

**Study topic:** *An assessment of the applications of land tenure systems on food security of households to Mbale district, Uganda*

**Objective 1:** To assess the existing land tenure systems and their impact on food security in Mbale and Bukedea districts, Eastern Uganda and Luwero district in Buganda region

No.	Questions	Responses	Skip
<b>Section A: Respondent Demographics</b>			
A1	What is your age?	<input type="checkbox"/> Below 18, <input type="checkbox"/> 19-30, <input type="checkbox"/> 31-40, <input type="checkbox"/> 41-50, <input type="checkbox"/> 51+	
A2	What is your gender?	<input type="checkbox"/> Male, <input type="checkbox"/> Female,	
A3	What is your highest level of education?	<input type="checkbox"/> None, <input type="checkbox"/> Primary, <input type="checkbox"/> Secondary, <input type="checkbox"/> Tertiary, <input type="checkbox"/> University	
A4	What is your occupation?	<input type="checkbox"/> Farmer, <input type="checkbox"/> Trader, <input type="checkbox"/> Civil servant, <input type="checkbox"/> Other specify .....	
A5	How long have you lived in this area?	<input type="checkbox"/> Less than 1 year, <input type="checkbox"/> 15 years, <input type="checkbox"/> 610 years, <input type="checkbox"/> 11+ years	
A6	Location	<input type="checkbox"/> Urban <input type="checkbox"/> Perurban <input type="checkbox"/> Rural	
A7	Type of residence	<input type="checkbox"/> Permanent <input type="checkbox"/> Temporary	
A8	Monthly income level (UGX)	<input type="checkbox"/> Below 100,000 UGX <input type="checkbox"/> 100,000 – 500,000 UGX <input type="checkbox"/> 500,000 – 1,000,000 UGX <input type="checkbox"/> Above 1,000,000 UGX	
<b>Section B: Land Tenure System</b>			
B1	What is the primary land tenure system in your community?	<input type="checkbox"/> Customary, <input type="checkbox"/> Freehold, <input type="checkbox"/> Leasehold, <input type="checkbox"/> Crown land/Mailo land <input type="checkbox"/> Government land	
B2	Who owns the land in your household?	<input type="checkbox"/> Male head of household, <input type="checkbox"/> Female head of household, <input type="checkbox"/> Joint ownership, <input type="checkbox"/> Rented land	
B3	Do you feel secure about the ownership of your land?	<input type="checkbox"/> Yes, <input type="checkbox"/> No	

B4	How do you acquire land in this community?  (Tick all that apply)	<input type="checkbox"/> Inheritance, <input type="checkbox"/> Purchase, <input type="checkbox"/> Rent, <input type="checkbox"/> Government allocation, <input type="checkbox"/> Other specify .....	
B5	Has your access to land changed in the past 5 years?	<input type="checkbox"/> Yes, <input type="checkbox"/> No	If No, skip to Q12
B6	If yes in q10, how has your access to land changed?	<input type="checkbox"/> Gained more land, <input type="checkbox"/> Lost land,	
B7	What challenges do you face in accessing land?	<input type="checkbox"/> Lack of documentation, <input type="checkbox"/> Conflicts with neighbours, <input type="checkbox"/> Inheritance issues, <input type="checkbox"/> Limited land for sale, <input type="checkbox"/> High land prices, <input type="checkbox"/> Policy changes <input type="checkbox"/> Other specify .....	
B8	Does your community have clear land boundaries?	<input type="checkbox"/> Yes, <input type="checkbox"/> No	
B9	How often do land disputes occur in your area?	<input type="checkbox"/> Rarely, <input type="checkbox"/> Occasionally, <input type="checkbox"/> Frequently, <input type="checkbox"/> Never	
B10	Who typically resolves land disputes in your community?	<input type="checkbox"/> Elders, <input type="checkbox"/> Local council, <input type="checkbox"/> Court, <input type="checkbox"/> Other specify .....	
B11	Are you aware of any land policies or laws that govern land ownership in your area?	<input type="checkbox"/> Yes, <input type="checkbox"/> No	
B12	Have you encountered any problems with land ownership or disputes affecting your food production?	<input type="checkbox"/> Yes, <input type="checkbox"/> No	If No, skip to Q20
B13	If yes, please explain how land disputes have impacted your food production.	<input type="checkbox"/> Low production <input type="checkbox"/> Limited storage of crop yield <input type="checkbox"/> Limited perennial crop production <input type="checkbox"/> Others specify .....	
B14	How often do you face challenges in cultivating enough food for your household?	<input type="checkbox"/> Rarely, <input type="checkbox"/> Occasionally, <input type="checkbox"/> Frequently, <input type="checkbox"/> Never	
<b>Section C: Food Security</b>			
C1	What type of crops do you grow on your land?	<input type="checkbox"/> Maize, <input type="checkbox"/> Beans, <input type="checkbox"/> Cassava, <input type="checkbox"/> Rice, <input type="checkbox"/> Vegetables, <input type="checkbox"/> Other specify .....	
C2	Do you have enough land to grow sufficient food for your household?	<input type="checkbox"/> Yes, <input type="checkbox"/> No	

C3	Have you ever had to rely on food assistance in the past year?	<input type="checkbox"/> Yes, <input type="checkbox"/> No	If No, skip to Q24
C4	If yes, how often did you need food assistance in the past year?	<input type="checkbox"/> Once, <input type="checkbox"/> 2 times, <input type="checkbox"/> 3 times <input type="checkbox"/> 4+ times	
C5	What is your main source of food when homegrown food is not available?	<input type="checkbox"/> Market purchase, <input type="checkbox"/> Family and friends, <input type="checkbox"/> Food aid, <input type="checkbox"/> Other specify .....	
C6	How does the land tenure system affect your food security?	<input type="checkbox"/> Positively, <input type="checkbox"/> Negatively, <input type="checkbox"/> No impact	
C7	Do you use your land for both subsistence and commercial farming?	<input type="checkbox"/> Yes, <input type="checkbox"/> No	
C8	If yes, which crops do you sell, and how do sales impact your household's food security?	.....	
C9	How do seasonal variations (e.g., drought, floods) affect your food security?	<input type="checkbox"/> Major impact, <input type="checkbox"/> Minor impact, <input type="checkbox"/> No impact	
C10	Do you have access to irrigation for your crops?	<input type="checkbox"/> Yes, <input type="checkbox"/> No	
C11	If no, would irrigation improve your food security?	<input type="checkbox"/> Yes, <input type="checkbox"/> No	
C12	Have you adopted any farming technologies or practices in the last 5 years to improve food production?	<input type="checkbox"/> Yes, <input type="checkbox"/> No	
C13	If yes, which technologies or practices have you adopted?	.....	
C14	How would you describe the quality of soil on your land?	<input type="checkbox"/> Poor, <input type="checkbox"/> Fair, <input type="checkbox"/> Good, <input type="checkbox"/> Excellent	
C15	Have you faced any issues related to soil fertility in the past year?	<input type="checkbox"/> Yes, <input type="checkbox"/> No	If No, skip to Q36
C16	If yes, how have soil fertility issues impacted your food security?	.....	
C17	Do you have access to agricultural extension services in your area?	<input type="checkbox"/> Yes, <input type="checkbox"/> No	
C18	If yes, how frequently do you use agricultural extension services?	<input type="checkbox"/> Regularly, <input type="checkbox"/> Occasionally, <input type="checkbox"/> Rarely, <input type="checkbox"/> Never	
C19	How has the availability of extension services affected your food production?	<input type="checkbox"/> Improved, <input type="checkbox"/> No effect, <input type="checkbox"/> Worsened	

C20	What role does community support (e.g., farming groups, cooperatives) play in your food security?	<input type="checkbox"/> Major role, <input type="checkbox"/> Minor role, <input type="checkbox"/> No role	
C21	Have you faced any barriers in accessing credit or loans for agricultural activities?	<input type="checkbox"/> Yes, <input type="checkbox"/> No	If No, skip to Q42
C22	If yes, what are the main barriers?	<input type="checkbox"/> High interest rates, <input type="checkbox"/> Lack of collateral, <input type="checkbox"/> Limited financial institutions, <input type="checkbox"/> Other specify .....	
C23	Do you use any kind of risk management strategies to protect your crops or livestock?	<input type="checkbox"/> Yes, <input type="checkbox"/> No	
C24	How has the land tenure system impacted your ability to invest in longterm agricultural improvements (e.g., irrigation, soil conservation)?	<input type="checkbox"/> Positive, <input type="checkbox"/> Negative, <input type="checkbox"/> No impact	
C25	Do you believe food security in your area has improved, worsened, or remained the same in the last 5 years?	<input type="checkbox"/> Improved, <input type="checkbox"/> Worsened, <input type="checkbox"/> Stayed the same	
C26	What do you believe are the main factors affecting food security in your community?	<input type="checkbox"/> Land tenure system, <input type="checkbox"/> Climate change, <input type="checkbox"/> Market access, <input type="checkbox"/> Education and training, <input type="checkbox"/> Lack of infrastructure, <input type="checkbox"/> Other specify .....	
<b>Section D: Agricultural Practices and Food Storage</b>			
D1	How do you store your food for consumption during the offseason?	<input type="checkbox"/> Drying, <input type="checkbox"/> Granary, <input type="checkbox"/> Freezing, <input type="checkbox"/> Stores, <input type="checkbox"/> None	
D2	Have you experienced any pest or disease problems affecting your food production?	<input type="checkbox"/> Yes, <input type="checkbox"/> No	If No, skip to Q50
D3	If yes, how have pest or disease issues affected your food security?	.....	
D4	Do you rotate crops or use other crop management strategies to ensure food security?	<input type="checkbox"/> Yes, <input type="checkbox"/> No	
D5	How important are cash crops (e.g., coffee, cotton) to your household's food security?	<input type="checkbox"/> Very important, <input type="checkbox"/> Somewhat important, <input type="checkbox"/> Not important	
D6	How often do you face challenges in accessing markets for your agricultural products?	<input type="checkbox"/> Never, <input type="checkbox"/> Rarely, <input type="checkbox"/> Occasionally, <input type="checkbox"/> Frequently	
D7	How does the distance to the nearest market affect your food security?	<input type="checkbox"/> Major impact, <input type="checkbox"/> Minor impact, <input type="checkbox"/> No impact	

D8	Do you sell any food items to other households in your community?	<input type="checkbox"/> Yes, <input type="checkbox"/> No	If No, skip to Q56
D9	If yes, how does this income affect your household's food security?	.....	
D10	Do you engage in any form of intercropping to maximize food production?	<input type="checkbox"/> Yes, <input type="checkbox"/> No	
D11	If yes, which crops do you intercrop?	.....	
<b>Section E: Access to Support and Climate Change</b>			
E1	Do you participate in any government programs related to agriculture or food security?	<input type="checkbox"/> Yes, <input type="checkbox"/> No	
E2	If yes, which programs have you benefited from?	.....	
E3	How would you rate the availability of clean water for agricultural and household use?	<input type="checkbox"/> Very available, <input type="checkbox"/> Somewhat available, <input type="checkbox"/> Not available	
E4	Do you practice any form of soil conservation?	<input type="checkbox"/> Yes, <input type="checkbox"/> No	
E5	If yes, what type of soil conservation practices do you use?	.....	
E6	What is the main source of water for your crops and livestock?	<input type="checkbox"/> Rainfed, <input type="checkbox"/> Irrigated, <input type="checkbox"/> Mixed, <input type="checkbox"/> Other specify .....	
E7	What is the most common type of irrigation system used in your area?	<input type="checkbox"/> Drip irrigation, <input type="checkbox"/> Flood irrigation, <input type="checkbox"/> Rainwater harvesting, <input type="checkbox"/> None	
E8	Have you experienced a decline in the fertility of your land in recent years?	<input type="checkbox"/> Yes, <input type="checkbox"/> No	If No, skip to Q67
E9	If yes, what measures have you taken to improve soil fertility?	.....	
E10	Do you believe that your community has sufficient training on sustainable agricultural practices?	<input type="checkbox"/> Yes, <input type="checkbox"/> No	
E11	Are you aware of any land reforms or changes in the land tenure system in your area?	<input type="checkbox"/> Yes, <input type="checkbox"/> No	
E12	How do you feel about the current land tenure laws and policies?	<input type="checkbox"/> Positive, <input type="checkbox"/> Negative, <input type="checkbox"/> Neutral	
E13	Do women have equal access to land as men in your community?	<input type="checkbox"/> Yes, <input type="checkbox"/> No	
E14	If no, how does this inequality affect food security?	.....	

E15	Do you face challenges in gaining land rights as a woman or young person?	<input type="checkbox"/> Yes, <input type="checkbox"/> No	
E16	If yes, what barriers prevent you from accessing land?	.....	
<b>Section F: Climate Change and Adaptation</b>			
F1	How does climate change (e.g., extreme weather events) impact your food production?	<input type="checkbox"/> Major impact, <input type="checkbox"/> Minor impact, <input type="checkbox"/> No impact	
F2	What measures have you taken to adapt to climate change and protect your food security?	.....	
F3	Do you use any indigenous knowledge or traditional methods in farming?	<input type="checkbox"/> Yes, <input type="checkbox"/> No	
F4	If yes, what traditional methods do you use?	<input type="checkbox"/> Slash and burn <input type="checkbox"/> Crop rotation <input type="checkbox"/> Mixed cropping (Intercropping) <input type="checkbox"/> Use of organic manure <input type="checkbox"/> Mulching <input type="checkbox"/> Seed preservation <input type="checkbox"/> Other specify.....	
F5	Are there any government or NGO initiatives that have helped improve your food security?	<input type="checkbox"/> Yes, <input type="checkbox"/> No	
F6	If yes, how have these initiatives helped you?	.....	
F7	How can the government improve land policies to enhance food security in your community?	.....	