot number: _____
Description:

Soil Description:

Toposequence:

Area:

When was the land last fallow?

Duration of last or current fallow:

Have you done anything to improve your land?

| Type | Date Made | Made by Respondent? |
|------|-----------|---------------------|
| | | |
| | | |
| | | |
| | | |

Crops

What crop(s) are you growing now?

| Crop | Date planted | Proportion of plot | Notes |
|------|--------------|--------------------|-------|
| | | | |
| | | | |
| | | | |

For the past three years, what crops have you (or others) grown here in the past?

(Note fallow periods as well)

| Crop | Dates | | Proportion of plot | Farmer (relationship) | Was fertilizer used? |
|------|-------|---------|--------------------|-----------------------|----------------------|
| | plant | harvest | | | |
| | | | | | |
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II. Current Contracts:

A. Is this your own land, or your family land? Y/N [If yes, go to B]

1. Are you renting this plot? Y/N [If no, skip to 2]

Contract type: Abusa Abunu Cash Rent Other:

Year contract began: Month:

| | | | | | | | |
|-----------------|--|--|--|--|--|--|--|
| Crop/Input | | | | | | | |
| Share of tenant | | | | | | | |

Is the rent dependent on the type of crop you plant? Y/N

If yes, how so?

Any planned division of land? Y/N If yes, map.

Amount of fixed rent: Date paid:

Rent is for how long?: Outstanding rent:

Value of other payments made for this rental period:

Residence of owner: Relationship to owner:

Name of owner:

Do you do other business with the owner? (Y/N, explain)

Have there been any disputes over the rent during this period (Y/N, explain)?

[Go to IV]

2. Other (explain):

Month/Year when you began farming this plot:

Have you given anything to the owner on account of the land?

Cash: Kind: Other:

Do you plan to give anything to the owner on account of the land?

Cash: Kind: Other:

Residence of owner: Relationship to owner:

Name of owner?

Any disputes? [Go to IV]

B. Is someone else using this land? Y/N [If no, go to III].

1. Are you renting this plot out to someone? Y/N [If no, skip to 2]

Contract type: Abusa Abunu Cash Rent Other:

Year contract began: Month:

| | | | | | | | |
|-------------------|--|--|--|--|--|--|--|
| Crop/Input | | | | | | | |
| Share of landlord | | | | | | | |

Any planned division of land? ----- If yes, map.

Amount of fixed rent: Date paid:

Rent for period: Outstanding rent:

Value of other payments made for this rental period:

Residence of tenant:: Relationship to tenant:

Name of tenant:

Do you have any other business with this person? (Y/N, explain) [Go to III]

2. Other:

Month/Year when she/he began cultivating the plot:

Has she/he given you anything on account of the land?

Cash: Kind:

Do you expect to receive anything on account of the land?

Cash: Kind:

Residence of other person: Relationship to other person:

Name of other person:

Do you do any other business with this person? (Y/N, explain)

III. Plot History:

How did you obtain this land? -----

From whom did you obtain the land? -----

When did you obtain this land? -----

Did they pay anything on account of this land? Y/N

amount _____ for period _____ to whom? _____

If **respondent** purchased, price:

If **respondent** mortgaged, terms:

Have you paid anything this year on account of this land to the person from whom you obtained it?

Cash: Kind: Other: Abusu/Abunu:

| | | | | | | | |
|-------------------|--|--|--|--|--|--|--|
| Crop/Input | | | | | | | |
| Share of landlord | | | | | | | |

Do you expect to pay anything this year on account of this land?

Cash: Kind: Other: Abusu/Abunu:

| | | | | | | | |
|-------------------|--|--|--|--|--|--|--|
| Crop/Input | | | | | | | |
| Share of landlord | | | | | | | |

Tenancy Disputes: Have you had a dispute with your tenant/borrower? Y/N

Land Disputes: Have there been any disputes over the control of this plot in the family?Y/N

If yes, explain:

Has the village head intervened in any dispute? Y/N

Have there been any court cases regarding this plot? Y/N

Any written documentation regarding the plot? Y/N

IV. Plot Rights

Now I would like to ask you some questions about the decisions that you make regarding this plot: [enter the relationship code of the person, if someone else]

| | Yourself | Someone else | Yourself with someone else | Yourself with approval by someone else | Is a witness required? | No one. Can't be done |
|--|----------|--------------|----------------------------|--|------------------------|-----------------------|
| Who decides when to harvest the crops on this plot? | | | | | | |
| Does this depend on the crop on this plot? Which crops? | | | | | | |
| | | | | | | |
| | | | | | | |
| Who decides whether and when to sell the crops? | | | | | | |
| Does this depend on the crop? Which crops? | | | | | | |
| | | | | | | |
| | | | | | | |
| Ask the following questions if the person owns the plot, if it is family or stool land, or long term contract | | | | | | |
| Who decides who will inherit this plot? | | | | | | |
| Do you know now who will inherit the land? | | | | | | |
| Who can rent out the land for a season? | | | | | | |
| Who can lend out the land for a season? | | | | | | |
| Who can mortgage the land? | | | | | | |
| Who can pledge the land? | | | | | | |
| who can sell the land? | | | | | | |
| Who can register the land? | | | | | | |

| | | | |
|----------|-----|---------|--------|
| Village` | HHN | Resp ID | Plot # |
| | | | |

Plot Wrap Up

One form to be filled for each of the plots on the respondent's plot list.

1. If someone wanted to buy all of the crops on this land now (even if they are not ready), what would they be worth?

2. Please tell me about each crop you are growing, when you will harvest it, and the total value all of that crop will have when you harvest it.

| Crop | Date to harvest | Final Value of all the crop growing now |
|------|-----------------|---|
| | | |
| | | |
| | | |
| | | |
| | | |

if the respondent is growing the same crop at different stages enter them as different crops (for example, 6a, 6b, 6c)

3. Who did you obtain this plot from? _____ (add to I. roster if not there yet)
4. This plot belongs to which abusua?
 (1) agona (2) asona (3) bretuo (4) asakyiri (5) abrade (6) oyoko (Other) _____
5. Would your spouse be able to farm this plot if you (god forbid) died? Y/N
 If Y for how many years? _____ (99 = as long as they want)
6. Would your children be able to farm this plot if you (god forbid) died? Y/N
 If Y for how many years? _____ (99 = as long as they want)
7. Will you still be able to farm this plot if you and your spouse were to be divorced? Y/N
 If Y for how many years? _____ (99 = as long as they want)
8. Who would get the crops growing on this plot if you were divorced?
 (1) me
 (2) spouse
 (3) share _____% resp _____% spouse

9. Comments:

Problems

Please tell me about any problems you have had on this plot this season (since march):

| Event (use codes, if possible) | Date started | Duration (months) | Crops | % of plot | severity | response | discussed with | value of damage |
|--------------------------------|--------------|-------------------|-------|-----------|----------|----------|----------------|-----------------|
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
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| | | | | | | | | |

ADD ADDITIONAL EVENTS/RESPONSE CODES

Events

- 1 termites
- 2 other insects
- 3 rodents
- 4 grasscutter
- 5 other animal
- 6 wilt
- 7 leaves fall off
- 8 mushroom/fungus
- 9 rotten roots
- 10 rotten crops
- 11 not enough water
- 12 flood
- 13 chemical damage
- 14 planting error
- 15 unidentified disease
- 16 no market for crop
- 17 theft
- 18 bush fire (unintended)

Severity:

- 1 Minor
- 2 Noticable loss
- 3 Significant loss

- 4 Major loss
- 5 Total Crop Failure

Response:

- 1 None
- 2 Replant
- 3 Specific chemicals
- 4 Hand picking
- 5 Stop cultivating
- 6 Uproot affected area
- 7 Uproot entire farm
- 8 Destroy affected crop
- 9 Make traps
- 10 Change seed or variety
- 11 Change method of planting
- 12 Treat seeds before planting
- 13 Treat suckers
- 14 Can watering
- 15 Pump irrigation
- 16 weeding

