

Survey of Agricultural Biodiversity Assessment for Ghana

Selection of interviewees: This questionnaire will be applied together to the male head of household, and to the female that will be interviewed for the Dietary Diversity section. The selection criterion for that woman is as follows: (1) a mother in the household between 15-49 years old with a child aged between 6-59 months. In the case that there are several mothers with children of 6-59 months in the household, thus eligible, choose one of the mothers randomly. Similarly if the selected mother has more than one child in the target age group, chose one of them randomly. If no mother with a child in this age group is present in the household, chose the woman who customarily prepares the food in the household irrespective of age (see additional instructions for the dietary diversity section). Most of the questions about species refer to a specific season of reference (either the wet season 2013 or the dry season 2013/14).

General Information

HHID.a) Household ID: _____

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|---|----------------------|
| HHID.b) Enumerator's name | |
| HHID.c) Date of interview (dd/mm/yyyy) | |
| HHID.d) State | |
| HHID.e) District | |
| HHID.f) Village with ZIP/PIN code | |
| HHID.g) Hamlet's landscape position | upper/ medium/ lower |
| HHID.h) Household ID (give sequential numbers) | |
| HHID.i) Latitude (at least 7 digits) | xx.xxxxx |
| HHID.j) Longitude (at least 7 digits) | xx.xxxxx |
| HHID.k) Elevation (in meters) | |

INF.ID. Information on respondent

| | | | |
|---|--------|---------|-----------|
| INF.ID.a) HH head name | | | |
| INF.ID.b) HH head gender | M | F | |
| INF.ID.c) HH head education (number of years of formal education completed) | | | |
| INF.ID.d) HH head age | | | |
| INF.ID.e) HH head marital status** | Single | Married | Widowed |
| INF.ID.f) HH head spouse status | In hh | absent | no spouse |
| INF.ID.g) Education of each spouse (number of years of formal education completed) | | | |
| INF.ID.h) Relation of respondents to HH head | | | |
| INF.ID.i) Number of spouse | | | |

ABD.1. Annual plant species grown on the farm during the dry season 2013/14 (include field crops only and home garden probe for cereals, roots, tubers, legumes, vegetables, oil crops, fruits, industrial crops (e.g. cotton) (add more sheets if necessary)

ABD 1.0. How many fields/plots did you plant in the dry season 2013/14: _____

| | | Species | Species | Species | Species | Species | Species |
|---|--|---------|---------|---------|---------|---------|---------|
| Please write the name of species | | | | | | | |
| ABD.1.1. For how many years have you been growing this species in this season? | | | | | | | |
| ABD.1.2. Where it was grown during the dry season 2102/13 | Farm=1, kitchen garden=2, other (specify) | | | | | | |
| ABD.1.3. Under what water conditions was it grown? | Rainfed=1, tube-well irrigation=3, canal irrigation=4, other (specify) | | | | | | |
| ABD.1.4. Did you plant the species alone or together with other species in the same field | Monocropping=1, intercropping=2 | | | | | | |
| ABD.1.5. What was the area planted to the species? (not applicable kitchen garden) | Units =ha If the species was monocropped put the area, if intercropped put the total area and the intercropping ratio for each species. | | | | | | |
| ABD.1.6. What was the objective of producing it? | Self-consumption exclusively=1, selling exclusively=2, both self consumption and sale=3, other (specify) | | | | | | |
| ABD.1.7. If consumed, what contribution does the species make to food consumed | Major=3;medium=2; minor=1, no contribution=0 | | | | | | |
| ABD.1.8. If sold, what contribution does the species make to income | Major=3;medium=2; minor=1, no contribution=0 | | | | | | |
| ABD.1.9. What parts of the plant are used (Mark all relevant ones) Mark as many as you use | Seed=1, leaf=2, stem/trunk=3, root=4, flowers=5, bark =6, fruit=7, branches=8 other (specify) | | | | | | |
| ABD.1.10. What were the uses that you give to it? (Mark all relevant ones), Mark as many as you use | Food=1, fodder/animal feed=2, medicine=3, fuel=4, construction material=5; others (specify) | | | | | | |
| ABD.1.11. How did you obtain the seed you planted in the dry season 2013/14? if the answer is exclusively 1, go to question 16, otherwise continue | Saved from own previous harvest=1, obtained outside the farm=2; if answer is 1 go to question 15 | | | | | | |

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|--|---|--|--|--|--|--|--|
| ABD.1.12. If obtained outside the farm in the dry season 2012/13, from whom did you obtain it? | Family=1, neighbor=2, friend=3, public seed trader=4, private seed trader=5, local market=6, government emergency programme =7, NGO=8 other (specify) | | | | | | |
| ABD.1.13. Place indicate the name of the place where you got the seed? | Name of the location (e.g. Bamako) | | | | | | |
| ABD.1.14. If you obtained seed outside the farm, what transaction did you made? | Purchase=1, exchange of seed=2, barter for other goods=3, credit=4, gift=5, other (specify) | | | | | | |
| ABD.1.15. How frequently do you renew the seed of this species? | Every year=1: every 2 years=2; every 3 years=3; never=4; other (Specify). | | | | | | |
| ABD.1.16. Did you give seed to other farmer to be planted farm in the dry season 2012/13 | No=0, yes=1 | | | | | | |
| ABD.1.17. Place indicate the name of the place where you gave the seed? | Name of the place | | | | | | |
| ABD.1.18. How many varieties of this species did you plant in the dry season 2012/13 | number | | | | | | |
| ABD.1.19. How many of those varieties were local? | number | | | | | | |
| ABD.1.20. How many of those varieties were "improved/hybrid? (local term) | number | | | | | | |
| ABD.1.21. Would you want to get other varieties of this species (yes=1, no=0) | No=0, yes=1 | | | | | | |
| ABD.1.22. If yes, what types: | local=1, improved=2, both=3 | | | | | | |
| ABD.1.23. Who takes care of the species? | Husband=1, wife=2, both=3, children=4, other (specify) | | | | | | |
| ABD.1.24. Who makes the decisions about the seed that was planted? | Husband=1, wife=2, both=3, children=4, other (specify) | | | | | | |
| ABD.1.25. Do you agree with this statement: "It is easy to get the seed of the variety I want when I need it" | 5=strongly agree; 4= agree; 3=neutral; 2=disagree; 1=strongly disagree | | | | | | |
| ABD.1.26. Do you agree with the statement "I am satisfied with the quality of the seed I plant" | 5=strongly agree; 4= agree; 3=neutral; 2=disagree; 1=strongly disagree | | | | | | |
| ABD.1.27. Who makes the decisions about the field management of this "species"? | Husband=1, wife=2, both=3, children=4, other (specify) | | | | | | |
| ABD.1.28. Who makes the decisions about | Husband=1, wife=2, both=3, children=4, | | | | | | |

| | | | | | | | |
|---|--|--|--|--|--|--|--|
| the consumption of the "species"? | other (specify) | | | | | | |
| ABD.1.29. Who makes the decisions about the marketing of the "species"? | Husband=1, wife=2, both=3, children=4, other (specify) | | | | | | |
| ABD.1.30. Who makes the decisions about how to use the revenue from the sale of the "species"? | Husband=1, wife=2, both=3, children=4, other (specify) | | | | | | |

ABD.2. Annual plant species grown on the farm during the wet season 2014 (include field crops and home garden probe for probe for cereals, roots, tubers, legumes, vegetables, oil crops, fruits, industrial crops (e.g. cotton) (add more sheets if necessary)

ABD 2.0. How many fields/plots did you plant in the wet season 2014: _____

| | | Species | Species | Species | Species | Species | Species |
|--|---|---------|---------|---------|---------|---------|---------|
| Please write the name of species | | | | | | | |
| ABD.2.1. For how many years have you been growing this species in this season? | | | | | | | |
| ABD.2.2. Where it was grown during the wet season 2013 | Farm=1, kitchen garden=2, other (specify) | | | | | | |
| ABD.2.3. Under what water conditions was grown? | Rain-fed=1, tube-well irrigation=3, canal irrigation=4, other (specify) | | | | | | |
| ABD.2.4. Did you plant the species alone or together with other species in the same field | Monocropping=1, intercropping=2 | | | | | | |
| ABD.2.5. What was the area planted to the species? (not applicable kitchen garden) | Units =ha If the species was monocropped put the area, if intercropped and only the total area is known repeat the total area for each species that was intercropped | | | | | | |
| ABD.2.6. What was the objective of producing it? | Self-consumption exclusively=1, selling exclusively=2, both self-consumption and sale=3, other (specify) | | | | | | |
| ABD.2.7. If consumed, what contribution does the species make to food consumed | Major=3;medium=2; minor=1, no contribution=0 | | | | | | |
| ABD.2.8. If sold, what contribution does the species make to income | Major=3;medium=2; minor=1, no contribution=0 | | | | | | |
| ABD.2.9. What parts of the plant are used | Seed=1, leaf=2, stem/trunk=3, root=4, | | | | | | |

| | | | | | | | |
|--|--|--|--|--|--|--|--|
| (Mark all relevant ones) | flowers=5, bark =6, fruit=7, branches=8, other (specify) | | | | | | |
| ABD.2.10. What were the uses that you give to it? (Mark all relevant ones), | Food=1, fodder/animal feed=2, medicine=3, fuel=4, construction material=5; others (specify) | | | | | | |
| ABD.2.11. How did you obtain the seed you planted in the wet season 2013? if the answer is exclusively 1, go to question 16, otherwise continue | Saved from own previous harvest=1, obtained outside the farm=2 (if answer is 1, go to question 15) | | | | | | |
| ABD.2.12. If obtained outside the farm in the wet season 2013, from who did you obtain it? | Family=1, neighbor=2, friend=3, public seed trader=4,private seed trader=5, local market=6, government emergency programme =7, NGO=8 other (specify) | | | | | | |
| ABD.2.13. Place indicate the name of the place where you got the seed? | Name of the location (e.g. Bamako) | | | | | | |
| ABD.2.14. If you obtained seed outside the farm, what transaction did you made? | Purchase=1, exchange of seed=2, barter for other goods=3, credit=4, gift=5, other (specify) | | | | | | |
| ABD.2.15. How frequently do you renew the seed of this species? | Every year=1: every 2 years=2; every 3 years=3; never=4; other (Specify). | | | | | | |
| ABD.2.16. Did you give seed to other farmer to be planted farm in the wet season 2013 | No=0, yes=1 | | | | | | |
| ABD.2.17. Place indicate the name of the place where you gave the seed? | Name of the place | | | | | | |
| ABD.2.18. How many varieties of this species did you plant in the wet season 2013 | number | | | | | | |
| ABD.2.19. How many of those varieties were local? | number | | | | | | |
| ABD.2.20. How many of those varieties were "improved/hybrid? (local term) | number | | | | | | |
| ABD.2.21. Would you want to get other varieties of this species (yes=1, no=0) | No=0, yes=1 | | | | | | |
| ABD.2.22. If yes, what types: | local=1, improved=2, both=3 | | | | | | |
| ABD.2.23. Do you agree with this statement: "It is easy to get the seed of the variety I want when I need it" | 5=strongly agree; 4= agree; 3=neutral; 2=disagree; 1=strongly disagree | | | | | | |
| ABD.2.24. Do you agree with the statement "I am satisfied with the quality of the seed I plant" | 5=strongly agree; 4= agree; 3=neutral; 2=disagree; 1=strongly disagree | | | | | | |

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|---|--|--|--|--|--|--|--|
| ABD.2.25. Who takes care of the species? | Husband=1, wife=2, both=3, children=4, other (specify) | | | | | | |
| ABD.2.26. Who makes the decisions about the seed that was planted? | Husband=1, wife=2, both=3, children=4, other (specify) | | | | | | |
| ABD.2.27. Who makes the decisions about the field management of this “species”? | Husband=1, wife=2, both=3, children=4, other (specify) | | | | | | |
| ABD.2.28. Who makes the decisions about the consumption of the “species”? | Husband=1, wife=2, both=3, children=4, other (specify) | | | | | | |
| ABD.2.29. Who makes the decisions about the marketing of the “species”? | Husband=1, wife=2, both=3, children=4, other (specify) | | | | | | |
| ABD.2.30. Who makes the decisions about how to use the revenue from the sale of the “species”? | Husband=1, wife=2, both=3, children=4, other (specify) | | | | | | |

ABD.3. Perennial plant species (food—fruit, leaves, pods—and agro-forestry—fodder, fuel, house construction, industry, etc.) maintained during 2014 (add more sheets if necessary)

| | | Species | Species | Species | Species | Species | Species |
|---|--|---------|---------|---------|---------|---------|---------|
| Please write the name of species | | | | | | | |
| ABD.3.1. For how many years have you been growing this species? | | | | | | | |
| ABD.3.2. Where is it located? | Farm=1, kitchen garden=2, common lands=3, other (specify) | | | | | | |
| ABD.3.3. Under what water conditions was grown? | Rainfed=1, tube-well irrigation=3, canal irrigation=4, other (specify) | | | | | | |
| ABD.3.4. Did you harvest it at any time during 2013? | No=0, Yes=1 | | | | | | |
| ABD.3.5. What was the objective of harvesting it? | Self-consumption exclusively=1, selling exclusively=2, both self-consumption and sale=3 | | | | | | |
| ABD.3.6. If consumed, what contribution does the species make to food consumed | Major=3;medium=2; minor=1, no contribution=0 | | | | | | |
| ABD.3.7. If sold, what contribution does the species make to income | Major=3;medium=2; minor=1, no contribution=0 | | | | | | |
| ABD.3.8. What parts do you use? (Mark all relevant ones) | Seed=1, leaf=2, stem/trunk=3, root=4, flowers=5, bark =6, fruit=7, branches=8, other (specify) | | | | | | |

| | | | | | | | |
|---|---|--|--|--|--|--|--|
| ABD.3.9. What products did you harvest/obtained from it? (Mark all relevant ones) | Food=1, fodder/animal feed=2, medicine=3, fuel=4, construction material=5; others (specify) | | | | | | |
| ABD.3.10. What was the number of trees? Or area for grasses | | | | | | | |
| ABD.3.11. How many varieties of this "species" did you plant last year? | | | | | | | |
| ABD.3.12. How many of those varieties are local? | | | | | | | |
| ABD.3.13. How many of those varieties are "improved? (local term) | | | | | | | |
| ABD.3.14. How did you obtain the original seed/ planting material? | Need to fill in categories (include inheritance) | | | | | | |
| ABD.3.15. What transaction did you made? | Purchase=1, exchange of seed=2, barter for other goods=3, credit=4, gift=5, other (specify) | | | | | | |
| ABD.3.16. Did you give seed /planting material to others in the last three years (2010-12)? | No=0, yes=1 | | | | | | |
| ABD.3.17. Who takes care of the species? | Husband=1, wife=2, both=3, children=4, other (specify) | | | | | | |
| ABD.3.18. Who makes the decisions about the field management of this "species"? | Husband=1, wife=2, both=3, children=4, other (specify) | | | | | | |
| ABD.3.19. Who makes the decisions about the harvesting of the "species"? | Husband=1, wife=2, both=3, children=4, other (specify) | | | | | | |
| ABD.3.20. Who makes the decisions about the uses of the "species"? | Husband=1, wife=2, both=3, children=4, other (specify) | | | | | | |
| ABD.3.21. Who makes the decisions about the sale for various products from species? | Husband=1, wife=2, both=3, children=4, other (specify) | | | | | | |
| ABD.3.22. Who makes the decisions about how to use the revenue from the sale of the "species"? | Husband=1, wife=2, both=3, children=4, other (specify) | | | | | | |

ABD.4. Wild or semi-wild species harvested from natural vegetation (add more sheets if necessary)

Please indicate which wild or semi-wild crops you collected and or marketed during the dry season of 2013/14

| | | Species | Species | Species | Species | Species | Species |
|--|--|---------|---------|---------|---------|---------|---------|
| Please write the name of species | | | | | | | |
| ABD.4.1. What was the objective of harvesting it? | Self-consumption exclusively=1, selling exclusively=2, both self-consumption and sale=3 | | | | | | |
| ABD.4.2. If consumed, what contribution does the species make to food consumed | Major=3;medium=2; minor=1, no contribution=0 | | | | | | |
| ABD.4.3. If sold, what contribution does the species make to income | Major=3;medium=2; minor=1, no contribution=0 | | | | | | |
| ABD.4.4. What products did you harvest/obtained from it? (Mark all relevant ones) | Food=1, fodder/animal feed=2, medicine=3, fuel=4, construction material=5; others (specify) | | | | | | |
| ABD.4.5. What parts of the plant are harvested/use (Mark all relevant ones) | Seed=1, leaf=2, stem/trunk=3, root=4, flowers=5, bark =6, fruit=7, branches=8, other (specify) | | | | | | |
| ABD.4.6. Who harvested it? | Husband=1, wife=2, both=3, children=4, other (specify) | | | | | | |
| ABD.4.7. Who makes the decisions about the use of the species? | Husband=1, wife=2, both=3, children=4, other (specify) | | | | | | |
| ABD.4.8. If sold, who makes the decisions about how to use the revenue from the sale of the "species" | Husband=1, wife=2, both=3, children=4, other (specify) | | | | | | |

Please indicate which wild or semi-wild crops you collected and or marketed during the wet season of 2014

| | | Species | Species | Species | Species | Species | Species |
|--|---|---------|---------|---------|---------|---------|---------|
| Please write the name of species | | | | | | | |
| ABD.4.9. What was the objective of harvesting it? | Self-consumption exclusively=1, selling exclusively=2, both self-consumption and sale=3 | | | | | | |
| ABD.4.10. If consumed, what contribution does the species make to food consumed | Major=3;medium=2; minor=1, no contribution=0 | | | | | | |
| ABD.4.11. If sold, what contribution does the species make to income | Major=3;medium=2; minor=1, no contribution=0 | | | | | | |
| ABD.4.12. What products did you | Food=1, fodder/animal feed=2, medicine=3, | | | | | | |

| | | | | | | | |
|---|--|--|--|--|--|--|--|
| harvest/obtained from it? (Mark all relevant ones) | fuel=4, construction material=5; others (specify) | | | | | | |
| ABD.4.13. What parts of the plant are harvested/used | Seed=1, leaf=2, stem/trunk=3, root=4, flowers=5, bark =6, fruit=7, branches=8, other (specify) | | | | | | |
| ABD.4.14. (Mark all relevant ones) | | | | | | | |
| ABD.4.15. Who harvested it? | Husband=1, wife=2, both=3, children=4, other (specify) | | | | | | |
| ABD.4.16. Who makes the decisions about the use of the species? | Husband=1, wife=2, both=3, children=4, other (specify) | | | | | | |
| ABD.4.17. If sold, who makes the decisions about how to use the revenue from the sale of the "species" | Husband=1, wife=2, both=3, children=4, other (specify) | | | | | | |

ABD.5. Domesticated animal species maintained by the household during the dry season of 2013/14 (add more sheets if necessary)

| | | Species | Species | Species | Species | Species | Species |
|--|--|---------|---------|---------|---------|---------|---------|
| Please write the name of species | | | | | | | |
| ABD.5.1. For how many years have you been rearing this species? | | | | | | | |
| ABD.5.2. How many animals of this species do you own during the dry season 2012/13? | | | | | | | |
| ABD.5.3. What products do you derive from this species during the dry season 2012/13? | Milk=1, dung for fuel=2, dung as fertilizer=3, hides=4; others (specify) | | | | | | |
| ABD.5.4. What were the objectives for the products derived from this species? (This can be answered by product) | Direct use by household=1, for sale=2; both=3, other=4 (specify) | | | | | | |
| ABD.5.5. If consumed, what contribution does the species make to food consumed | Major=3;medium=2; minor=1, no contribution=0 | | | | | | |
| ABD.5.6. If sold, what contribution does the species make to income | Major=3;medium=2; minor=1, no contribution=0 | | | | | | |
| ABD.5.7. How many breeds of this species did you maintain during the dry season 2012/13? | | | | | | | |
| ABD.5.8. How many of these breeds are local? | | | | | | | |
| ABD.5.9. How many of these breeds are "improved" | | | | | | | |
| ABD.5.10. How many of these breeds are a mixture | | | | | | | |

| | | | | | | | |
|---|--|--|--|--|--|--|--|
| of local and "improved" | | | | | | | |
| ABD.5.11. How many of these breeds are a mixture of different local breeds? | | | | | | | |
| ABD.5.12. Did you purchase any during the dry season 2012/13? | No=0, Yes=1 | | | | | | |
| ABD.5.13. If yes, how many did you purchase during the dry season 2012/13 | | | | | | | |
| ABD.5.14. Did you sell during the dry season 2012/13? | No=0, Yes=1 | | | | | | |
| ABD.5.15. If yes, how many did you sell during the dry season 2012/13? | Number | | | | | | |
| ABD.5.16. To whom? | Fill in categories | | | | | | |
| ABD.5.17. Place indicate the name of the place where you sold them | Name of the place | | | | | | |
| ABD.5.18. Did you participate in animal fairs for buying/selling during the dry season 2012/13 | Fill in categories | | | | | | |
| ABD.5.19. Who took care of the species during the dry season 2012/13? | Husband=1, wife=2, both=3, children=4, other (specify) | | | | | | |
| ABD.5.20. Who makes the decisions about the management of this "species"? | Husband=1, wife=2, both=3, children=4, other (specify) | | | | | | |
| ABD.5.21. Who makes the decisions about the uses of the "species"? | Husband=1, wife=2, both=3, children=4, other (specify) | | | | | | |
| ABD.5.22. Who makes the decisions about the sale for various products from species? | Husband=1, wife=2, both=3, children=4, other (specify) | | | | | | |
| ABD.5.23. Who makes the decisions about how to use the revenue from the sale of the "species"? | Husband=1, wife=2, both=3, children=4, other (specify) | | | | | | |

ABD.6. Wild animal species hunted by the household throughout 2013 (add more sheets if necessary)

| | | | | | | | |
|---|----------------------------|---------|---------|---------|---------|---------|---------|
| | | Species | Species | Species | Species | Species | Species |
| Please write the name of species | | | | | | | |
| ABD.6.1. For how many years have you been hunting this species? | Number of years | | | | | | |
| ABD.6.2. How many animals of this species have you killed in 2013? | | | | | | | |
| ABD.6.3. What products do you derive from this | Trophy=1, hides/leather=2, | | | | | | |

| | | | | | | | |
|--|--|--|--|--|--|--|--|
| species in 2013? | bones=3, others =4(specify) | | | | | | |
| ABD.6.4. What are the objectives for the products derived from this species? | Direct use by household=1, for sale=2; both=3, other=4 (specify) | | | | | | |
| ABD.6.5. If consumed, what contribution does the species make to food consumed | Major=3;medium=2; minor=1, no contribution=0 | | | | | | |
| ABD.6.6. If sold, what contribution does the species make to income | Major=3;medium=2; minor=1, no contribution=0 | | | | | | |
| ABD.6.7. Did you purchase this animal in 2013? | No=0, Yes=1 | | | | | | |
| ABD.6.8. If yes, how many did you purchase in 2013? | | | | | | | |
| ABD.6.9. Did you sell in 2013? | No=0, Yes=1 | | | | | | |
| ABD.6.10. If yes, how many did you sell 2013? | number | | | | | | |
| ABD.6.11. To whom? | Fill in categories | | | | | | |
| ABD.6.12. Place indicate the name of the place where you sold them | number | | | | | | |
| ABD.6.13. Who hunt this species in the household? | Husband=1, wife=2, both=3, children=4, other (specify) | | | | | | |
| ABD.6.14. Who makes the decisions about the uses of the "species"? | Husband=1, wife=2, both=3, children=4, other (specify) | | | | | | |
| ABD.6.15. Who makes the decisions about the sale for various products from species? | Husband=1, wife=2, both=3, children=4, other (specify) | | | | | | |
| ABD.6.16. Is there any taboo about this species in the village | No=0, Yes=1 | | | | | | |
| ABD.6.17. If yes, please specify | Fill in categories | | | | | | |

SOECO.7. Socioeconomic data

SOECO.7.1. Family size

Please fill the number of members of the household by age and gender

| age class | male | female | age classes | Male | female | | Male | female |
|-----------------------|------|--------|--------------------------------|------|--------|------------------------|------|--------|
| SOECO.7.1.1. 6 months | | | SOECO.7.1.2. 6months-59 months | | | SOECO.7.1.3.)5-6yrs | | |
| SOECO.7.1.4. 7-9 yrs | | | SOECO.7.1.5. 10-15 yrs | | | SOECO.7.1.6. 16-60 yrs | | |
| SOECO.7.1.7. >60 yrs | | | X | X | X | | X | X |

SOECO.7.1.7. How many of the household members between 16-60 years live in the village less than nine months a year: _____

SOECO.7.1.8. How many of them do so in order to work and are men (not to study): _____

SOECO.7.1.9. How many of them do so in order to work and are women (not to study): _____

SOECO.7.2. Land owned and cultivated (hectare, put "nr" if not relevant)

| Gender | SOECO.7.2.1. owned | SOECO.7.2.2. shared in | SOECO.7.2.3. shared out | SOECO.7.2.4. rented in | SOECO.7.2.5. rented out | SOECO.7.2.6. total cultivated |
|---------|--------------------|------------------------|-------------------------|------------------------|-------------------------|-------------------------------|
| Husband | | | | | | |
| Wife | | | | | | |
| Joint | | | | | | |

SOECO.7.3. Other owned, land use/ land cover (hectare)

| gender | SOECO.7.3.1. fallow | SOECO.7.3.2. waste land | SOECO.7.3.3. grazing land | SOECO.7.3.4. trees/forest | SOECO.7.3.5. others | SOECO.7.3.6. total non-cultivated |
|---------|---------------------|-------------------------|---------------------------|---------------------------|---------------------|-----------------------------------|
| Husband | | | | | | |
| Wife | | | | | | |
| Joint | | | | | | |

SOECO.7.4. Access, quality, quantity, and management of water resources (Put “X” if relevant and “nr” if not relevant)

| Item | Sources of water | | | | | |
|-----------------------------------|---------------------|-----------------------|-----------------------|----------------------|---------------------|-------------------|
| | SOECO.7.4.1. Canals | SOECO.7.4.2. Openwell | SOECO.7.4.3. Borewell | SOECO.7.4.4. Streams | SOECO.7.4.5. Rivers | SOECO.7.4.6. Dams |
| a) privately owned (nr) | | | | | | |
| b) communally owned(nr) | | | | | | |
| e) who owns (male, female, joint) | m---f---j | m---f---j | m---f---j | m---f---j | m---f---j | m---f---j |

SOECO.7.5. Housing (need to check to adjust to local context)

| | |
|---|---------|
| <p>SOECO.7.5.1. Observe/Note the type of floor of household's main residence (Interviewer to observe)</p> <p>Earth floor=1, stone=2, cement=3, tile=4, wood=5, other (specify)</p> | / ___ / |
| <p>SOECO.7.5.2. Observe/Note the type of wall of household's main residence (Interviewer to observe)</p> <p>Wood=1, earth wall=2, iron sheet=3, stone=4, other (specify)</p> | / ___ / |
| <p>SOECO.7.5.3. Observe/ note the roofing material of household's main residence (Interviewer to observe)</p> <p>Straw/grass=1, iron sheet=2, tile=3, other (specify)</p> | / ___ / |
| <p>SOECO.7.5.4. Do you have electricity in your house?</p> <p>No=0, Yes (from Power company)=1, Yes (from generator)=2</p> | / ___ / |
| <p>SOECO.7.5.5. If no electricity, what is your main source of energy for the lighting of your house?</p> <p>Oil/paraffin=1, gas=2, solar=3, other (specify)</p> | / ___ / |

SOECO.7.6. Ownership of consumer goods (need to check to adjust to the local context)

Do any of the household members own any of the following items (Observe/Ask)

| Items | Yes=1, No=2 | Number | Items | Yes=1, No=2 | Number | Items | Yes=1, No=2 | Number |
|------------------------|-------------|--------|------------------|-------------|--------|-------------------------------|-------------|--------|
| SOECO.7.6.1) Bicycle | / | / | CD player | / | / | SOECO.7.6.5) Business vehicle | / | / |
| SOECO.7.6.2) Motorbike | / | / | Television | / | / | SOECO.7.6.6) Paraffin stove | / | / |
| SOECO.7.6.3) Car | / | / | Cell/mobile phon | / | / | SOECO.7.6.7) Gas cooker | / | / |
| SOECO.7.6.4) Radio | / | / | Refrigerator | / | / | | / | / |

SOECO.7.7. Household sources of income: Please indicate from which of these sources your household obtains a monetary income

| Activités | Source income Mark (✓) if yes | Who contributes. Mark all relevant ones | Who manages the revenue. Mark all relevant ones |
|--|----------------------------------|---|---|
| Activities | | M / F / C | M / F / C |
| SOECO.7.7.1) crop main products | | M / F / C | M / F / C |
| SOECO.7.7.2) crop residues | | M / F / C | M / F / C |
| SOECO.7.7.3) other feeds or forages | | M / F / C | M / F / C |
| SOECO.7.7.4) livestock sale | | M / F / C | M / F / C |
| SOECO.7.7.5) livestock products sell (e.g milk) | | M / F / C | M / F / C |
| SOECO.7.7.6) agricultural labor | | M / F / C | M / F / C |
| SOECO.7.7.7) other non agric-labor | | M / F / C | M / F / C |
| SOECO.7.7.8) regular employment | | M / F / C | M / F / C |
| SOECO.7.7.9) business -self employed | | M / F / C | M / F / C |
| SOECO.7.7.10) remittance | | M / F / C | M / F / C |
| SOECO.7.7.11) others | | M / F / C | M / F / C |
| | | M / F / C | M / F / C |
| | | M / F / C | M / F / C |
| | | M / F / C | M / F / C |
| | | | |

SOECO.7.8. Market participation

Foods, groceries, clothes, agricultural products, agricultural inputs, and animals (physical location where people go to trade, both selling and buying)

| | | | | | |
|---|---|-------------------------|-------------------------|-------------------------|-------------------------|
| Which markets do you participate in/go to? For what purpose do you go to that market? Which means of transportation is used? What is the distance between your village and the markets? How much time do you take to go to each market? | | Market 1 | Market 2 | Market 3 | Market 4 |
| | SOECO.7.8.1. Market name | | | | |
| | SOECO.7.8.2. Food | Buy /__ / Sell /__ / |
| | SOECO.7.8.3. Seeds and planting material | Buy /__ / Sell /__ / |
| | SOECO.7.8.4. Other agricultural inputs | Buy /__ / Sell /__ / |
| | SOECO.7.8.5. Animals | Buy /__ / Sell /__ / |
| | SOECO.7.8.6. Other (specify) | Buy /__ / Sell /__ / |
| | SOECO.7.8.7. Mean of transportation | | | | |
| | SOECO.7.8.8. Distance to market (Km) | | | | |
| | SOECO.7.8.9. Time (village to market) | /__ /__ / Hrs Min |
| SOECO.7.8.10. Freq (15days) | | | | | |
| | | | | | |
| | | | | | |

SOECO.7.9. Ethnic group membership, roles in the community (need to check to adjust to the local context)

| | | | |
|---------------------|----------------------------|--|-----|
| SOECO.7.9.1. | Ethnic group | Dagaba =1, Sisaala =2; Wala/Wali =3, Birifor=4, Hausa=5, Moore=6, Kantosi=7, Other=7 (specify) | / / |
| SOECO.7.9.2. | Roles in the community | Yes=1; No=0 | / / |
| SOECO.7.9.3. | Leadership role | Yes=1; No=0 | / / |
| SOECO.7.9.4. | Griot | Yes=1; No=0 | / / |
| SOECO.7.9.5. | Blacksmith | Yes=1; No=0 | / / |
| SOECO.7.9.6. | social activist (e.gender) | Yes=1; No=0 | / / |
| SOECO.7.9.7. | environmental activist | Yes=1; No=0 | / / |

SOECO.7.10. Social networking (need to check to adjust to the local context)

| Group category | Is there a group in your community? | Do you or someone in your household participate in the group? | Who is active member of this group in the hh? |
|--|-------------------------------------|---|---|
| SOECO.7.10.1. Agricultural/livestock/fisheries producers group, including marketing | yes/no | yes/no | m...f...j |
| SOECO.7.10.2. Water users group | yes/no | yes/no | m...f...j |
| SOECO.7.10.3. Forest users group | yes/no | yes/no | m...f...j |
| SOECO.7.10.4. Credit or microfinance group | yes/no | yes/no | m...f...j |
| SOECO.7.10.5. Mutual help/insurance group (including burial societies) | yes/no | yes/no | m...f...j |
| SOECO.7.10.6. Trade and business association | yes/no | yes/no | m...f...j |
| SOECO.7.10.7. Civic group (improving community or charitable group (helping others)) | yes/no | yes/no | m...f...j |
| SOECO.7.10.8. Local government | yes/no | yes/no | m...f...j |
| Religious group | yes/no | yes/no | m...f...j |
| Self-help group | yes/no | yes/no | m...f...j |
| Village federation | yes/no | yes/no | m...f...j |
| Youths sanghams/clubs | yes/no | yes/no | m...f...j |
| Connection with neighboring villagers | yes/no | yes/no | m...f...j |
| Others (specify) | yes/no | yes/no | m...f...j |

SOECO.7.11. Participation in government and non-government programs

Need to identify a list of government and non-government programs that provide households with food, cash, work, credit, etc. and ask whether household participated or not in each one. And revise.

| Program | Do you or someone in your household participate in the program? |
|----------------|---|
| SOECO.7.11.1. | yes/no |
| SOECO.7.11.2. | yes/no |
| SOECO.7.11.3. | yes/no |
| SOECO.7.11.4. | yes/no |
| SOECO.7.11.5. | yes/no |
| SOECO.7.11.6. | yes/no |
| SOECO.7.11.7. | yes/no |
| SOECO.7.11.8. | yes/no |
| SOECO.7.11.9. | yes/no |
| SOECO.7.11.10. | yes/no |
| SOECO.7.11.11. | yes/no |

RISK.1. Risk Attitudes

RISK.1.1. How would you describe yourself (choose only one)

RISK.1.1.a. I adopt a new crop, even if nobody else has grown it..... ()

RISK.1.1.b. I adopt a new crop, if I have seen others growing it before me. ()

RISK.1.1.c. I never adopt a new crop, even if I have seen others growing it. ()

RISK.1.2. Which of the statements below best describes your attitude toward risk (**choose only one**)

RISK.1.2.a. One should be extremely careful about making changes in life... ()

RISK.1.2.b. Caution is more important than risk-taking in order to be successful.... ()

RISK.1.2.c. Risk-taking is more important than caution in order to be successful.... ()

RISK.1.2.d. You will never achieve anything in life unless you act boldly and take risks..... ()