

Country: Malawi Region:

Village nr.:

Village:

HH nr.:

AFRINT III

Micro-Level Households Survey Instrument

Final September 2012

Country: Malawi

Region number:

Region name:

Village number:

Village name:

Household number:

Head of household:

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- Questions are addressed to the farm manager/farm decision maker who should preferably be the respondent.
- Throughout use -9 for ‘Don’t know, Information missing’ and -8 for ‘Uncodeable information’

Core var. no	Variable label	Variable values	Skip-rules, information etc.
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1. Household Demographic and Socio-Economic Characteristics

e001	Country -----	<i>1=Ethiopia, 2=Ghana, 3=Kenya, 4=Malawi, 5=Nigeria, 6=Tanzania, 7=Uganda, 8=Zambia, 9=Mozambique</i>	
e002	Region -----		
e003	Full name of village -----		
e004	<i>For Afrint II villages:</i> Old village number: -----		

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e005	For interviewer: Sub-sample -----	<i>1=Afrint II sample, re-interviewed household, 2=Sample of descendants of Afrint II households, 3=Sample of immigrant households, 9=new respondent sampled to make up for attrition</i>	
e006	For newly sampled households new household number -----		<i>Newly sampled households are either immigrant households or sampled to make up for attrition.</i>
e007	If household immigrated to the village: Where did you come from? -----	<i>1=Within region, 2=From another region, 3=Urban area</i>	
e008	For reinterviewed Afrint II households to answer: Is the head of household the same person as in 2008 ? -----	<i>1=yes, 0=no</i>	<i>If 'yes' the name of the household head should be the same as in 2008.</i>
e009	Name of head of household -----		
e010	If household head is descendant of Afrint II household: How many descendant households are there from the original household? Number of descendant households: -----		

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e011	Number of descendant households who remain in the village: -----		
e012	Of the descendant households who remain in the village, how many are farming? -----		
e013	For reinterviewed Afrint II households to answer: Is the farm manager the same person as in 2008? -----	<i>1=yes, 0=no</i>	<i>If 'yes', compare with your household list so that the name of the farm manager is the same as in 2008.</i>
e014	Name of farm manager -----		<i>For interviewer: Be sure to get the de facto farm manager, i.e. the person who decides about land and crop use. Consider gender aspects!</i>
e015	Respondent? -----	<i>1=Farm manager, 2=spouse of farm manager, 3=grown up child, 4=relative, 5=parent of farm manager, 6=other</i>	
e016	Household type -----	<i>1=Nuclear, 2=Extended, 3=Polygamous, 4=De jure female headed (widow, never married, divorced), 5=De facto female headed (husband absent), 6=Not yet married males</i>	

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e017	Sex of head of household -----	<i>Male=1, female=0</i>	
e018	Sex of farm manager -----	<i>Male=1, female=0</i>	
e019	Age of head of household ----- years		
e020	Age of farm manager ----- years		
e021	Educational level of farm manager? ----- years	<i>Total years in school.</i>	
e022	No. of household members who regularly sleep here: 16-60 years? -----		<i>Consider only regularly residing household members.</i>
e023	No. of males -----		
e024	No. of females -----		
e025	No. of household members who regularly sleep here: 15 and below? -----		<i>Consider only regularly residing household members.</i>

2. Maize

e030	Does your household grow maize? -----	<i>1=yes, 0=no</i>	<i>If the household does not grow maize skip the maize section and go on to sorghum (e086 onwards).</i>
	Maize, area		
e031	How many growing seasons for maize do you normally have in a year? -----	<i>1=one season (one harvest per year) 2=two seasons (two harvests per year)</i>	
e032	During the most recent crop year, did you grow maize in pure stand only or was your maize mixed with other crops? -----	<i>1=pure stand only 2=intercropped</i>	

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e033	<p>What was the area under maize during the most recent crop year?</p> <p>_____, __ local unit</p> <p>local unit= _____</p> <p>Recalculation: _____, __ ha</p>		<p><i>Express in local unit and then recalculate into hectares.</i></p> <p><i>If two harvests of maize are taken per year and the area hence is cultivated twice with maize, the area should be doubled.</i></p> <p><i>If maize is intercropped, ask respondent to estimate maize area from the share of maize, for example using seed ratios.</i></p>
e034	<p>What was the area under maize during the crop year before the most recent one?</p> <p>_____, __ local unit</p> <p>Recalculation: _____, __ ha</p>		<p><i>Express in local unit and then recalculate into hectares.</i></p>
e035	<p>What was the area under maize three crop years ago?</p> <p>_____, __ local unit</p> <p>Recalculation: _____, __ ha</p>		<p><i>Express in local unit and then recalculate into hectares.</i></p>

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Maize, production (grain)			
e036	<p>What was the total production of maize (grain) during the most recent crop year (For households that take two crops per crop year, use total production for the crop year).</p> <p>----- bags ----- kg</p>	<p><i>Express in bags or other local unit, then recalculate into kg.</i></p>	<p><i>Include the amount of green or premature maize harvested; grain equivalent;</i></p> <p><i>If two harvests are taken yearly include total production over the last crop year</i></p>
e037	<p>What was the total production of maize during the crop year before the most recent one (For households that take two crops per crop year, use total production for the crop year)?</p> <p>----- bags ----- kg</p>	<p><i>Express in bags or other local unit, then recalculate into kg.</i></p>	
e038	<p>What was the total production of maize three crop years ago (For households that take two crops per crop year, use total production for the crop year)?</p> <p>----- bags ----- kg</p>	<p><i>Express in bags or other local unit, then recalculate into kg.</i></p>	
e039	<p>Do you send any maize to relatives that are not part of your household?</p> <p>-----</p>	<p><i>1=yes, 0=no</i></p>	<p><i>If no, go to question e041.</i></p>

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e040	<p>Following your most recent crop year, how much maize did you send?</p> <p>----- <i>bags</i></p> <p>----- kg</p>		
e041	<p>Do relatives that are not part of your household come to collect maize from you?</p> <p>-----</p>	<i>1=yes, 0=no</i>	<i>If no, go to question e043.</i>
e042	<p>Following your most recent crop year, how much maize did they collect?</p> <p>----- <i>bags</i></p> <p>----- kg</p>		
e043	<p>Summing up: How much maize in total did your relatives collect or you send to them following the most recent crop year?</p> <p>Maize, amount</p> <p>----- <i>bags</i></p> <p>----- kg</p>	<i>Express in bags or other local unit, then recalculate into kg.</i>	<p><i>Cross-check the results with the data collected above on amounts so that the total amounts here correspond with what respondents send to relatives and what relatives have collected from them.</i></p> <p><i>If the total amount of collected and sent maize is equal to zero, go to question e052.</i></p>

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	Where do the relatives to whom you send maize, or who come to collect maize from you, live?	<i>1=yes, 0=no</i>	
e044	same village -----		
e045	neighbouring villages -----		
e046	other rural areas -----		
e047	towns in same district/county -----		
e048	towns outside district/county -----		
e049	major urban areas -----		
e050	capital city -----		
	Out of the maize that you send or they collect (e043) above, how much is given to relatives in urban areas?		
	Maize, amount		
	----- <i>bags</i>		
e051	----- kg		

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	How much of the total output of maize (e036) following the most recent crop year was used for:	<i>Express in local units (bags etc.), recalculate into kg after the survey</i>	<i>Include the amount of green or premature maize harvested; grain equivalent.</i>
e052	1. Home consumption _____ bags _____ kg		<i>Check the total (e057) against total production above (e036).</i>
e053	2. Payment for hired labour _____ bags _____ kg		
e054	3. Sale _____ bags _____ kg		
e055	4. Transfers to relatives (should equal the amount in e043 above) _____ bags _____ kg		
e056	5. Other uses (seed, animal feed, brewing, gifts, storage losses etc.) _____ bags _____ kg		
e057	Total (should equal e036) _____ bags _____ kg		

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Maize, technology & inputs			
e058	During the most recent crop year, what was the main variety of maize planted? -----	1= <i>traditional</i> 2= <i>improved variety (OPV,composites)</i> 3= <i>hybrid</i>	<i>To partners and interviewers: Be sure to check the local terminology for maize varieties to ensure that respondents understand the question.</i>
e059	How did you acquire (get hold of) the maize seed you used in the most recent crop year? -----	1= <i>own stock</i> 2= <i>other farmers or neighbours</i> 3= <i>purchased in the market</i> 4= <i>received or purchased from extension agents, NGOs or other formal organizations</i>	
e060	Do you use artificial fertilizer on your maize? -----	1= <i>No, my soil is fertile</i> 2= <i>No, I cannot afford to</i> 3= <i>Yes</i>	<i>If no, skip to e064.</i>
e061	If yes, during the most recent crop year, how much money did you spend on artificial fertilizer for maize? ----- local currency ----- USD	<i>Indicate in local currency but recalculate into USD after the survey.</i>	
e062	If yes, during the most recent crop year, how many bags or other local unit of fertilizer did you use? ----- local unit ----- kg	<i>Indicate in local unit but recalculate into kg after the survey.</i>	

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e063	How do you compare the amount of fertilizer used on maize in the most recent cropping season with 2008? -----	0= <i>No fertiliser applied in 2008</i> 1= <i>Amount decreased since then</i> 2= <i>Amount unchanged</i> 3= <i>Amount increased since then</i>	<i>To partners and interviewers: Be sure to check the local terminology for pesticides and herbicides to ensure that respondents understand the question here and below.</i>
e064	During the most recent crop year, were pesticides applied on growing maize crop? -----	1= <i>yes</i> , 0= <i>no</i>	
e065	During the most recent crop year, what was your main method of land preparation for maize? -----	1= <i>hoe cultivation</i> 2= <i>oxen ploughing</i> 3= <i>tractor ploughing</i> 4= <i>no till agriculture</i> 5= <i>other</i>	
e066	During the most recent crop year, were herbicides applied on maize? -----	1= <i>yes</i> , 0= <i>no</i>	<i>If no, skip to e068.</i>
e067	If yes, during the most recent crop year, how much money did you spend on herbicides for maize? ----- local currency ----- USD	<i>Indicate in local currency but recalculate into USD after the survey.</i>	

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	Maize marketing conditions		
e068	Did you sell or do you intend to sell any maize following your most recent crop year? -----	<i>1=yes, 0=no</i>	<i>If no, skip to e077 for newly sampled households, OR to the sorghum section e086 onwards for re-interviewed households.</i>
e069	What was the total amount of maize sold (or is planned to be sold, e054) after the most recent crop year? ----- bags ----- kg	<i>Express in local units (bags etc.), then recalculate into kg after the interview/ survey</i>	<i>Should be equivalent to the amount listed as sale in e054 above.</i>
e070	What was (is) the lowest price for maize you received following the most recent crop year? ----- local currency/100 kg -----, -- USD/100 kg	<i>Indicate in local currency per 100 kg but recalculate into current USD after survey.</i>	
e071	What was (is) the highest price for maize you received following the most recent crop year? ----- local currency/100 kg -----, -- USD/100 kg	<i>Indicate in local currency per 100 kg but recalculate into current USD after survey.</i>	
e072	Did you access information on maize prices over mobile phone? -----	<i>1=yes, 0=no</i>	

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e073	Where did you sell your maize? -----	<i>1=in the village, 2=outside the village, 3=both inside and outside the village</i>	
e074	What is your main market outlet for maize? -----	<i>1=Traders from within the village 2="briefcase traders"/large scale traders 3=brokers 4=State marketing board, 5=NGO or donor project, 6=Farmers' groups or organization, 7=Other</i>	
e075	In the crop year before the last one did you sell more or less maize than after the most recent crop year? -----	<i>0=No maize sold the year before last 1=Amount decreased since then 2=Amount unchanged 3=Amount increased since then</i>	
e076	In your view, how has the price for maize changed since 2008? -----	<i>0=maize not sold at that time 1=worse price today (price has decreased) 2=price unchanged 3=better price today (price has increased)</i>	
	Only newly sampled households should answer questions e077 to e085.		<i>If the household is not newly sampled skip to the sorghum section (e086 onwards)</i>
e077	Did you grow maize in 2008? -----	<i>1=yes, 0=no</i>	<i>If no, skip to the sorghum section (e086 onwards)</i>

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e078	What was the size of the land under maize in the most recent crop year, compared to 2008? -----	0= <i>did not grow maize at that time</i> 1= <i>area decreased since then</i> 2= <i>area unchanged</i> 3= <i>area increased since then</i>	
e079	Do you get more or less maize from a given size of land (e.g. one acre) today, compared to 2008, i.e. have the yields increased or decreased? -----	0= <i>did not grow maize at that time</i> 1= <i>yields have decreased</i> 2= <i>yields unchanged</i> 3= <i>yields have increased</i>	
e080	What was the main variety of maize planted in 2008? -----	1= <i>traditional</i> 2= <i>improved variety (OPV, composites)</i> 3= <i>hybrid</i>	
e081	Were pesticides applied on growing maize crop in 2008? -----	1= <i>yes, 0=no</i>	
e082	Were herbicides applied in 2008? -----	1= <i>yes, 0=no</i>	
e083	What was your main method of land preparation for maize in 2008? -----	1= <i>hoe cultivation</i> 2= <i>oxen ploughing</i> 3= <i>tractor ploughing</i> 4= <i>no till agriculture</i> 5= <i>other</i>	
e084	Did you sell any maize in 2008? -----	1= <i>yes, 0=no</i>	
e085	Since 2008, how has the amount of maize you sell changed? -----	1= <i>less maize sold now</i> 2= <i>no significant change</i> 3= <i>more maize sold now</i>	

3. Sorghum

e086	Does your household grow sorghum? -----	1=yes, 0=no	If the household does not grow sorghum skip the sorghum section and go on to the rice section (e143)
	Sorghum, area		
e087	How many growing seasons for sorghum do you normally have in a year? -----	1=one season (one harvest per year) 2=two seasons (two harvests per year)	
e088	During the most recent crop year, did you grow sorghum in pure stand only or was your sorghum mixed with other crops? -----	1=pure stand only 2=intercropped	
	What was the area under sorghum in your most recent crop year ? -----, ___ local unit local unit=-----		Express in local unit and then recalculate into hectares . If two harvests are taken per year and the area hence is cultivated twice, the area should be doubled
e089	Recalculation: -----, ___ ha		

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e090	<p>What was the area under sorghum for the crop year before the most recent one?</p> <p>_____, __ local unit</p> <p>Recalculation: _____, __ ha</p>		<p><i>Express in local unit and then recalculate into hectares.</i></p> <p><i>If two harvests are taken per year and the area hence is cultivated twice, the area should be doubled</i></p>
e091	<p>What was the area under sorghum three crop years ago?</p> <p>_____, __ local unit</p> <p>Recalculation: _____, __ ha</p>		<p><i>Express in local unit and then recalculate into hectares.</i></p> <p><i>If two harvests of sorghum are taken per year and the area hence is cultivated twice with sorghum, the area should be doubled</i></p>
Sorghum, production (grain)			
e092	<p>What was the total production of sorghum during the most recent crop year (For households that take two crops yearly, use total production in the year)?</p> <p>_____ bags</p> <p>_____ kg</p>	<p><i>Express in bags or other local unit, then recalculate into kg.</i></p>	<p><i>Include the amount of green or premature sorghum harvested; grain equivalent;</i></p> <p><i>If two harvests are taken yearly include total production over the last crop year</i></p>

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e093	<p>What was the total production of sorghum during the crop year before the most recent one (For households that take two crops yearly, use total production in the year)?</p> <p>----- <i>bags</i></p> <p>----- kg</p>	<p><i>Express in bags or other local unit, then recalculate into kg.</i></p>	
e094	<p>What was the total production of sorghum three crop years ago (For households that take two crops yearly, use total production in the year)?</p> <p>----- <i>bags</i></p> <p>----- kg</p>	<p><i>Express in bags or other local unit, then recalculate into kg.</i></p>	
e095	<p>Do you send any sorghum to relatives that are not part of your household?</p> <p>-----</p>	<p>1=yes, 0=no</p>	<p><i>If no, skip to e097.</i></p>
e096	<p>Following your most recent crop year, how much sorghum did you send?</p> <p>----- <i>bags</i></p> <p>----- kg</p>		

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e097	Do relatives that are not part of your household come to collect sorghum from you? -----	<i>1=yes, 0=no</i>	<i>If no, skip to e099.</i>
e098	Following your most recent crop year, how much sorghum did they collect? ----- <i>bags</i> ----- <i>kg</i>		
e099	Summing up: How much sorghum in total did your relatives collect or you send to them following the most recent crop year? ----- <i>bags</i> ----- <i>kg</i>	<i>Express in bags or other local unit, then recalculate into kg.</i>	<i>Cross-check the results with the data collected above on amounts so that the total amounts here correspond with what respondents have sent to relatives and what relatives have collected from them respectively.</i> <i>If the total amount of collected and sent sorghum is equal to zero, go to question e108.</i>

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	Where do the relatives to whom you send sorghum, or who come to collect sorghum from you, live?	<i>1=yes, 0=no</i>	
e100	same village -----		
e101	neighbouring villages -----		
e102	other rural areas -----		
e103	towns in same district -----		
e104	towns outside district -----		
e105	major urban areas -----		
e106	capital city -----		
	Out of the sorghum that you send or they collect (e099) above, how much is given to relatives in urban areas?		
	----- <i>bags</i>		
e107	----- kg		

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	How much of the total output of sorghum (e092) following the most recent crop year was used for:	<i>Express in local units (bags etc.), recalculate into kg after the survey</i>	<i>Include the amount of green or premature sorghum harvested; grain equivalent.</i>
e108	1.Home consumption _____ bags _____ kg		
e109	2.Payment for hired labour _____ bags _____ kg		
e110	3.Sale _____ bags _____ kg		
e111	4. Transfers to relatives (should equal the amount in e099 above) _____ bags _____ kg		
e112	5. Other uses (seed, animal feed, brewing, gifts, storage losses etc.) _____ bags _____ kg		
e113	Total (c.f. e092) _____ bags _____ kg		

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Sorghum, technology & inputs			
e114	During the most recent crop year, what was the main variety of sorghum planted? -----	1= <i>traditional</i> 2= <i>improved variety</i> 3= <i>hybrid</i>	
e115	How did you acquire (get hold of) the sorghum seed you used in the most recent crop year? -----	1= <i>own stock</i> 2= <i>other farmers or neighbours</i> 3= <i>purchased in the market</i> 4= <i>received or purchased from extension agents, NGOs or other formal organizations</i>	
e116	Do you use artificial fertilizer on your sorghum? -----	1= <i>No, my soil is fertile</i> 2= <i>No, I cannot afford to</i> 3= <i>Yes</i>	
e117	If yes, during the most recent crop year, how much money did you spend on artificial fertilizer for sorghum? ----- local currency -----, --- USD	Indicate in local currency but recalculate into USD after the survey	If no, skip to e120.
e118	If yes, during the most recent crop year, how many bags or other local unit of fertilizer did you use? ----- local unit ----- kg	Indicate in local units but recalculate into kg after the survey	

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e119	What was the amount of chemical fertilizer used on sorghum in the most recent crop year as compared to 2008? -----	0= <i>No fertiliser applied in 2008</i> 1= <i>Amount decreased since then</i> 2= <i>Amount unchanged</i> 3= <i>Amount increased since then</i>	
e120	During the most recent crop year, were pesticides applied on growing sorghum crop? -----	1= <i>yes</i> , 0= <i>no</i>	
e121	During the most recent crop year, what was your main method of land preparation for sorghum? -----	1= <i>hoe cultivation</i> 2= <i>oxen ploughing</i> 3= <i>tractor ploughing</i> 4= <i>no till agriculture</i> 5= <i>other</i>	
e122	During the most recent crop year, were herbicides applied on sorghum? -----	1= <i>yes</i> , 0= <i>no</i>	<i>If no, skip to e124.</i>
e123	If yes, during the most recent crop year, how much money did you spend on herbicides for sorghum? ----- local currency -----, --- USD	<i>Indicate in local currency but recalculate into USD after the survey</i>	

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	Sorghum marketing conditions		
e124	Did you sell or do you intend to sell any sorghum following your most recent crop year? -----	<i>1=yes, 0=no</i>	<i>If no, skip to e133 for newly sampled households, OR to the rice section e143 onwards for re-interviewed households.</i>
e125	What was the total amount of sorghum sold (or is planned to be sold) after the most recent crop year? ----- bags ----- kg	<i>Express in local units (bags etc.), then recalculate into kg after the interview/ survey</i>	<i>The amount should equal e110.</i>
e126	What was (is) the lowest price for sorghum you received following the most recent crop year ----- local currency/100 kg -----, -- USD/100 kg	<i>Indicate in local currency per 100 kg but recalculate into current USD after survey</i>	
e127	What was (is) the highest price you received following the most recent crop year? ----- local currency/100 kg -----, -- USD/100 kg	<i>Indicate in local currency per 100 kg but recalculate into USD after survey</i>	
e128	Did you access information on sorghum prices over mobile phone? -----	<i>1=yes, 0=no</i>	

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e129	Where did you sell your sorghum? -----	<i>1=in the village, 2=outside the village, 3=both inside and outside the village</i>	
e130	What is your main market outlet for sorghum? -----	<i>1=Traders from within the village 2="briefcase traders"/large scale traders 3=brokers 4=State marketing board, 5=NGO or donor project, 6=Farmers' groups or organization, 7=Other</i>	
e131	In the season before the last one did you sell more or less sorghum than after the most recent crop year? -----	<i>0=No sorghum sold the year before last 1=Amount decreased since then 2=Amount unchanged 3=Amount increased since then</i>	
e132	In your view, how has the price for sorghum changed since 2008? -----	<i>0=sorghum not sold at that time 1=worse price today (price has decreased) 2=price unchanged 3=better price today (price has increased)</i>	
	Only newly sampled households should answer questions e133 to e142.		<i>If the household is not newly sampled skip to the rice section (e143 onwards).</i>
e133	Did you grow sorghum in 2008? -----	<i>1=yes, 0=no</i>	<i>If no, skip to the rice section (e143 onwards).</i>
e134	What was the size of the land under sorghum in the most recent crop year, compared to 2008? -----	<i>1=area decreased since then 2=area unchanged 3=area increased since then</i>	

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e135	Do you get more or less sorghum from a given size of land (e.g. one acre) today, compared to 2008, i.e. have the yields increased or decreased? -----	<i>1=yields have decreased</i> <i>2=yields unchanged</i> <i>3=yields have increased</i>	
e136	What was the main variety of sorghum planted in 2008? -----	<i>1=traditional</i> <i>2=improved variety</i> <i>3=hybrid</i>	
e137	Do you use more or less chemical fertilizer on sorghum today as compared to 2008? -----	<i>0=No fertiliser applied at that time</i> <i>1=Amount decreased since then</i> <i>2=Amount unchanged</i> <i>3=Amount increased since then</i>	
e138	Were pesticides applied on growing sorghum crop in 2008? -----	<i>1=yes, 0=no</i>	
e139	Were herbicides applied in 2008? -----	<i>1=yes, 0=no</i>	
e140	What was your main method of land preparation for sorghum in 2008? -----	<i>1=hoe cultivation</i> <i>2=oxen ploughing</i> <i>3=tractor ploughing</i> <i>4=no till agriculture</i> <i>5=other</i>	
e141	Did you sell any sorghum in 2008? -----	<i>1=yes, 0=no</i>	
e142	Since 2008, how has the amount of sorghum you sell changed? -----	<i>1=less sorghum sold now</i> <i>2=no significant change</i> <i>3=more sorghum sold now</i>	

4. Rice

e143	Does your household grow rice? -----	1=yes 0=no	<i>If the household does not grow rice skip the rice section and go on to other food crops and vegetables (e203 onwards).</i>
	Rice, area		
e144	How many crops of rice do you normally take in a year? -----	1=one 2=two 3=three	
e145	What was the area under rice in your most recent crop year? -----, ___ local unit local unit=----- Recalculation: -----, ___ ha		<i>Express in local unit and then recalculate into hectares.</i> <i>If two or three harvests of rice are taken per year and the area hence is cultivated with rice two or three times yearly the area should be adjusted to take this into consideration (doubled for two harvests, and tripled for three harvests).</i>

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e146	<p>What was the area under rice for the crop year before the most recent one?</p> <p>-----, -- <i>local unit</i></p> <p>Recalculation: -----, -- ha</p>		<p><i>Express in local unit and then recalculate into hectares.</i></p> <p><i>If two or three harvests are taken per year and the area hence is cultivated more than once the area should be adjusted to take this into consideration (doubled for two harvests, and tripled for three harvests)</i></p>
e147	<p>What was the area under rice three crop years ago?</p> <p>-----, -- <i>local unit</i></p> <p>Recalculation: -----, -- ha</p>		<p><i>Express in local unit and then recalculate into hectares.</i></p> <p><i>If two or three harvests are taken per year and the area hence is cultivated more than once the area should be adjusted to take this into consideration (doubled for two harvests, and tripled for three harvests)</i></p>

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	Rice (paddy) production		<i>This whole section refers to 'paddy', i.e. unmilled rice.</i>
e148	<p>What was the total production of rice during the most recent crop year (For households that take two/three crops yearly use total production in the year)?</p> <p>----- bags</p> <p>----- kg</p>	<i>Express in bags or other local unit, then recalculate into kg.</i>	<i>If two or more harvests are taken yearly include total production over the last crop year.</i>
e149	<p>What was the total production of paddy during the crop year before the most recent one (For households that take two/three crops yearly use total production in the year)?</p> <p>----- bags</p> <p>----- kg</p>	<i>Express in bags or other local unit, then recalculate into kg.</i>	<i>If two or more harvests are taken yearly include total production over the last crop year</i>
e150	<p>What was the total production of paddy three crop years ago (For households that take two/three crops yearly use total production in the year)?</p> <p>----- bags</p> <p>----- kg</p>	<i>Express in bags or other local unit, then recalculate into kg.</i>	<i>If two or more harvests are taken yearly include total production over the last crop year</i>

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e151	<p>Do you send any paddy (or milled rice) to relatives that are not part of your household?</p> <p style="text-align: center;">-----</p>	1=yes, 0=no	<p><i>If no, skip to e153.</i></p> <p><i>In the following we take for granted that the respondent sends paddy. If instead (s)he sends milled rice, adjust to paddy equivalents by multiplying the rice weight with 1.67.</i></p>
e152	<p>Following your most recent crop year, how much paddy did you send?</p> <p style="text-align: center;">----- <i>bags</i></p> <p style="text-align: center;">----- <i>kg</i></p>		
e153	<p>Do relatives that are not part of your household come to collect paddy from you?</p> <p style="text-align: center;">-----</p>	1=yes, 0=no	<i>If no, skip to e155.</i>
e154	<p>Following your most recent crop year, how much paddy did they collect?</p> <p style="text-align: center;">----- <i>bags</i></p> <p style="text-align: center;">----- <i>kg</i></p>		

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e155	<p>Summing up: How much paddy in total did your relatives collect or you send to them following the most recent crop year?</p> <p>----- bags</p> <p>----- kg</p>	<p><i>Express in bags or other local unit, then recalculate into kg.</i></p>	<p><i>Cross-check the results with the data collected above on amounts so that the total amounts here correspond with what respondents have sent to relatives and what relatives have collected from them respectively.</i></p> <p><i>If the total amount of collected and sent paddy is equal to zero, go to question e164.</i></p>
e156	<p>Where do the relatives to whom you send paddy, or who come to collect paddy from you, live?</p> <p>same village -----</p>	<p><i>1=yes, 0=no</i></p>	
e157	<p>neighbouring villages -----</p>		
e158	<p>other rural areas -----</p>		
e159	<p>towns in same district -----</p>		
e160	<p>towns outside district -----</p>		
e161	<p>major urban areas -----</p>		
e162	<p>capital city -----</p>		
e163	<p>Out of the paddy that you send or they collect (e155) above, how much is given to relatives in urban areas?</p> <p>----- bags</p> <p>----- kg</p>		

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	How much of the total output of paddy (e148) following the most recent crop year was used for:	<i>Express in local units (bags etc.), recalculate into kg after the survey.</i>	<i>Include the amount of green or premature paddy harvested; grain equivalent.</i>
e164	1.Home consumption ----- <i>bags</i> ----- kg		
e165	2.Payment for hired labour ----- <i>bags</i> ----- kg		
e166	3.Sale ----- <i>bags</i> ----- kg		
e167	4. Transfers to relatives (should equal the amount in e155 above) ----- <i>bags</i> ----- kg		
e168	5. Other uses (seed, animal feed, brewing, gifts, storage losses etc.) ----- <i>bags</i> ----- kg		
e169	Total (c.f. e148) ----- <i>bags</i> ----- kg		

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Rice, technology & inputs			
	During the most recent crop year, what types of rice were grown? Indicate the proportions (in per cent):		
e170	1.Upland rice (rainfed) _____ %		
e171	2.Lowland rainfed rice _____ %		
e172	3.Lowland irrigated rice _____ %		
	Total 100 %		
e173	During the most recent crop year, what was the <i>main</i> variety of rice planted? _____	<i>1=traditional</i> <i>2=improved</i>	
e174	Did you plant any NERICA or NERICA descendants? _____	<i>1=yes, 0=no</i>	
e175	How did you acquire (get hold of) the rice seed you used in the most recent crop year? _____	<i>1=own stock</i> <i>2=other farmers or neighbours</i> <i>3=purchased in the market</i> <i>4=received or purchased from extension agents, NGOs or other formal organizations</i>	
e176	Do you use artificial fertilizer on your rice? _____	<i>1=No, my soil is fertile</i> <i>2=No, I cannot afford to</i> <i>3=Yes</i>	<i>If no, skip to e180.</i>

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e177	<p>If yes, during the most recent crop year, how much money did you spend on artificial fertilizer for rice?</p> <p>----- local currency</p> <p>----- USD</p>	<p><i>Indicate in local currency but recalculate into USD after the survey.</i></p>	
e178	<p>If yes, during the most recent crop year, how many bags or other local unit of fertilizer did you use?</p> <p>----- local unit</p> <p>----- kg</p>		
e179	<p>What was the amount of chemical fertilizer used on rice in the most recent crop year as compared to 2008?</p> <p>-----</p>	<p><i>0=No fertiliser applied in 2008</i> <i>1=Amount decreased since then</i> <i>2=Amount unchanged</i> <i>3=Amount increased since then</i></p>	
e180	<p>During the most recent crop year, were pesticides applied on growing rice crop?</p> <p>-----</p>	<p><i>1=yes, 0=no</i></p>	
e181	<p>During the most recent crop year, what was your main method of land preparation for rice?</p> <p>-----</p>	<p><i>1=hoe cultivation</i> <i>2=oxen ploughing</i> <i>3=tractor ploughing</i> <i>4=other</i></p>	

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e182	During the most recent crop year, were herbicides applied on rice? -----	<i>1=yes, 0=no</i>	<i>If no, skip to e180.</i>
e183	If yes, during the most recent crop year, how much money did you spend on herbicides for rice? ----- local currency ----- USD		
<i>Rice marketing conditions</i>			
e184	Did you sell or do you intend to sell any paddy following your most recent crop year? -----	<i>1=yes, 0=no</i>	<i>If no, skip to e193 for newly sampled households, OR to the section on other food crops and vegetables e203 onwards for re-interviewed households.</i>
e185	What was the total amount of paddy sold (or is planned to be sold, this should equal e166 above) after the most recent crop year? ----- <i>bags or other local unit</i> ----- kg	<i>Express in local units (bags etc.), then recalculate into kg after the interview/ survey.</i>	<i>This should equal e166 above. The sales should not exceed reported production</i>

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e186	<p>What was (is) the lowest price for paddy you received following the most recent crop year?</p> <p>_____ local currency/100 kg</p> <p>_____, ___ USD/100 kg</p>	<p><i>Indicate in local currency per 100 kg but recalculate into USD after survey.</i></p>	
e187	<p>What was (is) the highest price you received following the most recent crop year?</p> <p>_____ local currency/100 kg</p> <p>_____, ___ USD/100 kg</p>	<p><i>Indicate in local currency per 100 kg but recalculate into USD after survey.</i></p>	
e188	<p>Did you access information on paddy prices over mobile phone?</p> <p>_____</p>	<p><i>1=yes, 0=no</i></p>	
e189	<p>Where did you sell your paddy?</p> <p>_____</p>	<p><i>1=in the village, 2=outside the village, 3=both inside and outside the village</i></p>	
e190	<p>What is your main market outlet for paddy?</p> <p>_____</p>	<p><i>1=Traders from within the village 2="briefcase traders"/large scale traders 3=brokers 4=State marketing board, 5=NGO or donor project, 6=Farmers' groups or organization, 7=Other</i></p>	
e191	<p>In the crop year before the last one did you sell more or less paddy than after the most recent crop year?</p> <p>_____</p>	<p><i>0=No maize sold the year before last</i> <i>1=Amount decreased since then</i> <i>2=Amount unchanged</i> <i>3=Amount increased since then</i></p>	

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e192	In your view, how has the price for paddy changed since 2008? -----	0= <i>paddy not sold at that time</i> 1= <i>worse price today (price has decreased)</i> 2= <i>price unchanged</i> 3= <i>better price today (price has increased)</i>	
	Only newly sampled households should answer questions e193 to e202.		<i>If the household is not newly sampled skip to the section on other food crops and vegetables (e203 onwards).</i>
e193	Did you grow rice in 2008 -----	1= <i>yes</i> , 0= <i>no</i>	<i>If on, skip to the section on other food crops and vegetables (e203 onwards).</i>
e194	What was the size of the land under rice in the most recent crop year, compared to 2008? -----	1= <i>area decreased since then</i> 2= <i>area unchanged</i> 3= <i>area increased since then</i>	
e195	Do you get more or less rice from a given size of land (e.g. one acre) today, compared to 2008, i.e. have the yields increased or decreased? -----	1= <i>yields have decreased</i> 2= <i>yields unchanged</i> 3= <i>yields have increased</i>	
e196	What was the main variety of rice planted in 2008? -----	1= <i>traditional</i> 2= <i>improved variety (OPV, composites)</i> 3= <i>hybrid</i>	

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e197	Do you use more or less chemical fertilizer on rice today as compared to 2008? -----	0= <i>No fertiliser applied at that time</i> 1= <i>Amount decreased since then</i> 2= <i>Amount unchanged</i> 3= <i>Amount increased since then</i>	
e198	Were pesticides applied on growing rice crop in 2008? -----	1= <i>yes</i> , 0= <i>no</i>	
e199	Were herbicides applied in 2008? -----	1= <i>yes</i> , 0= <i>no</i>	
e200	What was your main method of land preparation for rice in 2008? -----	1= <i>hoe cultivation</i> 2= <i>oxen ploughing</i> 3= <i>tractor ploughing</i> 4= <i>no till agriculture</i> 5= <i>other</i>	
e201	Did you sell any paddy in 2008? -----	1= <i>yes</i> , 0= <i>no</i>	
e202	Since 2008, how has the amount of paddy you sell changed? -----	1= <i>less paddy sold now</i> 2= <i>no significant change</i> 3= <i>more paddy sold now</i>	

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5. Other food crops and vegetables

	<i>Crops grown</i>	<i>I=yes, 0=no</i>	<i>If none of these crops are grown, skip to the section on non-food cash crops, e272.</i>
e203	1. Plantains/bananas -----		
e204	2. Cassava -----		
e205	3. Beans -----		
e206	4. Peas -----		
e207	5. Irish potatoes -----		
e208	6. Sweet potatoes -----		
e209	7. Millet -----		
e210	8. Groundnuts -----		
e211	9. Yams -----		
e212	10. Cocoyams -----		
e213	11. Arrowroot -----		
e214	12. Vegetables -----		
e215	13. Fruits -----		
e216	14. Other -----		

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	<i>Crops sold</i>	<i>1=yes, 0=no</i>	
e217	1. Plantains/bananas -----		
e218	2. Cassava -----		
e219	3. Beans -----		
e220	4. Peas -----		
e221	5. Irish potatoes -----		
e222	6. Sweet potatoes -----		
e223	7. Millet -----		
e224	8. Groundnuts -----		
e225	9. Yams -----		
e226	10. Cocoyams -----		
e227	11. Arrowroot -----		
e228	12. Vegetables -----		
e229	13. Fruits -----		
e230	14. Other -----		
	<p>What was the total size of the land you devoted to the other food crops and vegetables grown in the most recent crop year?</p> <p>-----, -- local unit</p> <p>local unit= -----</p>	<i>Express in local unit and then recalculate into hectares.</i>	
e231	Recalculation: -----, -- ha		

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	Of the crops you grow , rank the crops by their importance in terms of food for your household		<i>For the crop that is most important, put 1, for the crop that is second most important as food crop, put 2, etc.</i>	Only crops that are grown (listed in e203 to e216) should be ranked here.
e232	1. Plantains/bananas	-----		
e233	2. Cassava	-----		
e234	3. Beans	-----		
e235	4. Peas	-----		
e236	5. Irish potatoes	-----		
e237	6. Sweet potatoes	-----		
e238	7. Millet	-----		
e239	8. Groundnuts	-----		
e240	9. Yams	-----		
e241	10. Cocoyams	-----		
e242	11. Arrowroot	-----		
e243	12. Vegetables	-----		
e244	12. Fruits	-----		
e245	13. Other	-----		

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	Of the crops you sell , rank the crops by their importance in terms of cash income for your household		<i>For the crop that brings most cash, put 1, for the crop that brings the second most cash, put 2, etc. For crops that are not sold, put zero.</i>	These crops should only be the ones sold by the household (listed in e217 to e230)
e246	1. Plantains/bananas	-----		
e247	2. Cassava	-----		
e248	3. Beans	-----		
e249	4. Peas	-----		
e250	5. Irish potatoes	-----		
e251	6. Sweet potatoes	-----		
e252	7. Millet	-----		
e253	8. Groundnuts	-----		
e254	9. Yams	-----		
e255	10. Cocoyams	-----		
e256	11. Arrowroot	-----		
e257	12. Vegetables	-----		
e258	12. Fruits	-----		
e259	13. Other	-----		

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e260	In your view, how has the price for the food crop that you ranked as the most important source of cash income in the list above changed since 2008? -----	0=crop not sold at that time 1=worse price today (price has decreased) 2=price unchanged 3=better price today (price has increased)	
e261	Do you sell more or less of this crop today as compared to in 2008? -----	0=crop not sold in 2008 1=less is sold now 2=no change 3=more is sold now	
e262	Do you grow any of the crops mentioned above on the basis of a pre-arranged contract? -----	1=yes, 0=no	
e263	Do you send any of the crops mentioned above to relatives residing outside the village? -----	1=yes, 0=no	
e264	Do your relatives from outside the village come to collect any of these crops from you? -----	1=yes, 0=no	

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	Where do the relatives to whom you send these crops or who come to collect them from you, live?	<i>1=yes, 0=no</i>	
e265	neighbouring villages -----		
e266	other rural areas -----		
e267	towns in same district -----		
e268	towns outside district -----		
e269	major urban areas -----		
e270	capital city -----		
	Only newly sampled households should answer question e271.		<i>If the household is not newly sampled skip to the section on non-food cash crops (e272 onwards).</i>
e271	Has there been any change in the overall amount of land devoted to other food crops since 2008? -----	<i>1=less land under cash crops now 2=no change 3=more land under cash crops now</i>	

6. Non-food cash crops

	Which cash crops do you currently grow or did you grow during the most recent crop year?	<i>1=yes, 0=no</i>	<i>If none of these crops are grown, skip to the section on Agricultural Techniques, e300</i>
e272	1. Cotton -----		<i>e274: nuts refer to tree growing nuts, for instance macadamia, cashew nuts, grown as cash crops.</i>
e273	2. Sugar cane -----		
e274	3. Nuts -----		
e275	4. Cocoa -----		
e276	5. Tobacco -----		
e277	6. Coffee -----		
e278	7. Tea -----		
e279	8. Sisal -----		
e280	9. Pyrethrum -----		
e281	10. Oil Palm -----		
e282	11. Flowers -----		
e283	12. Spices, like ginger and vanilla -----		
e284	13. Other -----		

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e299	Prices may have fluctuated since 2008, but in your view, how has the price for the cash crop that you ranked as the most important source of cash among the crops in the list above changed since 2008? -----	0=crop not sold at that time 1=worse price today (price has decreased) 2=price unchanged 3=better price today (price has increased)	
e300	Do you sell more or less of this crop today as compared to in 2008? -----	0=crop not grown in 2008 1=less is sold now 2=no change 3=more is sold now	
e301	Do you grow any of the mentioned cash crops on the basis of a pre-arranged contract with a private trader? -----	1=yes, 0=no	
	Only newly sampled households should answer question e302.		<i>If the household is not newly sampled skip to the section on agriculture techniques (e303 onwards).</i>
e302	Has there been any change in the overall amount of land devoted to cash crops since 2008? -----	1=less land under cash crops now 2=no change 3=more land under cash crops now	

7. Agricultural Techniques

*To partners and interviewers:
check the local terminology
used for agricultural
techniques so that respondents
get what we mean in the
following questions.*

e303	Do you use crop rotation? -----	1=yes, 0=no	
e304	Do you intercrop, for instance beans and maize? -----	1=yes, 0=no	
e305	Do you use chemical fertilizer? -----	1=yes, 0=no	
e306	Do you use pesticides? -----	1=yes, 0=no	
e307	Do you use herbicides? -----	1=yes, 0=no	
e308	Do you use manure from animals, such as livestock, to raise soil fertility? -----	1=yes, 0=no	

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e309	Do you compost (containing manure, crop residues, household waste etc.)? -----	<i>1=yes, 0=no</i>	
e310	Do you use other types of manure, for instance crop residue, stalks, leaves, etc. to raise soil fertility and/or keep moisture in the soil? -----	<i>1=yes, 0=no</i>	
e311	Do you use fallowing/put your land fallow? -----	<i>1=yes, 0=no</i>	
e312	Do you use planting techniques that don't disturb the soil, for instance zero or no till planting? -----	<i>1=yes, 0=no</i>	
e313	Do you use agroforestry, that is you combine cropping with tree planting in the fields or on field borders -----	<i>1=yes, 0=no</i>	
e314	Do you use techniques to keep the rain from washing away the soil, for instance building terraces or planting grass strips? -----	<i>1=yes, 0=no</i>	

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e315	Do you gather rainwater (rainwater harvesting) to be able to water your crops? -----	<i>1=yes, 0=no</i>	
e316	Do you cultivate on low-lying, swampy/marsh land? -----	<i>1=yes, 0=no</i>	
e317	Do you plant crops on riverbeds or riverbanks? -----	<i>1=yes, 0=no</i>	
e318	Do you have access to water in a dam, canal, river or lake that you use for watering your crops? -----	<i>1=yes, 0=no</i>	
e319	Do you water by gravity feed? -----	<i>1=yes, 0=no</i>	
e320	Do you water your crops by lifting water from these sources? -----	<i>1=yes, 0=no</i>	
e321	Do you have access to a water pump? -----	<i>1=yes, 0=no</i>	

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e322	Do you have a borehole or a well that you use for watering your crops? -----	<i>1=yes, 0=no</i>	
e323	Do you use drip irrigation? -----	<i>1=yes, 0=no</i>	
e324	Do you use sprinkler irrigation? -----	<i>1=yes, 0=no</i>	
e325	Do you water your crops in any other way (use any other type of irrigation)? -----	<i>1=yes, 0=no</i>	

8.Land resources

e326	<p>What is your total farm size (net cultivated area and fallow, including land rented in)?</p> <p>_____, __ local unit</p> <p>Recalculation: _____ ha</p>	<p><i>Express in local unit and then recalculate into hectares after the survey</i></p>	<p><i>Include both rented and own land. Do not include double cropped area twice.</i></p>
e327	<p>How much of this land is your own land?</p> <p>_____, __ local unit</p> <p>Recalculation: _____ ha</p>		
e328	<p>How much of your total farmland is cultivated?</p> <p>_____, __ local unit</p> <p>Recalculation: _____ ha</p>		<p><i>The sum of cultivated land and fallow land should equal total farm size</i></p>
e329	<p>How much of your total farmland is lying fallow?</p> <p>_____, __ local unit</p> <p>Recalculation: _____ ha</p>		
e330	<p>Do you rent land?</p> <p>_____</p>	<p><i>1=yes, 0=no</i></p>	<p><i>If no, skip to e332.</i></p>

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e331	How much of your total farm size is land that you rent from others? -----, ___ <i>local unit</i> Recalculation: -----, ___ ha		
e332	Do you rent out any land to others? -----	1=yes, 0=no	If no, skip to e334.
e333	How much land do you rent out to others (not included in total farm size above)? -----, ___ <i>local unit</i> Recalculation: -----, ___ ha		
e334	Do you have full control of all the land you now cultivate or do you need to consult any other person in order to obtain permission for cultivation, change crops/land use, for some or all of your land? -----	1=full control 2=need permission	
e335	Have you lost land that you considered that you had rights to cultivate? -----	1=yes, 0=no	

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e336	Do you hold a formal title or registration of all or parts of your land? -----	<i>1=yes, 0=no</i>	<i>To partners and interviewers: Before starting to interview in a village, check if there are land registration schemes in the village. Be sure to check the local terminology, so that respondents understand this question.</i>
e337	If you compare your present farm size to your farm size in 2008, has your farm size increased or decreased since then? -----	<i>1=area decreased since then 2=area unchanged 3=area increased since then</i>	
e338	If market conditions improved, would you be able to put more land under cultivation to expand your farm? -----	<i>1=yes, 0=no</i>	<i>If no, skip to e340.</i>
e339	How much extra land would you be able to put under cultivation if you wanted to expand your farm? -----, ___ local unit Recalculation: -----, ___ ha	<i>Express in local unit and then recalculate into hectares after the survey</i>	<i>Take into account land that presently is under fallow.</i>

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	Which alternatives for gaining access to more land are possible in this village?		
e340	Clearing virgin land? -----		
e341	Turning grazing land into cultivation? -----		
e342	Bringing fallow land into cultivation? -----		
e343	Renting / borrowing land? -----		
e344	Buying land? -----		
e345	Cultivating marginal land -----		
e346	If you had the means to expand your farm size, what would be the most appropriate measure in your case? -----	<i>1=yes, 0=no</i> <i>1=clearing virgin land</i> <i>2=turning grazing land into cultivation</i> <i>3=bringing fallow land into permanent cultivation</i> <i>4=renting/borrowing land</i> <i>5=buying land</i> <i>6=land that is rented to others would be put under cultivation</i> <i>7=expansion into marginal lands</i> <i>8=other</i>	

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e347	How will your female children mainly obtain land in this village? -----	<i>1=They will be allocated land not previously cultivated (virgin land or pasture) 2=They will be allocated family land now under fallow 3=They will inherit land already under cultivation 4=They will rent/borrow land 5=They will purchase land 6=They will attain land through marriage 7=There won't be enough land to access in the village</i>	
e348	How will your male children mainly obtain land in this village? -----	<i>1=They will be allocated land not previously cultivated (virgin land or pasture) 2=They will be allocated family land now under fallow 3=They will inherit land already under cultivation 4=They will rent/borrow land 5=They will purchase land 6=They will attain land through marriage 7=There won't be enough land to access in the village</i>	

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	Only newly sampled households should answer questions e349 and e350.		<i>If the household is not newly sampled skip to the section on livestock and fish (e351 onwards).</i>
e349	How has your total size of land under cultivation changed since 2008? -----	<i>1=less land is cultivated now 2=no change 3=more land is cultivated now</i>	
e350	How did you first obtain land in this village when your household was formed? -----	<i>1=I was allocated virgin land/pasture 2=I was allocated family land under fallow 3=I inherited land already under cultivation 4=I purchased land 5=I borrowed/rented land</i>	

9. Livestock & Fish

Livestock			
	Which types of livestock/animals do you have?		<i>Indicate number of livestock. If no livestock of that type, write 0</i>
e351	Cows -----		
e352	Oxen -----		
e353	Heifers -----		
e354	Calves -----		
e355	Bulls -----		
e356	Goats/sheep -----		
e357	Camels/donkeys -----		
e358	Pigs -----		
e359	Poultry -----		
e360	Rabbits -----		
e361	Do you keep bees? -----		<i>1=yes, 0=no</i>

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e362	If you have cows, how many are graded or cross-breed milk cows? -----		
e363	Have you received any livestock/animals through projects run by NGOs, donors or the government? -----	<i>1=yes, 0=no</i>	
e364	Do you regularly sell any animal produce, like milk etc.? -----	<i>1=yes, 0=no</i>	
e365	Do you regularly sell animals? -----	<i>1=yes, 0=no</i>	
e366	Do you use your livestock for draught or transport? -----	<i>1=yes, 0=no</i>	
e367	Do you stall-feed any cattle? -----	<i>1=yes, 0=no</i>	
e368	How do you feed most of your cattle? -----	<i>1=stall feeding (zero grazing, tethered) 2=private (own) grazing land 3=communal (open) grazing land</i>	
e369	Do you cultivate fodder crops? -----	<i>1=yes, 0=no</i>	

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e370	Do you buy fodder grass? -----	1=yes, 0=no	
e371	Do you buy improved fodder for your livestock? -----	1=yes, 0=no	
	Fish		
e372	Do you have access to fishing waters/ do you fish? -----	1=yes, 0=no	<i>If no, skip to e374 (newly sampled households), or e377 (re-interviewed households)</i>
e373	For which purpose are you mainly fishing? -----	1=household uses/ own consumption 2=commercial purposes 3=other purpose	
	Only newly sampled households should answer questions e374 to e376.		<i>If the household is not newly sampled skip to the section on labour resources (e377 onwards).</i>
e374	In 2008, did you stall-feed any cattle? -----	1=yes, 0=no	
e375	In 2008, how did you feed most of your cattle? -----	1=stall feeding (zero grazing) 2=private (own) grazing land 3=communal (open) grazing land	
e376	In 2008, were any of your cows, if you had any, graded or cross-breed milk cows? -----	1=yes, 0=no	

10. Labour Resources

e377	Apart from resident household members, how many adult family members do regularly work on this farm unit? -----		<i>This refers to family members who do not reside in the homestead.</i>
	Which tasks are men and women in this household having the main responsibility for respectively?	<i>1=mainly men 2=mainly women 3=equal participation</i>	<i>This includes both resident and non-resident family members</i>
e378	Land preparation -----		
e379	Planting -----		
e380	Weeding -----		
e381	Fertilising -----		
e382	Guarding/watching crops -----		
e383	Harvesting -----		
e384	Transporting crops -----		
e385	Tending livestock -----		
e386	Shelling and bagging -----		
e387	Pruning -----		
e388	Spraying of crops -----		
e389	Other -----		

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e390	Does your household regularly hire farm labour? -----	<i>1=yes, 0=no</i>	<i>If no, skip to e406.</i>
e391	Is the labour you hire mainly female or male? -----	<i>1=mainly men 2=mainly women 3=both men and women</i>	
	If you hire farm labour, for which tasks do you use it?	<i>1=yes, 0=no</i>	
e392	Land preparation -----		
e393	Planting -----		
e394	Weeding -----		
e395	Fertilising -----		
e396	Guarding/watching crops -----		
e397	Harvesting -----		
e398	Transporting crops -----		
e399	Tending livestock -----		
e400	Shelling and bagging -----		
e401	Pruning -----		
e402	Spraying of crops -----		
e403	Other -----		

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e404	How has the price of hired labour changed since 2008? -----	<i>0=did not hire labour in 2008 1=price has decreased 2=price unchanged 3=price has increased</i>	
e405	Over the past year have you used your mobile phone to pay for hired labour? -----	<i>1=yes, 0=no</i>	
e406	Does your household use exchange labour? -----	<i>1=yes, 0=no</i>	<i>If no, skip to e419.</i>

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	If you use exchange labour, for which tasks is it used?	<i>1=yes, 0=no</i>	
e407	Land preparation -----		
e408	Planting -----		
e409	Weeding -----		
e410	Fertilising -----		
e411	Watching crops -----		
e412	Harvesting -----		
e413	Transporting crops -----		
e414	Tending livestock -----		
e415	Shelling and bagging -----		
e416	Pruning -----		
e417	Spraying of crops -----		
e418	Other -----		
e419	Has your household in the past year experienced labour shortages? -----	<i>1=yes, 0=no</i>	

11. Institutional Conditions

e420	Have you received advice from extension staff (governmental) at any time during the last year? -----	<i>0=never</i> <i>1=rarely</i> <i>2=regularly</i>	
e421	Have you received advice from non-governmental extension services at any time during the last year? -----	<i>0=never</i> <i>1=rarely</i> <i>2=regularly</i>	
e422	If you have received advice from any extension service (governmental or non-governmental), did you pay? -----	<i>1=yes, 0=no</i>	
e423	Have you received extension services for crops? -----	<i>1=yes, 0=no</i>	
e424	Have you received extension services for livestock? -----	<i>1=yes, 0=no</i>	
e425	Have you received extension services through mobile phone? -----	<i>1=yes, 0=no</i>	
e426	Are you (farm manager) a member of any local farmer group/organisation/club/association dealing with agriculture? -----	<i>1=yes, 0=no</i>	

12. Incomes and Expenditures

	Incomes		
e427	Has your household in the past year received any foodstuffs or other in kind transfers from relatives? -----	<i>1=yes, 0=no</i>	<i>If no, then skip to e433.</i>
	If yes, what types of transfers?	<i>1=yes, 0=no</i>	
e428	Foodstuffs -----		
e429	Farm inputs -----		
e430	Livestock -----		
e431	Clothes -----		
e432	Other -----		
e433	Has your household participated in any food for work programmes in the past year? -----	<i>1=yes, 0=no</i>	<i>If no, then skip to e435.</i>
e434	Were you paid in cash? -----	<i>1=yes, 0=no</i>	
e435	Has your household in the past year received any other cash transfers from the government? -----	<i>1=yes, 0=no</i>	<i>This does not include pensions</i>

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e442	07.Non-farm salaried employment ----- <i>local currency</i> ----- USD		
e443	08.Micro business ----- <i>local currency</i> ----- USD		
e444	09.Large-scale business ----- <i>local currency</i> ----- USD		
e445	10.Rent, interest ----- <i>local currency</i> ----- USD		
e446	11.Pensions ----- <i>local currency</i> ----- USD		
e447	12. Remittances from absent household members, children etc. ----- <i>local currency</i> ----- USD		

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	If your household earns income from business (large-scale or micro business), what type of business do you have?		<i>Business includes only nonfarm businesses/sources of income.</i>
e448	Selling of handicrafts (baskets, pottery, etc.) _ _ _ _ _		
e449	Artisinal mining _ _ _ _ _		
e450	Carpentry _ _ _ _ _		
e451	Construction _ _ _ _ _		
e452	Blacksmithing _ _ _ _ _		
e453	Brickmaking _ _ _ _ _		
e454	Driving (transport business) _ _ _ _ _		
e455	Tailoring (sewing clothes) _ _ _ _ _		
e456	Milling _ _ _ _ _		
e457	Health services (traditional midwives, healing, etc.) _ _ _ _ _		
e458	Alcohol production _ _ _ _ _		
e459	Selling processed foodstuffs _ _ _ _ _		
e460	Trading clothes or other non food items _ _ _ _ _		

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e461	If you earn income from your own business (large scale or micro business), do you employ any workers in your business? -----	<i>1=yes, 0=no</i>	
e462	If yes, how many people do you employ? -----		
e463	To interviewer: please note if the respondent was reluctant to disclose information on household income or if information on household income appears to be unreliable. -----	<i>1=yes, 0=no</i>	

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	Consumer durables: which of the following assets does your household possess?		<i>1=yes, 0=no</i>	
e464	Mobile or stationary telephone	-----		
e465	Motor bike	-----		
e466	TV-set	-----		
e467	Car	-----		
e468	Bicycle	-----		
e469	Sewing machine	-----		
e470	Kerosene stove or other modern stove	-----		
e471	Gas cooker	-----		
e472	Sofa set	-----		
e473	Housing standard: what kind of house do you have?	-----	<i>1=mud house with thatched roof 2=mud house with corrugated iron roof 3=block/brick house with corrugated iron roof or other more advanced housing types 4=corrugated walls, with cement floor</i>	<i>Interviewer may ask or observe housing standard.</i>

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Expenditures			
	Which food crops did you purchase for your household consumption during the past year?	<i>1=yes, 0=no</i>	
e474	Maize -----		
e475	Cassava -----		
e476	Sorghum -----		
e477	Rice -----		
e478	Plantains/bananas -----		
e479	Beans -----		
e480	Peas -----		
e481	Irish potatoes -----		
e482	Sweet potatoes -----		
e483	Millet -----		
e484	Groundnuts -----		
e485	Vegetables -----		
e486	Yams -----		
e487	Cocoyams -----		
e488	Arrowroot -----		

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	Which animal produce/food did you purchase for your household consumption during the past year?	<i>1=yes, 0=no</i>	
e489	Milk -----		
e490	Meat -----		
e491	Fish -----		
e492	Egg -----		
e493	In the past year, have you borrowed money to be able to cover your expenditures? -----	<i>1=yes, 0=no</i>	
e494	Do you at present obtain any form of agricultural input credit? -----	<i>1=yes, 0=no</i>	
e495	Does anyone in your household at present obtain any other form of credit? -----	<i>1=yes, 0=no</i>	
e496	Does your household have access to credit targeted specifically at women? -----	<i>1=yes, 0=no</i>	

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e497	Are you normally able to save some money every year for future needs? -----	<i>1=yes, 0=no</i>	
e498	Does your household reduce the number of meals eaten daily during the lean season? -----	<i>1=yes, 0=no</i>	
e499	Does your household reduce the quality of food eaten during the lean season? -----	<i>1=yes, 0=no</i>	<i>For instance the amount of meat or vegetables may be reduced, or tea may be taken without sugar, etc.</i>
	How many meals per day does your household generally eat during the <i>lean season</i> ?	<i>1=yes, 0=no</i>	
e500	Breakfast -----		
e501	Lunch -----		
e502	Dinner -----		
	How many meals per day does your household generally eat during the rest of the year (the lean season excluded)?	<i>1=yes, 0=no</i>	
e503	Breakfast -----		
e504	Lunch -----		
e505	Dinner -----		

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Income data Male adult household members (16-60 years) for the past 12 months

- EACH MEMBER TO BE INTERVIEWED SEPARATELY by a male enumerator
- Note to enumerator: The income gathered on this basis may be different from the total income reported by the household head/farm manager in e436 to e447.

	Farm manager (if male)	male adult 1	male adult 2	male adult 3	male adult 4	male adult 5	Sum by source of cash income (row)
01.Sale of food staples							e506
02.Sale of other food crops							e507
03.Sale of non-food cash crops							e508
04.Sale of animals/animal produce							e509
05.Leasing out machinery and/or equipment, oxen, push carts etc.							e510
06.Work on others' farms /agricultural labour							e511
07.Non-farm salaried employment							e512
08.Micro business							e513

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09.Large-scale business							e514
10.Rent, interest							e515
11.Pensions							e516
12. Remittances from absent household members, children etc.							e517
Sum by household member (column)	e518	e519	e520	e521	e522	e523	

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Income data Female adult household members (16-60 years) for the past 12 months

- EACH MEMBER TO BE INTERVIEWED SEPARATELY by a female enumerator
- Note to enumerator: The income gathered on this basis may be different from the total income reported by the household head/farm manager in e436 to e447.

	Farm manager (if female)	female adult 1	female adult 2	female adult 3	female adult 4	female adult 5	Sum by source of cash income (row)
01.Sale of food staples							e524
02.Sale of other food crops							e525
03.Sale of non-food cash crops							e526
04.Sale of animals/animal produce							e527
05.Leasing out machinery and/or equipment, oxen, push carts etc.							e528
06.Work on others' farms /agricultural labour							e529
07.Non-farm salaried employment							e530
08.Micro business							e531

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09.Large-scale business							e532
10. Rent, interest							e533
11.Pensions							e534
12. Remittances from absent household members, children etc.							e535
Sum by household member (column)	e536	e537	e538	e539	e540	e541	