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# **IMPACT EVALUATION OF ETHIOPIA STRENGTHENING LAND TENURE AND ADMINISTRATION PROGRAM (ELTAP)/ETHIOPIA LAND ADMINISTRATION PROGRAM (ELAP)**

**HOUSEHOLD SURVEY  
2012**

2012

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## **DISCLAIMER**

The Cloudburst Group has provided minor updates to variable identifiers to improve usability. No additional content changes were made to the original survey.

## **ELTAP/ELAP: Baseline Household Questionnaire**

*Introduction: the purpose of this survey is to generate a database that will help to measure the effects of land registration and title certification by comparing the present situation and changes observed after some future time in the sample households drawn from selected program kebeles.*

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### **Segment A: Identification**

**A1:** Endline household ID): (**hh\_id**)

**A2:** Round of baseline data collection: (**bround**)

**A3:** Region (**killil**)

**A4:** Zone (**zone**)

**A5:** Woreda ID (**woreda**)

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### **Segment 3: Demographic and Socio-economic Issues**

**8.** Sex of interviewee (male =1, female = 2) (**bsex**)

**9.** Age of interviewee (No): (**bage**)

**10.** Family Size (all household members including interviewee) (**bfamilysize**)

**11.** Number of Females less than 10 years old. (**Bnumfema**)

**12.** Number of Females 10 to 13 years old (**bnumfemb**)

**13.** Number of Females 14 and above years old (**bnumfemc**)

**14.** Number of Males less than 10 years old. (**bnummalea**)

**15.** Number of Males 10 to 13 years old. (**bnummaleb**)

**16.** Number of Males 14 and above years old. (**bnummalec**)

**17.** Marital status of interviewee (**bmaristat**) (Unmarried=1, Married=2, Divorced =3, Widow/Widower=4, 97=Other)

**18.** What TYPE of family is this household? (**type\_hh**)

**19.** Educational status of household head .(**bedustathhh**) (illiterate=1, read only=2, read & write=3, Grade 4 complete =4, Grade 8 complete = 5, Grade 10-12 complete = 6; above grade 12= 7)

**20.** Educational status of the (primary) spouse (**bedustatsp**) (illiterate=1, read only=2, read & write=3, Grade 4 complete=4, Grade 8 complete=5, Grade 10-12 complete=6 above grade 12= 7)

**21.** Secondary economic activity of the household members, if any, (**bsececonact**)

**22.** How much money or money equivalent income did the household earn from this/these secondary economic activity/ies during the past one year, namely, from Yekatit 2002 to Tir 2004, in Birr?

**(bsececoninc)**

**23.** How many plots of land does your household possess? **(bplotno)**

**24.** Does your HH possess land in urban areas or kebeles surrounding urban areas? **(urbparcl)**

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### **PARCEL ROSTER**

*Enumerator: ask the interviewee the number of land parcels he currently owns, the size of the parcels, how he acquired them, and when. Write the area in hectare and indicate the amount and name of the local unit in the bracket.*

<b>23(a-n)</b>	<b>25(a-n)</b>	<b>26(a-n)</b>	<b>27(a-n)</b>	<b>28(a-n)</b>	<b>29(a-n)</b>
Plot ID	Parcel area (ha)	Area in local unit	Name of local area unit	How was parcel acquired?	When was it acquired? (yr in Eth. Cal.)
<b>plot_id (1-14)</b>	<b>p_area_hect (1-14)</b>	<b>size_local (1-14)</b>	<b>local_unit (1-14)</b>	<b>p_acq (1-14)</b>	<b>p_yracq (1-14)</b>
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					

## **PARCEL ROSTER (cont.)**

*Enumerator: ask the interviewee the number of land parcels he currently owns, the size of the parcels, how he acquired them, and when. Write the area in hectare and indicate the amount and name of the local unit in the bracket.*

	<b>30(a-n)</b>	<b>31(a-n)</b>	<b>32(a-n)</b>	<b>33(a-n)</b>	<b>34(a-n)</b>
	Who possesses parcel?	Who has certificate for parcel?	Who decides what crops to grow on parcel?	Who decides on the use of produced from parcel?	Who decides on the transfer for parcel?
	<b>p_poss(1-14)</b>	<b>p_cert(1-14)</b>	<b>p_decidegrow(1-14)</b>	<b>p_decideuse(1-14)</b>	<b>p_decidettransfer(1-14)</b>
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					

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#### Segment 4: Land Possession and Land Use

- 37. Is your father alive? (Yes =1, No = 0) **(fathal)**
- 38. If the answer is 'No', what happened to his land? **(fathland)**
- 39. If bequeathed, how was the land divided? **(bbeqdiv)**
- 40. Does your household possess land for ANNUAL crop production? **(bannland)** (Yes =1, No = 0)
- 41. State the total size of land used for ANNUAL crop production in hectare **(bannlandsize)**. .
- 42. Does your household possess land for PERENNIAL crop production? **(bperland)** (Yes =1, No = 0).
- 43. State the total size of land used for PERENNIAL crop production in hectare **(bperlandsize)**
- 44. Does your household possess land for GARDEN crops production? (Yes =1, No = 0) **(bgardland)**
- 45. State the total size of land used for garden crop production in hectare. **(bgardlandsize)**
- 46. Does your household possess its own pastureland? (Yes =1, No = 0) **(bownpast)**
- 47. State the total size of your household's own pasture land in hectares. **(bownpastsize)**
- 48. Does your household use a COMMON pastureland? (Yes =1, No = 0) **(cpasl)**
- 49. Does your household possess land that is specifically TREE LOT? **(btreelot)** (Yes =1, No 0)
- 50. Does your household possess land under a MAN-MADE tree lot? **(bplantloy)** (Yes =1, No = 0)
- 51. Does your household possess land under NATURALLY GROWN and protected trees? **(bnattree)**  
(Yes =1, No = 0)
- 52. State the total size of land used as TREE LOT in hectare **(btreelotsize)**
- 53. Does your household possess FALLOW LAND temporarily not cultivated? (Yes =1, No = 0)  
**(bfallow)**
- 54. State the total size of the FALLOW LAND under your possession in hectare **(bfallowsize)**

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#### Segment 6: Land Registration

- 55. Does your household possess certificate for the land it makes use of? **(bcert)** (Yes =1, No = 0)
- 56. If yes, which type of certificate does the household have? **(bcertlevel)** (1= First level, 2= Second level, 3= Both first and second level)
- 57. If yes, to whom the land certificate was issued? **(bparchold)**
- 59. If the certificate was issued to both husband and wife, how was the joint nature of the certification confirmed? **(bjoincert)**
- 59b. How is the joint certification confirmed **(bjoinconf)**

60. If the answer is yes to the above, do the two spouses have differential says on the incomes derived from their respective separate units? (**bspoussepinc**) (Yes =1, No = 0)

60b. If yes, spouses keep their respective plots as somewhat separate units? (**bspousep**)

61.0 When was the certificate issued? Year in Eth. Calendar (**bcertyr**)

*Note: This question was asked at ELTAP baseline only, question did not specify if certificate was first or second level*

61.1 When was the FIRST LEVEL certificate issued? Year in Eth. Calendar (**bcertyrfirst**)

*Note: Question asked at ELAP baseline only*

61.2 When was the SECOND LEVEL certificate issued? Year in Eth. Calendar (**bcertyrsecond**)

*Note: Question asked at ELAP baseline only*

62. Has there been any change to the household land holding since the certificate was issued? (**bcertchange**) (Yes =1, No = 0) (If the answer is no, pass to question Number q78)

63. Have you or any member of the household inherited land from someone outside the household? (**binherfr**) (Yes=1, No=0)

64. If yes, when? Year in Eth. Calendar (**binherfryr**)

65. Did you or any member of the household inherited out to a member of the household or to someone outside the household? (**binhert**) (Yes=1, No=0)

66. If yes, When? Year in Eth. Calendar (**binhertyr**)

70. Gift of land to a member of the household or to someone outside the household (**blandgift**) (Yes=1, No=0)

71. If yes, When? Year in Eth. Calendar (**blandgiftyr**)

72. Have you received land obtained from someone due to divorce settlement? (**blanddiv**) (Yes=1, No=0)

73. If yes, When? Year in Eth. Calendar (**blanddivyr**)

74. Did you lose land because of other reasons, e.g. expropriation of part of the land for public purposes or for investors, etc.? (**llandl**) (Yes=1, No=0)

75. If yes, When? Year in Eth. Calendar (**llandyrl**)

76. Have you informed the kebele administration about the change (s)? (**llandinfkl**) (Yes=1, No=0)

77. Has the change been registered in the household's certificate of holding? (**llandregl**) (Yes=1, No=0)

78. Do you know anybody in your community that has died recently? (**bdied**) (Yes=1, No=0)

79. What happened to his/her land? (**bdiedland**)

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## Segment 6: Perception of Land Rights

- 80a.** Do you have the right to use the land under your possession? (**btype\_righta**) (Yes=1, No=0)
- 80b.** Do you have the right to contract/rent/share-out the land under your possession? (**btype\_rightb**)
- 80c.** Do you have heritable rights to the land under your possession? (**btype\_rightc**) (Yes=1, No=0)
- 80d.** Do you have the right to sell the land under your possession? (**btype\_rightd**) (Yes=1, No=0)
- 80e.** Do you have the right to use the land under your possession as collateral to get credit?  
(**btype\_righte**) (Yes=1, No=0)
- 81.** What would you like to do with the farm land under your possession in the future? (**blandfuture**)  
(Continue to use for the same farming =1, make more investment in farming = 2, rent-out the land and engage in another job = 3, live in town but continue farming = 4, If allowed I will sell the land and go for another job = 5)
- 82.** Do you think the land certificate program implemented in your kebele will have positive impact on the following :
- 82.1** Tenure security? (**certimp\_tsec1**) (Yes=1, No=0)
- 82.2.** Investment on land? (**certimp\_Indinv1**) (Yes=1, No=0)
- 82.3** Land renting? (**certimp\_Indrent1**) (Yes=1, No=0)
- 82.4.** Access to credit? (**certimp\_credit1**) (Yes=1, No=0)
- 83.** In the past 24 months, did you take any credit (formal or informal) by using your land as collateral?  
(**bcreditcoll**) (Yes=1, No=0)
- 84.** If yes, from whom did you take credit? (**bcreditcollfrom**) (1= Microfinance institution; 2= Bank; 3=Individual )
- 85.** Do you have communal land (e.g. pasture land, forest land) in your kebele? (**comInd\_keb1**) (Yes=1, No=0)
- 86.** What type of rights do you have on the communal land (e.g. pasture land, forest land) in your kebele?  
(**comInd\_right1**)
- 87.** What change do you suggest regarding the use and management of communal land? (**bchangetocomm**)
- 88.** Do you think that you will lose your existing rights on communal land in the future? (**comInd\_losef1**)  
(Yes=1, No=0)



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## **Segment 7: Engagement in Land Rental/Sharecropping Activities**

Enumerator: please start by asking the existence of experience in land markets in the kebele.

- 89.** Has your household entered an agreement of land renting/sharing out-OUT in the past three years?(**rentout**) (Yes=1, No=0)
- 91.** In the past three years, with whom has your household entered an agreement of land renting/sharing-OUT? (**boutwho**) (A relative =1, A close friend = 2, A person/household that is neither relative nor a friend = 3, Other = 97)
- 92.** State the total size of land rented/shared-OUT in hectare. (**blandoutsize**)
- 93.** Where from is/are the HH(s)/individual(s) to whom your HH rented/shared- OUT its 1<sup>st</sup> largest plot of land? (**boutwhflargest**) (From the same gott =1, from the same Kebele = 2, from the same Woreda = 3, From the Same Zone = 4, from the same Region = 5, from outside of the Region = 6)
- 94.** Where from is/are the HH(s)/individual(s) to whom your HH rented/shared- OUT its 2<sup>nd</sup> largest plot of land? (**boutwhslargest**) (From the same gott =1, from the same Kebele = 2, from the same Woreda = 3, From the Same Zone = 4, from the same Region = 5, from outside of the Region = 6)
- 95.** Where from is/are the HH(s)/individual(s) to whom your HH rented/shared- OUT its 3<sup>rd</sup> largest plot of land? (**boutwhtlargest**) (From the same gott =1, From the same Kebele = 2, From the same Woreda = 3, From the Same Zone = 4, From the same Region = 5, From outside of the Region = 6)
- 96. (96a-f)** For which of the following reasons does your household rent-out/share-out its land?
- a. Shortage of labor? (**breas\_renta**) (Yes=1, No=0)
  - b. Shortage of draft power? (**breas\_rentb**) (Yes=1, No=0)
  - c. Unable to purchase inputs? (**breas\_rentc**) (Yes=1, No=0)
  - d. Renting/sharecropping yields better benefit; (**breas\_rentd**) (Yes=1, No=0)
  - e. Lack of credit? (**breas\_rente**) (Yes=1, No=0)
  - f. Other reasons? (**breas\_rentf**) (Yes=1, No=0)
- 99.** Has the household rented-OUT any of its plots on the basis of monetary/rent payment or sharecropping in-kind during the last 24 calendar months? (**brentout**) (Yes = 1, No = 0)
- 100.** If yes to the above, how many of the household plots are rented-OUT under such arrangements? (No.) (**brentoutnum**)
- 101.** If yes to the foregoing question, for how many years (on the average for the different plots) were these renting-OUT arrangements made? (**brentoutyr**) .
- 102.** How much did your household receive in land RENT payment per year for the land rented-OUT during the last two years? (**brenttotal**).
- 102b.** Amount HH receives in land rent payment per annum for the largest plot (Birr) (**brecrentflargest**)

- I03a.** In the past season, does HH possess land that's rented/shared IN? (Yes = 1, No = 0) (**rentin1**)
- I03b.** state the total size of land rented/shared-in in hectare (**blandinsize**)
- I04a.** Has the household rented-in any plot(s) on the basis of monetary payment? (Yes = 1, No = 0) (**printlease1**)
- I04b.** if yes, how many plots currently being used by HH are rentin-in on basis of monetary payment? (**blandinunspecnum**)
- I05.** If yes to the foregoing question, for how many years(on the average for the) (**blandinunspecyr**)
- I07.** How much did your household pay in land rent per year for the land rented-in (**brentpaidtotal**)
- I07b.** Amount of money household paid in land rent per annum for the largest farm plot.(**brentpaid**)
- I08.** Has the household transferred any of its plots on the basis of unspecified. (**btransplot**)
- I09.** If the HH has ever engaged in any sort of "OUT-transaction" of its land (be it on the basis of rental, sharecropping, or any long term arrangements), was the other spouse consulted beforehand? (**bconsultout**) (Yes = 1, No = 0)
- I10.** If the HH has ever engaged in any sort of "IN-transaction" of its land (be it on the basis of rental, sharecropping, or any long term arrangements), was the other spouse consulted beforehand? (**bconsultin**) (Yes = 1, No = 0)

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### **Segment 8: Land Related Disputes**

*Enumerator: Please, remember that land related disputes, here, do not include disputes regarding afelama, (i.e., grazing one's animals on somebody else's crop or pasture).*

- I11.** Did your household involve in any land related dispute, during the last two years? (**bdispute**) (Yes = 1, No = 0)
- I12.** If yes, in how many land related disputes did your household involve in during the last two years? (**bdisnum**)
- I13.** What type of land related disputes was the most serious one? (**bytpemostser**)
- I14.** Was the dispute resolved? (Yes = 1, No = 0) (**bresmostyesno**)
- I15.** If yes, how was this dispute finally resolved or referred to? (**bresmostser**)
- I16.** For how long did the settlement of this dispute last, to date? (IN MONTHS) (**bdurmostser**)
- I17.** Are you satisfied with the decision made to settle the dispute? (**bresmostsat**)
- I18.** What type of land related disputes was the second serious one? (**btypesecser**)
- I19.** Was the dispute resolved? (Yes = 1, No = 0) (**bressecyesno**)

- I20. If yes, how was this dispute finally resolved or referred to? (**bressecser**)
- I21. For how long did the settlement of this dispute last, to date? (**bdursecser**) (IN MONTHS)
- I22. Are you satisfied with the decision made to settle the disputes? (**bresseccsat**)
- I23. What type of land related disputes was the third serious one? (**btypethirdser**)
- I24. Was the dispute resolved? (Yes = 1, No = 0) (**bthirdresyesno**)
- I25. If yes, how was this dispute finally resolved or referred to? (**bresthirsser**)
- I26. For how long did the settlement of this dispute last, to date? (**bdurthirdser**) (IN MONTHS)
- I27. Are you satisfied with the decision made to settle the dispute? (**bresthirdsat**)

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### **Segment 9: Knowledge of Laws on Land Rights and Governance**

- I28. Are you aware of the existing laws on land rights and obligations? (**bawarelaw**) (Yes = 1, No = 0)
- I29. Do you understand the laws on land rights and obligations? (**bunderlaw**) (Yes = 1, No = 0)
- I29b. Do you know and understand the existing land laws that affect your life? (**bexpect**) (Yes = 1, No = 0)
- I30. Do you think that the existing administrative/ judiciary institutions /arrangements are CAPABLE of enforcing land rights and obligations? (**llawenf1**) (Yes = 1, No = 0)
- I31. Do you think that the existing administrative / judiciary institutions /arrangements are FAIR ENOUGH in enforcing land rights and obligations? (**bcapfair**) (Yes = 1, No = 0)
- I32. How confident are you that the government protects your right of land user? (**bconfpro**) (Very much confident = 1, Confident = 2, Less confident = 3, I have no confidence = 4)
- I33a. Do you think that the existing land laws adequately protect your rights as possessor of land? (**blawpro**) (Yes = 1, No = 0)
- I33b. Are you aware of the existence of laws on land rights and obligations as a farming household? (**bknowlaw**) (Yes = 1, No = 0)

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### **Segment 10: Description of Feelings about Land Tenure and Tenure Security**

*[Enumerator: please do an in-depth-interview of both the husband and wife (meaning, wherever available, both the husband and wife will separately sit for in-depth-interview on feelings about land tenure and tenure security]. (Especially fear of dispossession loss of right by the government due to land redistribution, etc.)*

- I34. Feelings before the issuance of land certificate. (**bfeelpast**)
- I35. Feelings at present (**bfeelpresent**)

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## **Segment 11: Perception of Ownership of Secure and Full Usufruct Rights**

*Enumerator: For the following scale (1) First read out very clearly each of the statements and then the various levels of agreement/disagreement to the respondent. (2) Then circle the values written below the level of agreement/disagreement that is chosen by the respondent for each statement respectively.*

- I36.** I believe that a redistribution of land is likely to take place in my Kebele in the coming five years.  
**(redist\_risk1)**
- I37.** I believe that the land that is currently under my possession will remain within my control or that of my wife/husband or that of my children's' during the coming 15 years. **(inherit\_risk1)**
- I38.** I am fully convinced that I will stand to benefit in the future from whatever soil and/or water conservation measures I may undertake on my land at present. **(conserve\_risk1)**
- I39.** I am fully convinced that I will NOT stand to benefit in the future from trees that I may plant on my land at present. **(tree\_risk1)**
- I40.** I feel that renting out my land for money or on sharecropping basis EVEN FOR ONE CROPPING SEASON is a risky business that I should avoid unless and otherwise I have no other options of overcoming my difficulties. **(rentin1\_risk1)**
- I41.** I feel that renting out my land for money or on sharecropping basis FOR 5 CROPPING SEASON is a risky business that I should avoid unless and otherwise I have no other options of overcoming my difficulties. **(rentin5\_risk1)**
- I42.** I would not be running any risk whatsoever if I rent IN land for money or on a sharecropping FOR ONE CROPPING SEASON **(rentout1\_risk1)**
- I43.** I would not be running any risk whatsoever if I rent IN land for money or on a sharecropping FOR 5 CROPPING SEASONS **(rentout5\_risk1)**
- I44.** I DON'T believe that having a Certificate of Possession is a guarantee of secured hold over one's land. **(certposs\_risk1)**
- I45.** I will feel more secure to enter into any sort of business transaction involving credit if it were with a farmer who has a Certificate of Possession over his land than that who has not. **(certbiz\_risk1)**

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## **Segment 12: Level of Soil Conservation Measures**

- I46.** Do you have farm plots located on sloppy lands where soil erosion caused by water is a problem?  
**(water\_erosion1)** (Yes = 1, No = 0)
- I47.** Length of soil bunds constructed (in meters) by the household itself (using its own resources) to date and existing **(soilbund\_hh1)**.

- I48. Length of stone bunds constructed (in meters) by the household itself (using its own resources) to date and existing (**stonebund\_hhl**)
- I49. Length of hedges constructed (in meters) by the household itself (using its own resources) to date and existing (**hedges\_hhl**).
- I50. Length of vegetation/trash-lines constructed (in meters) by the household itself (using its own resources) to date and existing. (**vegline\_hhl**)
- I51. Length of soil bunds constructed (in meters) by or with the help of others but maintained/protected by the HH (GOs, NGOs, CBOs) to date and existing. (**soilbnd\_othrI**)
- I52. Length of stone bunds constructed (in meters) by or with the help of others but maintained/protected by the HH (GOs, NGOs, CBOs) to date and existing. (**stonbnd\_othrI**).
- I53. Length of hedges constructed (in meters) by or with the help of others but maintained/protected by the HH (GOs, NGOs, CBOs) to date and existing. (**hedges\_othrI**).
- I54. Length of vegetation/trash-lines constructed (in meters) by or with the help of others but maintained/protected by the HH (GOs, NGOs, CBOs) to date and existing (**vegline\_othrI**)
- I55. Length of soil ditches (*dichira*) constructed (in meters) by the household itself (using its own resources) to date and existing (in SNNPR) (**soilditch\_hhl**)
- I56. Length of soil ditches (*dichira*) constructed (in meters) by or with the help of others but maintained/protected by the HH (GOs, NGOs, CBOs) to date and existing (in SNNPR) (**soildditch\_othrI**)
- I57. Length of soil bunds stabilized by planting grasses, trees or bushes on them (in meters) practiced by the household itself (using its own resources) to date and existing (**bndgrass\_hhl**)
- I58. Length of soil bunds stabilized by planting grasses, trees or bushes on them (in meters) practiced by the household with the support of GOs, NGOs, CBOs, to date and existing (**bndgrass\_othrI**)

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### **Segment I3: Water Harvesting and Conservation Measures**

- I59. Do you use irrigation during dry season for production of annual/perennial crops on the land under your possession? (Yes = 1, No = 0) (**irrigationI**)
- I60. Number of on-farm water retention structures (ponds, retention ditches) constructed by the household itself (using its own resources) to date and existing. (**rentent\_hhl**).
- I61. Number of on-farm water retention structures (ponds, retention ditches) constructed by the help of others but maintained/protected by the HH (GOs, NGOs, CBOs) to date and existing (**rentent\_othrI**)

- I62. Length of water harvesting canals constructed by the household itself using its own resources to date and existing. **(canals\_hhI)**
  - I63. Length of water harvesting canals constructed by the help of others but maintained/protected by the HH (GOs, NGOs, CBOs) to date and existing. **(canals\_othrI)**
  - I64. Number of hand-dug shallow wells constructed by the household itself (using its own resources) to date and existing. **(wells\_hhI)** .
  - I65. I Number of hand-dug shallow wells constructed by the help of others but maintained/protected by the HH (GOs, NGOs, CBOs) to date and existing. **(wells\_othrI)**
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#### **Segment I4: Farm Closure/Fencing**

*[Enumerator: Note that the following questions do not refer to or include the homestead]*

- I65. Length of existing dead material fencing around plots (in meters). . . **(bdeadfenc)** .
  - I66. Length of existing live material fencing around plots (in meters). **(blivefenc)**.
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#### **Segment I5: Investment in Perennial Crops**

- I67. Number of coffee plants planted during the last 24 calendar months . **(bnoplanta)** .
- I68. Number of chat plant planted during the last 24 calendar months . **(bnoplantb)** .
- I69. Number of enset plants planted during the last 24 calendar months . **(bnoplantc)**.
- I70. Number of hops (Gesho) plants planted during the last 24 calendar months **(bnoplantd)** .
- I71. Number of sisal plants planted during the last 24 calendar months . **(bnoplane)**
- I72. Number of bamboo plants planted during the last 24 calendar months .**(bnoplantf)**
- I73. Number of surviving (i.e., NINE months plus) NON-FRUIT trees planted during the last 24 calendar months).**(bnosura)** .
- I74. Number of surviving (i.e., NINE months plus) FRUIT trees planted during the last 24 calendar months **(bnosurb)** .
- I75. Number of seedlings of all types of NON-FRUIT trees raised by the household itself during the last 24 calendar months. **(bnoseeda)**.
- I76. Number of seedlings of all types of NON-FRUIT trees bought by the household for own use during the last 24 calendar months **(bnoseedb)** .

- I77.** Number of seedlings of all types of FRUIT trees raised by the household itself during the last 24 calendar months. **(bnoseedc)**
- I78.** Number of seedlings of all types of FRUIT trees bought by the household for own use during the last 24 calendar months. **(bnoseedd)**
- I79.** Number of seedlings of all types of NON-FRUIT trees obtained free of charge by the HH from others (GOs, NGOs, CBOs) during the last 24 calendar months. **(bnoseede)**
- I80.** Number of seedlings of all types of FRUIT trees obtained free of charge from others (GOs, NGOs, CBOs) during the last 24 calendar months. **(bnoseedf)**
- I81.** Number of surviving (i.e., three months plus) INDEGENOUS trees planted during the last 24 calendar months). **(bnosurc)**.

*Definition: indigenous trees are trees naturally grown in the country (study area) and not brought from other countries abroad (exotic) and planted. Example, Olea africana (weyera), Hygenia abyssinica (kosso), etc. but not Eucalyptus (bahirzaf).*

- I82.** On which lands under your possession did you plant trees? **(btypetree)**. (Backyard plots =1, in crop lands (agro-forestry) = 2, boundaries of crop lands =3, plots far away from homestead such as grazing areas = 4, Others (specify)

### **Segment I7: Animals, Animal Products, Production and Sales**

*Please tell us the number of animals that you hold (by type), number of animals you sold and bought, as well as the amount of animal products that you produced and sold (by type) during the past one year, namely from Yekatit 2002 to Tir 2004.*

#### **PART A: Animals**

Type of Animal	Number Currently Owned	Number Sold During the Year	Amount of income earned during the year	Number Bought During the Year	Number Slaughtered for Home Consumption
	<b>I83a.-k.</b>	<b>I84a.-k.</b>	<b>I85a.-k.</b>	<b>I86a.-k.</b>	<b>I87a.-k.</b>
<b>Oxen</b>	qty1	qty_sold1	live1_inc1	qty_bought1	qty_consumed1
<b>Cows</b>	qty2	qty_sold2	live2_inc2	qty_bought2	qty_consumed2
<b>Heifers</b>	qty3	qty_sold3	live3_inc3	qty_bought3	qty_consumed3
<b>Bulls</b>	qty4	qty_sold4	live4_inc4	qty_bought4	qty_consumed4
<b>Calves</b>	qty5	qty_sold5	live5_inc5	qty_bought5	qty_consumed5
<b>Sheep</b>	qty7	qty_sold7	live7_inc7	qty_bought7	qty_consumed7
<b>Goats</b>	qty8	qty_sold8	live8_inc8	qty_bought8	qty_consumed8
<b>Chicken</b>	qty10	qty_sold10	live10_inc10	qty_bought10	qty_consumed10
<b>Equines</b>	qty11	qty_sold11	live11_inc11	qty_bought11	qty_consumed11
<b>Beehives, traditional</b>	qty12	qty_sold12	live12_inc12	qty_bought12	qty_consumed12
<b>Beehives, modern</b>	qty13	qty_sold13	live13_inc13	qty_bought13	qty_consumed13

**PART B: Animal Products**

<b>Type of Animal Product</b>	<b>Quantity Produced during the Year</b>	<b>Quantity Sold During the Year</b>	<b>Amount of income earned during the Year (Birr)</b>
	<b>190a.-h.</b>	<b>191a.-h.</b>	<b>192a.-h.</b>
<b>a. Milk (Liter)</b>	amt_prod1	amt_sold1	amt_income1
<b>b. Butter (Kg)</b>	amt_prod2	amt_sold2	amt_income2
<b>c. Cheese (Kg)</b>	amt_prod3	amt_sold3	amt_income3
<b>d. Egg (No.)</b>	amt_prod4	amt_sold4	amt_income4
<b>e. Meat (Kg)</b>	amt_prod5	amt_sold5	amt_income5
<b>f. Honey (Kg)</b>	amt_prod6	amt_sold6	amt_income6
<b>g. Hides and skin (No.)</b>	amt_prod7	amt_sold7	amt_income7
<b>h. Wool (kg)</b>	amt_prod8	amt_sold8	amt_income8



### Segment 18: Production and Sales of Food and Cash Crops

Please tell us the TYPE of FOOD and CASH crops you produced on your farm and the amount produced as well as sold during the past one crop year, namely from Yekatit 2002 to Tir 2004.

#### PART A: Cereal production and use

Food Item: Cereal	Quantity Produced (Qt)	Quantity Sold (Qt)	Value of Items Sold (Birr)	Quantity given to others (Qt)	Quantity received from others (Qt)**	Quantity purchased (Qt)
	<b>194</b>	<b>195</b>	<b>196</b>	<b>197</b>	<b>198</b>	<b>199</b>
<b>Teff</b>	qty_producedcc1	qty_soldcc1	value_soldcc1	qty_givenccl	qty_recievedcc1	qty_boughtcc1
<b>Maize</b>	qty_producedcc2	qty_soldcc2	value_soldcc2	qty_givenccl2	qty_recievedcc2	qty_boughtcc2
<b>Wheat</b>	qty_producedcc3	qty_soldcc3	value_soldcc3	qty_givenccl3	qty_recievedcc3	qty_boughtcc3
<b>Barley</b>	qty_producedcc4	qty_soldcc4	value_soldcc4	qty_givenccl4	qty_recievedcc4	qty_boughtcc4
<b>Sorghum</b>	qty_producedcc5	qty_soldcc5	value_soldcc5	qty_givenccl5	qty_recievedcc5	qty_boughtcc5
<b>Millet</b>	qty_producedcc6	qty_soldcc6	value_soldcc6	qty_givenccl6	qty_recievedcc6	qty_boughtcc6
<b>Oats</b>	qty_producedcc7	qty_soldcc7	value_soldcc7	qty_givenccl7	qty_recievedcc7	qty_boughtcc7
<b>Dagussa</b>	qty_producedcc8	qty_soldcc8	value_soldcc8	qty_givenccl8	qty_recievedcc8	qty_boughtcc8
<b>Rice</b>	qty_producedcc9	qty_soldcc9	value_soldcc9	qty_givenccl9	qty_recievedcc9	qty_boughtcc9
<b>Sinar-Gerima</b>	qty_producedcc10	qty_soldcc10	value_soldcc10	qty_givenccl10	qty_recievedcc10	qty_boughtcc10
<b>Other cereals</b>	qty_producedcc11	qty_soldcc11	value_soldcc11	qty_givenccl11	qty_recievedcc11	qty_boughtcc11

\*\* Received from others include: Food aid, credit/loan, gift, etc.

#### Part B: Pulses production and use

Food Item: Pulses	Quantity Produced (Qt)	Quantity Sold (Qt)	Value of Items Sold (Birr)	Quantity given to others (Qt)	Quantity received from others (Qt)**	Quantity purchased (Qt)
	<b>201</b>	<b>202</b>	<b>203</b>	<b>204</b>	<b>205</b>	<b>206</b>
<b>Beans</b>	qty_produced_pulse1	qty_sold_pulse1	value_sold_pulse1	qty_given_pulse1	qty_recieved_pulse1	qty_bought_pulse1
<b>Lentils</b>	qty_produced_pulse2	qty_sold_pulse2	value_sold_pulse2	qty_given_pulse2	qty_recieved_pulse2	qty_bought_pulse2
<b>Chick peas</b>	qty_produced_pulse3	qty_sold_pulse3	value_sold_pulse3	qty_given_pulse3	qty_recieved_pulse3	qty_bought_pulse3

<b>Field peas</b>	qty_produced_pulse4	qty_sold_pulse4	value_sold_pulse4	qty_given_pulse4	qty_recieved_pulse4	qty_bought_pulse4
<b>Cow Peas</b>	qty_produced_pulse5	qty_sold_pulse5	value_sold_pulse5	qty_given_pulse5	qty_recieved_pulse5	qty_bought_pulse5
<b>Haricot Beans</b>	qty_produced_pulse6	qty_sold_pulse6	value_sold_pulse6	qty_given_pulse6	qty_recieved_pulse6	qty_bought_pulse6
<b>Vetch</b>	qty_produced_pulse7	qty_sold_pulse7	value_sold_pulse7	qty_given_pulse7	qty_recieved_pulse7	qty_bought_pulse7
<b>Adenguare</b>	qty_produced_pulse8	qty_sold_pulse8	value_sold_pulse8	qty_given_pulse8	qty_recieved_pulse8	qty_bought_pulse8
<b>Fengugreek</b>	qty_produced_pulse9	qty_sold_pulse9	value_sold_pulse9	qty_given_pulse9	qty_recieved_pulse9	qty_bought_pulse9
<b>Other pulses</b>	qty_produced_pulse10	qty_sold_pulse10	value_sold_pulse10	qty_given_pulse10	qty_recieved_pulse10	qty_bought_pulse10
<b>Mash</b>	qty_produced_pulse11	qty_sold_pulse11	value_sold_pulse11	qty_given_pulse11	qty_recieved_pulse11	qty_bought_pulse11
<b>Gibxo</b>	qty_produced_pulse12	qty_sold_pulse12	value_sold_pulse12	qty_given_pulse12	qty_recieved_pulse12	qty_bought_pulse12
** Received from others include: Food aid, credit/loan, gift, etc.						

### Part C: Oil crops production and us

<b>Food Item: Oil crop</b>	<b>Quantity Produced (Qt)</b>	<b>Quantity Sold (Qt)</b>	<b>Value of Items Sold (Birr)</b>	<b>Quantity given to others (Qt)</b>	<b>Quantity received from others (Qt)**</b>	<b>Quantity purchased (Qt)</b>
	<b>208</b>	<b>209</b>	<b>210</b>	<b>211</b>	<b>212</b>	<b>213</b>
<b>Flax</b>	qty_produced_oil1	qty_sold_oil1	value_sold_oil1	qty_given_oil1	qty_recieved_oil1	qty_bought_oil1
<b>Groundnuts</b>	qty_produced_oil2	qty_sold_oil2	value_sold_oil2	qty_given_oil2	qty_recieved_oil2	qty_bought_oil2
<b>Sesame</b>	qty_produced_oil3	qty_sold_oil3	value_sold_oil3	qty_given_oil3	qty_recieved_oil3	qty_bought_oil3
<b>Sunflower</b>	qty_produced_oil4	qty_sold_oil4	value_sold_oil4	qty_given_oil4	qty_recieved_oil4	qty_bought_oil4
<b>Nueg</b>	qty_produced_oil5	qty_sold_oil5	value_sold_oil5	qty_given_oil5	qty_recieved_oil5	qty_bought_oil5
<b>Other oil crops</b>	qty_produced_oil6	qty_sold_oil6	value_sold_oil6	qty_given_oil6	qty_recieved_oil6	qty_bought_oil6
<b>Linseed</b>	qty_produced_oil7	qty_sold_oil7	value_sold_oil7	qty_given_oil7	qty_recieved_oil7	qty_bought_oil7
<b>Ejelefi</b>	qty_produced_oil8	qty_sold_oil8	value_sold_oil8	qty_given_oil8	qty_recieved_oil8	qty_bought_oil8
** Received from others include: Food aid, credit/loan, gift, etc.						

## Part D: Tubers, roots, vegetables and fruit crops production and use

	Type of Crop	Name of Crop	Quantity Produced (Qt)	Quantity Sold (Qt)	Value of Items Sold (Birr)	Quantity given to others (Qt)	Quantity received from others (Qt)**	Quantity purchased (Qt)
	214	215	216	217	218	219	220	221
Enset	cropb_type1	Cropname1	qtyb_produced1	qtyb_sold1	valueb_sold1	qtyb_given1	qtyb_recieved1	qtyb_bought1
Potato	cropb_type2	Cropname2	qtyb_produced2	qtyb_sold2	valueb_sold2	qtyb_given2	qtyb_recieved2	qtyb_bought2
Sweet Potato	cropb_type3	Cropname3	qtyb_produced3	qtyb_sold3	valueb_sold3	qtyb_given3	qtyb_recieved3	qtyb_bought3
Godere	cropb_type5	Cropname5	qtyb_produced5	qtyb_sold5	valueb_sold5	qtyb_given5	qtyb_recieved5	qtyb_bought5
Other tubers.	cropb_type6	Cropname6	qtyb_produced6	qtyb_sold6	valueb_sold6	qtyb_given6	qtyb_recieved6	qtyb_bought6
Onion	cropb_type101	Cropname101	qtyb_produced101	qtyb_sold101	valueb_sold101	qtyb_given101	qtyb_recieved101	qtyb_bought101
Garlic	cropb_type102	Cropname102	qtyb_produced102	qtyb_sold102	valueb_sold102	qtyb_given102	qtyb_recieved102	qtyb_bought102
Tomato	cropb_type103	Cropname103	qtyb_produced103	qtyb_sold103	valueb_sold103	qtyb_given103	qtyb_recieved103	qtyb_bought103
Lettuce	cropb_type104	Cropname104	qtyb_produced104	qtyb_sold104	valueb_sold104	qtyb_given104	qtyb_recieved104	qtyb_bought104
Cabbage	cropb_type106	Cropname106	qtyb_produced106	qtyb_sold106	valueb_sold106	qtyb_given106	qtyb_recieved106	qtyb_bought106
Tikl Gommen	cropb_type107	Cropname107	qtyb_produced107	qtyb_sold107	valueb_sold107	qtyb_given107	qtyb_recieved107	qtyb_bought107
Beet root	cropb_type108	Cropname1	qtyb_produced108	qtyb_sold108	valueb_sold108	qtyb_given108	qtyb_recieved108	qtyb_bought108
Carot	cropb_type109	Cropname1	qtyb_produced109	qtyb_sold109	valueb_sold109	qtyb_given109	qtyb_recieved109	qtyb_bought109
Other veg.	cropb_type110	Cropname110	qtyb_produced110	qtyb_sold110	valueb_sold110	qtyb_given110	qtyb_recieved110	qtyb_bought110
Banana	cropb_type201	Cropname201	qtyb_produced201	qtyb_sold201	valueb_sold201	qtyb_given201	qtyb_recieved201	qtyb_bought201
Orange	cropb_type202	Cropname202	qtyb_produced202	qtyb_sold202	valueb_sold202	qtyb_given202	qtyb_recieved202	qtyb_bought202
Lemon	cropb_type203	Cropname203	qtyb_produced203	qtyb_sold203	valueb_sold203	qtyb_given203	qtyb_recieved203	qtyb_bought203
Papaya	cropb_type204	Cropname204	qtyb_produced204	qtyb_sold204	valueb_sold204	qtyb_given204	qtyb_recieved204	qtyb_bought204
Mango	cropb_type205	Cropname205	qtyb_produced205	qtyb_sold205	valueb_sold205	qtyb_given205	qtyb_recieved205	qtyb_bought205
Zucchini	cropb_type206	Cropname206	qtyb_produced206	qtyb_sold206	valueb_sold206	qtyb_given206	qtyb_recieved206	qtyb_bought206
Pumpkin	cropb_type207	Cropname207	qtyb_produced207	qtyb_sold207	valueb_sold207	qtyb_given207	qtyb_recieved207	qtyb_bought207
Other fruit	cropb_type208	Cropname208	qtyb_produced208	qtyb_sold208	valueb_sold208	qtyb_given208	qtyb_recieved208	qtyb_bought208
Avocado	cropb_type209	Cropname209	qtyb_produced209	qtyb_sold209	valueb_sold209	qtyb_given209	qtyb_recieved209	qtyb_bought209
Collard Greens	cropb_type216	Cropname2016	qtyb_produced216	qtyb_sold216	valueb_sold216	qtyb_given216	qtyb_recieved216	qtyb_bought216

## Part E: Cash crops

Food Item: Cash Crop	Quantity Produced (Qt)	Quantity Sold (Qt)	Value of Items Sold (Birr)	Quantity given to others (Qt)	Quantity received from others (Qt)**	Quantity purchased (Qt)
	<b>223</b>	<b>224</b>	<b>225</b>	<b>226</b>	<b>227</b>	<b>228</b>
<b>Coffee</b>	qty_produced_cashcrop1	qty_sold_cashcrop1	value_sold_cashcrop1	qty_given_cashcrop1	qty_recieved_cashcrop1	qty_bought_cashcrop1
<b>Chat</b>	qty_produced_cashcrop2	qty_sold_cashcrop2	value_sold_cashcrop2	qty_given_cashcrop2	qty_recieved_cashcrop1	qty_bought_cashcrop2
<b>Pepper</b>	qty_produced_cashcrop3	qty_sold_cashcrop3	value_sold_cashcrop3	qty_given_cashcrop3	qty_recieved_cashcrop1	qty_bought_cashcrop3
<b>Sugarcane</b>	qty_produced_cashcrop4	qty_sold_cashcrop4	value_sold_cashcrop4	qty_given_cashcrop4	qty_recieved_cashcrop1	qty_bought_cashcrop4
<b>Cotton</b>	qty_produced_cashcrop5	qty_sold_cashcrop5	value_sold_cashcrop5	qty_given_cashcrop5	qty_recieved_cashcrop1	qty_bought_cashcrop5
<b>Hops</b>	qty_produced_cashcrop6	qty_sold_cashcrop6	value_sold_cashcrop6	qty_given_cashcrop6	qty_recieved_cashcrop1	qty_bought_cashcrop6
<b>Ginger</b>	qty_produced_cashcrop7	qty_sold_cashcrop7	value_sold_cashcrop7	qty_given_cashcrop7	qty_recieved_cashcrop1	qty_bought_cashcrop7
<b>Honey</b>	qty_produced_cashcrop8	qty_sold_cashcrop8	value_sold_cashcrop8	qty_given_cashcrop8	qty_recieved_cashcrop1	qty_bought_cashcrop8
<b>Eucalyptus</b>	qty_produced_cashcrop9	qty_sold_cashcrop9	value_sold_cashcrop9	qty_given_cashcrop9	qty_recieved_cashcrop1	qty_bought_cashcrop9
<b>Other cash crop</b>	qty_produced_cashcrop10	qty_sold_cashcrop10	value_sold_cashcrop10	qty_given_cashcrop10	qty_recieved_cashcrop10	qty_bought_cashcrop10
** Received from others include: credit/loan, gift, etc.						

## Segment 19: Farm Inputs

[Enumerator, wherever appropriate: (1) ask the interviewee the amount of land on which each of the following farm inputs were applied in that crop year, (2) ask the amount of the input in question that was applied in that crop year. (3) Then calculate the amount of input per hectare, and enter the figure in the box provided.]

229. Amount of chemical fertilizer (DAP PLUS Urea) applied per hectare of Cultivated and during the past crop year, namely from Yekatit 2002 to Tir 2004 (in Kg.) **(bchemfert)**
230. Amount of organic fertilizer (manure PLUS compost) applied per hectare of cultivated land during the past crop year, namely from Yekatit 2002 to Tir 2004 (in quintals.) **(borgfert)**
231. Did you sow/ plant IMPROVED seeds/seedlings on your farm during the past cropping season i.e. from Yekatit 2002 to Tir 2004? (Yes = 1, No = 0) **(bimprovseed)**.
- a. Total number of crops HH used improved seed for: (bnumseed)
  - a. Did you sow/ plant IMPROVED seeds/seedlings on Wheat? (bseeda) (Yes = 1, No = 0)
  - b. Did you sow/ plant IMPROVED seeds/seedlings on Barley? (bseedb) (Yes = 1, No = 0)
  - c. Did you sow/ plant IMPROVED seeds/seedlings on Maize? (bseedc) (Yes = 1, No = 0)
  - d. Did you sow/ plant IMPROVED seeds/seedlings on Teff? (bseedd) (Yes = 1, No = 0)
  - e. Did you sow/ plant IMPROVED seeds/seedlings on Sorghum? (bseede) (Yes = 1, No = 0)
  - f. Did you sow/ plant IMPROVED seeds/seedlings on Potato? (bseedf) (Yes = 1, No = 0)
  - g. Did you sow/ plant IMPROVED seeds/seedlings on Sweet Potato? (bseedg) (Yes = 1, No = 0)
  - h. Did you sow/ plant IMPROVED seeds/seedlings on Onion? (bseedh) (Yes = 1, No = 0)
  - i. Did you sow/ plant IMPROVED seeds/seedlings on Tomato? (bseedi) (Yes = 1, No = 0)
  - j. Did you sow/ plant IMPROVED seeds/seedlings on Peas? (bseedj) (Yes = 1, No = 0)
  - k. Did you sow/ plant IMPROVED seeds/seedlings on Horse Bean? (bseedk) (Yes = 1, No = 0)
  - l. Did you sow/ plant IMPROVED seeds/seedlings on Haricot Bean? (bseedl) (Yes = 1, No = 0)
  - m. Did you sow/ plant IMPROVED seeds/seedlings on Coffee? (bseedm) (Yes = 1, No = 0)
  - o. Did you sow/ plant IMPROVED seeds/seedlings on Other crops? (bseedo) (Yes = 1, No = 0)
  - p. Did you sow/ plant IMPROVED seeds/seedlings on Sesame? (bseedp) (Yes = 1, No = 0)
232. Amount of powder crop protection chemicals (Pesticides PLUS herbicides) applied per hectare of cultivated land during the past crop year, namely from Yekatit 2002 to Tir 2004 (in kg.) **(bpowder)**.
233. Amount of liquid crop protection chemicals (Pesticides PLUS herbicides) applied per hectare of cultivated land during the past crop year, namely from Yekatit 2002 to Tir 2002 (in liter.) **(bliquid)**
234. Amount of credit taken for farming purposes during the past crop year, namely from Yekatit 2002 to Tir 2004 (in Birr) **(bcreditamt)**.
235. What is the source of credit taken? **(bcredsource)**
236. Amount of credit repaid during the past crop year, namely from Yekatit 2002 to Tir 2004 (in Birr) **(bcredpaid)**

## **Segment 20: Non-Farm/Purchased Food and Non-food Consumption Items**

Please tell us the amount of non-farm food and non-food consumption items that you have **PURCHASED** or received through aid/gift (by type) during the past one year.

<b>Food Item Purchased/Received</b>	<b>Quantity Bought</b>	<b>Expenditure (Birr)</b>
<b>Processed food (kg)</b>	item_quant_purch1	item_amount_expen1
<b>Fish (kg)</b>	item_quant_purch2	item_amount_expen2
<b>Oil (Lt.)</b>	item_quant_purch3	item_amount_expen3
<b>Sugar (kg)</b>	item_quant_purch4	item_amount_expen4
<b>Salt (kg)</b>	item_quant_purch5	item_amount_expen5
<b>Spices (kg)</b>	item_quant_purch6	item_amount_expen6
<b>Tea (kg)</b>	item_quant_purch7	item_amount_expen7
<b>Coffee (kg)</b>	item_quant_purch8	item_amount_expen8
<b>Gas/household fuel (lit)</b>	item_quant_purch9	item_amount_expen9
<b>Firewood (bundle)</b>	item_quant_purch10	item_amount_expen10
<b>Batteries</b>	item_quant_purch11	item_amount_expen11
<b>Electricity</b>	item_quant_purch12	item_amount_expen12
<b>Meat</b>	item_quant_purch13	item_amount_expen13
<b>Other</b>	item_quant_purch14	item_amount_expen14

Note: processed food include food like Spaghetti, bread, etc.

242. Ask the total amount of annual **PURCHASE** expenditure for the above listed consumption items of the household (IF the interviewee cannot recall for individual items bought) in birr. **(btotconsexp)**.
243. Ask the total amount of the household **PURCHASE** expenditure for non-food items (like hair care and hygiene, clothing, shoes, utensils, medication, etc.) during the past one year, namely from Yekatit 2002 to Tir 2004. **.(nonfoodexp1)**
244. Ask the total amount of household expenditure for **REGULAR** festivals/holidays Traditional/cultural events during the past one year, namely from Yekatit 2002 to Tir 2004. **.(holidayexp1)**

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## **Segment 21: Ownership of Modern Possessions as Indicators of Wealth**

- 245.Iron-Roofed House. **(ironroof1)**. Yes = 1, No = 0
- 246.Television Set **(tv1)**. Yes = 1, No = 0
- 247.Mobile Phone **(mobile1)**. Yes = 1, No = 0
- 248.Tape Recorder **(taperec1)** Yes = 1, No = 0
- 249.Radio Receiver **(radio1)**. Yes = 1, No = 0
- 250.Set of Sofa. **(sofa1)** Yes = 1, No = 0
- 251.Spring/Sponge-mattresses bed **(mattress1)** Yes = 1, No = 0
- 252.Metal/Plastic Water Barrel **(barrel1)**. Yes = 1, No = 0
- 253.Horse/donkey cart **(cart1)** Yes = 1, No = 0

254. Motor cycle/Bicycle. **(bbikeandmotor)** Yes = 1, No = 0
256. Steel plow **(plow1)**. Yes = 1, No = 0
257. Tractor. **(tractor1)** Yes = 1, No = 0
258. Water pump (hand/ motorized) **(pump1)** Yes = 1, No = 0
259. Modern Beehives. **(beehive1)**. Yes = 1, No = 0
260. Jewelry (Silver, Gold, etc.) **(jewelry1)**. Yes = 1, No = 0
- 261a. Kiosk **(kiosk1)**. Yes = 1, No = 0
- 261b. A house in town. **(townhouse1)**. Yes = 1, No = 0
262. Improved dairy cows **(improve\_cow1)**. Yes = 1, No = 0
263. Fattening enterprise. **(fat\_entrpz1)** Yes = 1, No = 0
264. Modern milk churning equipment. **(milkchurn1)** Yes = 1, No = 0

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## **Segment 22: Permanent and Seasonal Migration**

265. Has any member of your household left home for good (PERMANENTLY) during the last 24 calendar months? **(perm\_migrat1)** (Yes = 1, No = 0)
266. If the answer is YES, how many members of your household left home for Good (PERMANENTLY) during the last 24 calendar months? **(no\_migrat1)**.
267. Why did the member of the family that left first, leave? (1 = Schooling, 2 = Looking for job, 3= to assist relatives, 4 = sick/for medication, 5 = marriage; 6= others (specify). **(whymig1)**
268. Why did the member of the family that left second, leave? 1 = Schooling, 2 = Looking for job, 3= to assist relatives, 4 = sick/for medication, 5 = marriage; 6= others (specify). **(whymigb1)**
269. Why did the member of the family that left third, leave? 1 = Schooling, 2 = Looking for job, 3= to assist relatives, 4 = sick/for medication, 5 = marriage; 6= others (specify). **(whymigc1)**.
270. Has any member of your household ever left home TEMPORARILY (for more than 3 days) and nights in search of work during the last 24 calendar months? (Yes = 1, No = 0) **(temp\_leave1)**
271. If the answer is YES, how many of the members of your household have ever left home TEMPORARILY in search of work during the last 24 calendar months? **(btotleavep)**
272. If the answer is YES, for a TOTAL of how many weeks, has/have member(s) of your family been away from home TEMPORARILY in search of work during the last 24 calendar months? **(btotweekp)**
273. If your household member(s) has/have ever left home TEMPORARILY in search of work during the last 24 calendar months, where was the farthest place they went to in search of work? (Within the same gott =1, within the same Kebele = 2, within the same Woreda =3, Within the Same Zone = 4, within the same Region = 5, Outside of the Region = 6). Abroad =7 **(bfarleave)**

274. What is the total annual income earned (in Birr or Birr equivalent in kind) by the household member(s) that has left home TEMPORARILY in search of work during the last 24 calendar months ?  
**.(btotincp)**
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### **Segment 23: General Condition of the Farm**

*[Enumerator: please follow this instruction and describe the farm situation, and make a photo of 1 or 2 sample farm households in the selected study kebele]:*

275. Fencing/ closure of one of the major distant plots (not homestead), the material used for fencing, how well the fence is made. **(bfencetypa)**
276. Conservation measures of this distant plot (not homestead), type of conservation measure (physical, biological), how well the conservation is made. **(bconstypa)**
273. A homestead/garden plot: whether it is well utilized, well managed, fenced, organically fertilized, existence of perennial crops/trees, existence of private water ponds. **(bstateha) (bexistalla)**
274. Existence of stall feeding (cut and carry), how many animals, for what purpose (fattening, dairy cows, etc.) **(bexistalla)**



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