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IMPACT EVALUATION OF TENURE AND GLOBAL CLIMATE CHANGE (TGCC) PROJECT IN ZAMBIA

**HOUSEHOLD SURVEY
2014**

2014

This document was produced for review by the United States Agency for International Development. It was prepared by The Cloudburst Group for the Evaluation, Research and Communication (ERC) Task Order under the Strengthening Tenure and Resource Rights (STARR) IDIQ.

RuralNet and Cloudburst Consulting Group

2014 TGCC Impact Evaluation Baseline Data collection (TGCCIE14)

A1. Date of survey (time_st)	(mm/dd/year)	
A2. Name of Enumerator (int_name)	(Text)	
A2b. Other enumerator (int_nameo)	(text)	
A3. Name of Supervisor (superv)	(Text)	
A3b Other supervisor (supervo)	(text)	
A4. Chiefdom (chief)	1 Mnukwa 2 Mshawwa 3 Mkanda 4 Mguya 5 Salli I	(Code)
A5. Village ID (vilid)	(Text)	
A6. Village name (vil)	(Text)	
A7. Household ID (hh_serial)	(Integer)	
A8. Please retype the household ID (hh_serial2)	(Integer)	

INFORMED CONSENT - PLEASE READ THE PAPER CONSENT FORM CAREFULLY AND WORD FOR WORD

A. HOUSEHOLD IDENTIFICATION AND CONSENT

A9. Did the respondent consent? (consent) <i>If I, skip to A11.</i>	0 No 1 Yes	(Code)
A10. Can you please tell me why you have chosen not to participate? (refuse) <i>Skip to section S</i>	(Text)	

A. HOUSEHOLD INFORMATION

A11. Who is the respondent? (respondent) <i>If I, skip to A16</i>	1 Head of household 2 Spouse of the head of household 3 Other household member	(Code)
A12. Name of respondent (nm_respon) Skip to A14 if respondent≠3	(Text)	
A13. Respondent relationship to Household Head (relhead)	1 Child 2 Parent/parent in law 3 Brother/Sister 4 Other, specify	(Code)
A13b. Please specify "Other" (relheado)	(Text)	
A14. Sex of the respondent (gender_respondent)	0 Male 1 Female	(Code)
A15a. First mobile phone number of the respondent (cell_respondent1)	(Integer)	

		If no mobile number, enter 0.
A15b. Second mobile phone number of the respondent (cell_respondent2)	(Integer)	If no mobile number, enter 0.
A15c. Third mobile phone number of the respondent (cell_respondent3)	(Integer)	If no mobile number, enter 0.
A16. Full name of Household Head (hh_head)	(Text)	
A17. Nickname of Household Head (hh_nickname)	(Text)	
A18. NRC of Household Head (nrc)	(Text)	
A19a. First mobile phone number of the Household Head (cell_head1)	(Integer)	If no mobile number, enter 0.
A19b. Second mobile phone number of the Household Head (cell_head1)	(Integer)	If no mobile number, enter 0.
A19c. Third mobile phone number of the Household Head (cell_head1)	(Integer)	If no mobile number, enter 0.
A20. Sex of head of household (gender_head)	0 Male 1 Female	(Code)

B. HOUSEHOLD INFORMATION

B1. What is your age (years)? (age)	(Integer)
B1b. What is the age of the household head? (age_head) Skip if A11=1	(Integer)
B2. What is your marital status? (married) 1 Monogamously married 2 Polygamously married 3 Never married 4 Widowed 5 Divorced 6 Separated 7 Cohabiting	(Code)
B2b. What is the marital status of the household head? (married_head) Skip if A11=1 1 Monogamously married 2 Polygamously married 3 Never married 4 Widowed 5 Divorced 6 Separated 7 Cohabiting	(Code)
B3. What is the highest level of formal education that you have completed? (ed) 1 None 2 Grade 1/Sub-standard A 3 Grade 1/Sub-standard B 4 Grade 2/Standard 1 5 Grade 3/Standard 2 6 Grade 4/Standard 3 7 Grade 5/Standard 4 8 Grade 6/Standard 5 9 Grade 7/Standard 6	(Code)

	10 Grade 8/Form 1 11 Grade 9/Form 2 12 Grade 10/Form 3 13 Grade 11/Form 4 14 Grade 12/Form 5 15 Post-secondary 888 Don't know 999 Refused to answer	
B3b. What is the highest level of formal education completed by the household head? (ed_head) <i>Skip if A1 I=I</i>	1 None 2 Grade 1/Sub-standard A 3 Grade 1/Sub-standard B 4 Grade 2/Standard 1 5 Grade 3/Standard 2 6 Grade 4/Standard 3 7 Grade 5/Standard 4 8 Grade 6/Standard 5 9 Grade 7/Standard 6 10 Grade 8/Form 1 11 Grade 9/Form 2 12 Grade 10/Form 3 13 Grade 11/Form 4 14 Grade 12/Form 5 15 Post-secondary 888 Don't know 999 Refused to answer	(Code)
B4. Can you write your name? (write_name) <i>If 0, skip to B6</i>	0 No 1 Yes 888 Don't know 999 Refused to answer	(Code)
B5. Can you write a paragraph? (write_letter)	0 No 1 Yes 888 Don't know 999 Refused to answer	(Code)
B6. Can you read a newspaper in any language? (read_news)	0 No 1 Yes 888 Don't know 999 Refused to answer	(Code)
B7. What is your tribe? (tribe)	1 Chewa 2 N'goni 3 Nsenga 4 Tonga 5 Tumbuka 6 Senga 7 Kunda 8 Biza 9 Lunda 10 Luvale 11 Kaonde 12 Lozi 13 Bemba 14 Zambian only	(Code)

	15 Other, specify		
B7b. If other, please specify (tribeo) <i>Ask if B7=15</i>	(Text)		
B8. What is the tribe of your spouse? (tribe_spouse) <i>Skip if B2 ≠ 1 and A11=2</i>	1 Chewa 2 N'goni 3 Nsenga 4 Tonga 5 Tumbuka 6 Senga 7 Kunda 8 Biza 9 Lunda 10 Luvale 11 Kaonde 12 Lozi 13 Bemba 14 Zambian only 15 Other, specify	(Code)	
B8b. If other, please specify (tribe_spouseo) <i>Ask if B8=15</i>	(Text)		
B8c. What is the tribe of your senior spouse? (tribe_erspouse) <i>Only ask if B2=2</i>	1 Chewa 2 N'goni 3 Nsenga 4 Tonga 5 Tumbuka 6 Senga 7 Kunda 8 Biza 9 Lunda 10 Luvale 11 Kaonde 12 Lozi 13 Bemba 14 Zambian only 15 Other, specify	(Code)	
B8d. If other, please specify (tribe_erspouseo) <i>Ask if B8c=15</i>	(Text)		
B8e. What is the tribe of the household head? (tribe_head) <i>Only ask if A11 ≠ 1</i>	1 Chewa 2 N'goni 3 Nsenga 4 Tonga 5 Tumbuka 6 Senga 7 Kunda 8 Biza 9 Lunda 10 Luvale 11 Kaonde 12 Lozi 13 Bemba 14 Zambian only 15 Other, specify	(Code)	

B8f. If other, please specify (tribe_heado) Ask if B8e=15	(Text)	
B9. How many children do you have? (children) Include any children the household raised, including biological and non-biological and now-grown children	(Integer)	
B10. What is the tribe of your (eldest) child? (tribe_child) Skip if B9=0	1 Chewa 2 N'goni 3 Nsenga 4 Tonga 5 Tumbuka 6 Senga 7 Kunda 8 Biza 9 Lunda 10 Luvala 11 Kaonde 12 Lozi 13 Bemba 14 Zambian only 15 Other, specify	(Code)
B10b. If other, please specify (tribe_childo) Ask if B10=15	(Text)	
B11. What is your religion, if any? (religion)	1 UCZ 2 RCZ (Dutch Reformed) 3 ECZ 4 CMML 5 Salvation Army 6 Seventh Day Adventist 7 Catholic 8 Anglican 9 Nazareth 10 Pentacostal 11 Jehova's Witness 12 Baptist 13 Kimbaguist 14 African Methodist 15 Presbyterian 16 Islam 17 Other, specify 18 Not religious	(Code)
B11b. If other, please specify (religiono) Ask if B11=17	(Text)	
B12. Were you born in this locality? (born) If A11=1, skip to B13	0 No 1 Yes 888 Don't know 999 Refused to answer	(Code)
B12b. Was the household head born in this locality? (born_head)	0 No 1 Yes 888 Don't know	(Code)

	999 Refused to answer		
B13. How many years have you lived in this locality?(yrs_live) <i>Ask if B12 ≠ 1</i>	(Integer)		
B13b. How many years has the household head live in this locality? (yrs_live_head) <i>Only ask if A11 ≠ 1 and B12b ≠ 1</i>	(Integer)		
B14. Are you considered a local or non-local by others in this village? (local_no)	0 Non local 1 Local	(Code)	
B14b. Is the head considered a local or non-local by others in this village? (local_no_head) <i>Skip if A11 = 1</i>	0 Non local 1 Local	(Code)	
B15. When you were married, which spouse moved to the other spouse's village? (spouse_move) <i>Ask if B2 = 1,2,4,5,6</i>	1 Wife moved to husband's village 2 Husband moved to wife's village 3 Husband and wife both moved to new villages 4 Husband moved to wife's village for one year, then moved back to husband's village together 5 Husband and wife from same village, moved to a new home in that village 6 No one moved, the husband and wife live separately 7 Other, specify		
B15b. If other, please specify. (spouse_moveo) <i>Ask if B15 = 7</i>	(Text)		
B16. Is the land that your household farms passed down from the wife's family or the husband's family? (mat_pat)	1 Wife's family 2 Husband's family 3 Land was purchased by or given to the household 4 Other, specify 5 Don't know	(Code)	
B16b. If other, please specify. (mat_pat_oth) <i>Ask if B16 = 4</i>	(Text)		
B17. How many people live in your household? (size_hh) <i>A household is defined as individuals who "eat from the same pot" See your manual for a more detailed breakdown of the household</i>	(Integer)		
B18. How many people age 12 or older live in your household? (no_adultmale)	(Integer)		
B19. How many household members over the age of 12 attend school? (adult_school)	(Integer)		
B20. How many household members age 11 or younger attend school? (tchi_school)	(Integer)		
B21. What is the highest level of formal education completed by a member of this household? (highest_edu)	1 None 2 Grade 1/Sub-standard A 3 Grade 1/Sub-standard B 4 Grade 2/Standard 1 5 Grade 3/Standard 2 6 Grade 4/Standard 3 7 Grade 5/Standard 4 8 Grade 6/Standard 5 9 Grade 7/Standard 6	(Code)	

	10 Grade 8/Form 1 11 Grade 9/Form 2 12 Grade 10/Form 3 13 Grade 11/Form 4 14 Grade 12/Form 5 15 Post-secondary 16 Don't know 17 Refused to answer	
B22. How many household members left the village in the last year to find work? (migrate)	(Integer)	
B23. Did you work as hired labor (ganyu) on someone else's land during the last agricultural season? (hire) <i>If 0, skip to Section C</i>	0 No 1 Yes 888 Don't know 999 Refused to answer	
B24. How many total days did you do ganyu in the last agricultural season? (hiredays)	(Integer)	

C. OVERALL FARM LAND QUESTIONS

Now I would like to ask about the FARMLAND that your household used during the 2013/2014 agricultural season.

C1. During this agricultural year (2013/2014), what is the total land area that your household owns? (landarea_own)	(Integer)	
C1b. Units (unit1)	1 Lima 2 Acre 3 Hectare 4 Square Meter 5 Steps 6 Ropes 888 Don't know	(Code)
C2. During this agricultural year (2013/2014), what is the total land area that your household rents FROM other households? (grp_landarea_rentin) <i>Either cash payment or in-kind</i>	(Integer)	
C2b. Units (unit2)	1 Lima 2 Acre 3 Hectare 4 Square Meter 5 Steps 6 Ropes 888 Don't know	(Code)
C4. During this agricultural year (2013/2014), what is the total land area that your household borrows FROM other households? (grp_landarea_borrowin) <i>No payment or in-kind contribution expected</i>	(Integer)	
C4b. Units (unit22)	1 Lima 2 Acre 3 Hectare	(Code)

	4 Square Meter 5 Steps 6 Ropes 888 Don't know	
C5. During this agricultural year (2013/2014), what is the total land that your household rents TO other households? (grp_landarea_rentout) <i>Either cash payment or in-kind</i>	(Integer)	
C5b. Units (unit3)	1 Lima 2 Acre 3 Hectare 4 Square Meter 5 Steps 6 Ropes 888 Don't know	(Code)
C6. During this agricultural year (2013/2014), what is the total land that your household lends TO other households? (grp_landarea_borrowout) <i>No payment or in-kind contribution expected</i>	(Integer)	
C6b. Units (unit33)	1 Lima 2 Acre 3 Hectare 4 Square Meter 5 Steps 6 Ropes 888 Don't know	(Code)
C7. What is the total number of fields that your household owns? (totfield_own) <i>A field is defined as a piece of land with distinct boundaries defined by land-use</i>	(Integer)	
C8. What is the total number of fields that your household RENTS from other households? (totfield_rentin)	(Integer)	
C9. What is the total number of fields that your household BORROWS from other households? (totfield_borrowin)	(Integer)	
C10. What is the total number of fields that your household RENTS-OUT to other households? (totfield_rentout)	(Integer)	
C11. What is the total number of fields that your household LENDS to other households? (totfield_borrowout)		
ENUMERATOR CALCULATE: How many fields in total does the household use - either own, rent-in, or borrow? This figure will determine how many times the field roster is asked. (no_field)	(Integer)	
C12. How many of your fields were farmed for subsistence or cash crops during this agricultural year (2013/2014)? (subsistence) <i>Only consider land that is owned, rented in, or borrowed, not land that is rented out or lent to others</i>	(Integer)	
C13. How many of your fields were used as pastures or other non-agricultural uses, during this agricultural year (2013/2014)? (past_nonagri) <i>Only consider land that is owned, rented in, or borrowed, not land that is rented out or lent to others</i>	(Integer)	
C14. How many of your fields did you leave fallow during this agricultural year (2013/2014)? (fallowfields) <i>Only consider land that is owned, rented in, or borrowed, not land that is rented out or lent to others</i>	(Integer)	

C15. How many fields did your household plant agroforestry trees on during this agricultural year (2013/2014)? (tno_fields) <i>Agroforestry trees include musangu, glicidia, ububa, etc. Do not include pigeon peas or cowpeas.</i>	(Integer)
C16. In the past 5 years, has your household requested or tried to obtain additional land in this village for use by your household? (req_land)	0 No 1 Yes 888 Don't know 999 Refused to answer If 0, skip to C20
C17. From whom did you request this land? (whom_request)	1 Headman 2 Induna 3 Chief 4 Other
C17b. If other, please specify (whom_requesto)	(Text)
C18. How much land did your household request? (grp_area_request) <i>Probe and code</i>	(Integer)
C18b. Units (unit4)	1 Lima 2 Acre 3 Hectare 4 Square Meter 5 Steps 6 Ropes 888 Don't know
C19. What was the area of the land obtained? (grp_area_obtained)	(Integer)
C19b. Units (unit5)	1 Lima 2 Acre 3 Hectare 4 Square Meter 5 Steps 6 Ropes 888 Don't know
C20. What was the condition of the land when the household obtained it? (land_state)	1 Undeveloped 2 Fallow 3 Productive 4 Other, please specify
C20b. If other, please specify (land_stateo)	(Text)
C21. In the past five years, has your household ever had land that you were using reallocated by village or chief authorities to be used for other purposes? (reallocate)	0 No 1 Yes 888 Don't know 999 Refused to answer If 0, skip to Module D
C22. How many times was land reallocated? (reallocate_freq)	(Integer)
C23. Why was the land reallocated? (reallocate_exp)	(Text)
C24. How much land was reallocated? (reallocate_size)	(Integer)
C24b. Units (unit6)	1 Lima 2 Acre

		3 Hectare	
		4 Square Meter	
		5 Steps	
		6 Ropes	
		888 Don't know	

D. FIELD OVERVIEW

Now I would like to learn more about each of the fields that your household uses. Let's start with a discussion of your largest field.

f_id	Field Nickname (not a variable in the data set)	D1. What is the area of this field?		D2. What is the distance from your house to the field? <i>One way, from the main household</i>		D3. During this last agricultural season (2013-2014), did your household farm this field, leave it fallow, or use it for pasture or some other non-agricultural use? (See Code below) If not =1, skip to D5	D4. What was the main crop your household planted on this field during this agricultural season (2013/2014)? (See Code below)	D5. What was the method by which this field was acquired by your household? (1) <i>Inherited</i> (2) <i>Allocated by village</i> (3) <i>Purchased</i> (4) <i>Rented</i> (5) <i>Borrowed</i> (6) <i>Other, specify</i> If NOT 4, skip to D7	D6. Thinking over the past year, what type of payment did your household make for renting one or more of your fields from another household? (1) <i>Cash</i> (2) <i>Labor</i> (3) <i>Crops</i> (4) <i>Other, specify</i>	If D6=1 D6c. How much did you pay to rent this field? <i>In kwacha</i>	If D6a=2 D6d. How many person-days of labor did your household perform in exchange for renting this field?	If D6=3 D6e. What share of the field's crop yield did you give as payment for renting your field? (1) <i>Less than 25%</i> (2) <i>25% - 49%</i> (3) <i>About half</i> (4) <i>50%-74%</i> (5) <i>More than 75%</i>
		Area of field	Unit 1= <i>lima</i> 2= <i>acre</i> 3= <i>hectare</i> 4= <i>square meter</i> 5= <i>steps</i> 6= <i>ropes</i>	Distance	Units 1= <i>meters</i> 2= <i>kilometers</i>							
FIELD		farea	unit6a	Distance_feld	Unit6b	fieldpurp	main_crop	acquired_method	payment_rent	rent_pay_cash	rent_pay_kabor	rent_pay_croppr cnt
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												

Field Purpose (D3)	Crop code or Use Codes (D4)		
1=Farmed this field	1 Local maize	10 Finger millet (mawere)	19 Sugarcane
2=Left this field fallow	2 Composite (pollenated) maize	11 Sorghum	20 Cabbage Tanaposi
3=Left this field in improved fallow	3 Hybrid maize	12 Pearl millet (mchewere)	21 Nkhwani
4=Used this field as pasture/other non-agricultural use	4 Cassava	13 Bean	22 Therere/Okra
	5 Sweet potato	14 Soyabean	23 Tomato
	6 Irish potato	15 Pigeon Peas	24 Onion
	7 Groundnet	16 Burley tobacco	25 Peas
	8 Ground bean (Nzama)	17 Tobacco (other)	26 Trees or woodlot
	9 Rice	18 Cotton	27 Sunflower
			28 Other, specify

D. FIELD OVERVIEW

f_id	If D6=3 D6f. What crop did you give? See code below	If D6=3 D6g. How much of the crop did your household give in return for renting this field? Unit: (1) ox cart (2) kilo (3) litres (4) tins (5) 25 kg bunch (6) crates (7) tonnes (8) grams		D7. What year did you household acquire this field? If they don't know because it has been in the family a long time, enter 777	D8. Who primarily decides how to use this field? (See Code below)	D9. What is the primary soil type of this field? (1)Clay (2)Sandy loamy (3)Loamy (4)Silt (5)Gravel (6)Other (7) Black	D10. Overall, what is the slope of this field? (1)Flat (2)Slightly sloped (3)Steeply sloped	Ask if D3 does not equal 2 D11. Is the field irrigated? (0) No (1) Yes (888) Don't know (999) Refuse to answer If not 1, skip to D17	D12. What water source does your household primarily use to irrigate this field? 1)Stream/River 2) Public well or borehole 3) Hand pump or treadle pump 4) Piped public water 5) Other, specify
FIELD	rent_pay_crop	rent_pay_crop_amount	rent_pay_crop_unit	year_acquire	who_decide	soil_type	field_slope	irrigated	water_source
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									

Primary Decision (D9)	Crop code or Use Codes (D7f)			
1=Head of household	1 Local maize	11 Sorghum	21 Nkhwani	
2=Spouse	2 Composite (pollenated) maize	12 Pearl millet (mchewere)	22 Therere/Okra	
3=Both Head and spouse together	3 Hybrid maize	13 Bean	23 Tomato	
4=Other male household member	4 Cassava	14 Soyabean	24 Onion	
5=Other female household member	5 Sweet potato	15 Pigeon Peas	25 Peas	
6=Other, specify	6 Irish potato	16 Burley tobacco	26 Trees or woodlot	
	7 Groundnet	17 Tobacco (other)	27 Sunflower	
	8 Ground bean (Nzama)	18 Cotton	28 Other, specify	
	9 Rice	19 Sugarcane		

	10 Finger millet (mawere)	20 Cabbage Tanaposi	
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D. FIELD ROSTER (continued)

Enumerator: Copy the field nickname to the roster below making sure these correspond to the same field number (f_id) in Table D.1.

f_id	Field Nickname	D21. What was the main tillage method used? (1) Conventional hand hoeing (2) Planting basins / pot holing (3) Zero tillage (4) Ploughing (5) Ripping (6) Ridging (before planting) (7) Bunding (8) Mounding	D22. What types of fertilizer did you use on this field? (See Code below. Select all that apply)	D23. What quantity of fertilizer (in total) did the household apply to this field? In kgs Skip if D22=0	D24. How many times did you spray this field with herbicide during this agricultural season (2013-2014)?	D25. Within the past 5 years, has your household ever let this field rest (lie fallow)? (0) No (1) Yes (888) Don't know (999) Refused to answer If No, skip to D28	D26. How long did the field lay fallow? (years/months)		D27. How much seed did your household plant on this field at first planting? (OR SEEDS, TUBES)	
							years	months	Amount	Units (1) Ox cart (2) Kilo (3) Litre (4) Tins (5) 25 Kg bunches (6) Crates (7) Tonnes If other unit, specify
FIELD	f_nickname	tillage	fertilizer	fertilizer_kgs	herbicide	fallow5	fallowseason_yrs	fallowseason_mnth	seedquant	unit7
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										

Fertilizer types (D22)

0	None	7	Di-grow (foliar)	13	Allwin top
1	Compound D	8	Wonder (foliar)	14	Flower&Plant (foliar)
2	Compound X	9	Vegetative (foliar)	15	Compound B
3	Triple Super Phosphate (TSP)	10	Urea	16	Manure
4	Single Super Phosphate	11	Ammonium Nitrate	888	Do not know
5	Compound R	12	CAN		
6	Compound WV				

E. FIELD ROSTER– AGROFORESTRY

Enumerator: Copy the field nickname to the roster below making sure these correspond to the same field number (f_id) in Table D.1.

f_id	Field Nickname	E1. Is this field currently planted with agroforestry trees or shrubs, such as musangu, gliricidia, ububa, cowpeas, or pigeon peas? (0) No (1) Yes (888) Don't know (999) Refused to answer If 0, skip Module F	E2. What year did you first plant agroforestry trees on this field?	E3. Are these trees intercropped, planted in blocks or planted around the perimeter of this field? (1) Perimeter (2) Block planting (3) Intercropped If 1 or 2, skip to E5	E4. What other crop is intercropped with your agroforestry trees? 1) Cotton 2) Maize 3) Groundnuts 4) Other	E5. Did your household plant trees across the whole field, 3/4 of the field or 1/4 of the field? 1) Whole field 2) 3/4 of the field 3) 1/2 of the field 4) 1/4 of the field 5) Less than 1/4 of the field	E6. Which species of tree did your household plant? Select all that apply 1) Musangu (Faidherbia albida) 2) Gliricidia (Gliricidia sepium) 3) Sesbania sesban 4) Ububa (Tephrosia vogelii) 5) Cowpeas 6) Pigeon peas 7) Other. Specify
FIELD	f_nickname	agroforest	agear	agpattern	agintercrop	agextent	agspecies
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							

E. FIELD – AGROFORESTRY (continued)

Enumerator: Copy the field nickname to the roster below making sure these correspond to the same field number (f_id) in Table D.1.

F_id		E10a. How many seedlings of ububa did your household plant? Ask if E6=4 If 0, skip to E11	E10b. Unit 1) seedlings 2) grams of seeds 3) Kgs of seeds	E10c. What is the spacing in meters between each ububa tree your household planted?	E11a. How many kgs of Cowpea seeds did your household plant? Ask if E6=5 If 0, skip to E12	E11b. How much of this field is covered by cowpeas? 1) Whole field 2) $\frac{3}{4}$ of the field 3) $\frac{1}{2}$ of the field 4) $\frac{1}{4}$ of the field 5) Less than $\frac{1}{4}$ of the field
FIELD	f_nickname	agseedubu	Agseedubu_unit	agseedubu_space	agseedcowpea	agseedcowpea_space
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

E. FIELD – AGROFORESTRY (continued)

Enumerator: Copy the field nickname to the roster below making sure these correspond to the same field number (f_id) in Table D.1.

f_id	Field Nickname	E12a. How many kgs of Pigeon pea seeds did your household plant on this field? Ask if E6=6 If 0, skip to E13	E12b. How much of this field is covered by pigeon peas? 1) Whole field 2) ¾ of the field 3) ½ of the field 4) ¼ of the field 5) Less than ¼ of the field	E13. How many trees are surviving? Count all musangu, gliricidia, sesbania, and ububa trees. Do not include cowpeas or pigeon peas.	E14. Where did you obtain the seedlings? (See Code below) Probe and Code, select all that apply	E15. What were the two most important reasons that you chose to plant trees/shrubs on this field? (See Code below) Probe and Code	E16. Til present, please list the two most important benefits you have already experienced from your agroforestry tree/shrub planting on your farm? (See Code below) Probe and Code, select all that apply
FIELD	f_nickname	agseedpigpea	agseedpigpea_space	agseedsurv	agseedsrce	agreason	agforben
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							

Agroforestry planting reasons (E15)		Agroforestry benefit reasons (E16)		Obtain (E14)
1=More fertile for the soil	7=Improve crop yields	1=No benefits experienced yet/No benefits	7=Increased fuelwood availability	1=CFU (Conservation Farming Unit)
2=Improve moisture	8=Strengthen claim to land	2=Improved soil fertility	8=Increased pollination	2=SVA/IPA/Dunavan
3=Substitute if crop fails	9=Raise market value of land for later sale	3=Reduced weeds	9=Increased shade	3=YGL
4=Prevent soil erosion	10=Strengthen ability to bequeath land to children	4=Improved crop growth around the tree	10=Reduced soil erosion	4=Purchased in the village
5=Protect from floods	11=Raise value of land to use as collateral	5=Reduced labor time on weeding activities	11=Other, specify	5=Purchased in the nearest boma
6=Improve soil quality	12=Seedlings were free or subsidized	6=Higher overall crop yield	12=None	6=Purchased in Chipata
	13=Other, specify		888=Don't know	7=Other, specify

F. FIELD – INVESTMENTS AND IMPROVEMENTS

Enumerator: Copy the field nickname to the roster below making sure these correspond to the same field number (f_id) in Table D.1.

f_id	Field Nickname	F1. In the field, how was the crop/field residue from the last agricultural season mainly used or disposed of? (See residue Code Below) Probe and Code	F2a. In the past five years, did your household improve this field with planting basins (pot holes)? (0) No (1) Yes (888) Don't know (999) Refused to answer If 0, 888, or 999 skip to F3a	F2b. What years did your household plant basins in this field? (2009-2014)	F2c. What are the two most important reasons why your household chose to plant basins in the field? (See Reasons Code Below)	F3a. In the past five years, did your household improve this field through zero tillage? (0) No (1) Yes (888) Don't know (999) Refused to answer If 0, 888, or 999 skip to F4a	F3b. What years did your household improve this field through zero tillage?	F3c. What are the two most important reasons why your household chose to use this method?	F4a. In the past five years, did your household improve this field through ridging, mounding, or terracing? (0) No (1) Yes (888) Don't know (999) Refused to answer If 0, 888, or 999 skip to F5a	F4b. What years did your household improve this field through ridging, mounding, or terracing? (2009-2014)	F4c. What are the two most important reasons why your household chose to use ridging, mounding, or terracing?
FIELD	f_nickname	residue	plantbasin	plantbasin yr	plantbasinrsn	zerotill	xerotillyr	zerorsn	ridge	ridgeyr	ridgersn
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											

Crop residue use (F1)		Reasons – (F2c,3c,4c,5c,6c,7c)
1) Left in fields then plowed/incorporated into the field 2) Burned on the field 3) Cut and spread on the field 4) Cut and removed from the field and fed to animals 5) Cut and removed from the field for other household uses 6) Grazed by animals	7) For sale 8) Mulched 9) Other 10) No crop residue because they did not cultivate on this field during the last agricultural season	1 Prevent soil erosion 2 Protect from floods 3 Improve soil quality 4 Improve crop yields 5 Strengthen claim to land 6 Raise market value of land for later sale 7 Strengthen ability to bequeath land to children 8 Raise value of land to use as collateral 9 Other 888 Don't know 999 Refused to answer

G.FIELD-TENURE STATUS

Enumerator: Copy the field nickname to the roster below making sure these correspond to the same field number (f_id) in Table D.1.

f_id	Field Nickname	G1. What is the tenure status of this field? (1)State land (2)Former customary land converted to state land (3)Customary (4)Other,specify (888)Don't know (999)Refuse to answer	G2. Do you or your household have any kind of paper documentation for this field? (0)No (1)Yes (888)Don't know (999)Refused to answer If 0,,skip to G12	G3. What type of documentation does your household have for this field? See code below If not 4, skip to G4	G3c. Who is this letter signed by? (1)Chief (2)District Council (3)Both (888)Don't know (999)Refused to answer	G4. Which household members are listed on the documentation for this field? (1)Husband only (2)Wife only (3)Husband and wire (4)Husband, wife and children (5)Other Probe and code	G5. What year was this documentation obtained?	G6. Who facilitated obtaining this documentation? (1)Headman (2)Land Committee Member (3)YGL (4)NGO (5)Friend/relative (6)Other,specify Probe and code	G7. Til present, please list the two most important benefits you have already experienced from having a customary certificate for this field? (See Code Below)	G8. Do you expect to receive any important benefits in the next 3-5 years from having a customary certificate for this field? (0)No (1)Yes (2)Don't know (3)Refused to answer If No,skip to G10 Ask only if G3=1
FIELD	f_nickname	tenurestatus	paperdoc	document	docsign	document_me m	document_y r	document_help	certificate_ben	certificate_benfuture
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										

Benefits to documentation (G7)	Documentation Type (G3)
1=Reduce likelihood of losing my land 2=Protects investments I have made on my land 3=Strengthens the ability for my children to inherit the land 4=Helps me to obtain access to credit 5=Other	1=Customary land certificate 2=State land lease/title - 14 year lease 3=State land lease/title - 99 year lease 4=Letter of consent not yet registered with the Ministry of Lands 5=Other documentation

G.FIELD-TENURE STATUS (continued)

Enumerator: Copy the field nickname to the roster below making sure these correspond to the same field number (f_id) in Table D.1.

f_id	Field Nickname	G9. Please list the two most important benefits you expect to receive from having a customary land certificate in the next 3-5 years (See Code Below)	G10. Have you experienced any negative effects as a result of having a customary certificate for this field? (0)No (1)Yes (2)Don't know (999)Refused to answer If not 1, skip to G16	G11. Please briefly explain .	G12. If you could obtain a paper document of your right to use this field, would you? (0)No (1)Yes (888)Don't know (999)Refused to answer If 0,, skip to G14	G13. Why would you want to obtain a paper document of your right to use this field? (See code below) skip to G15	G14. Why would you NOT want to obtain a paper document of your right to use this field?	G15. Does the lack of formal documentation of your occupancy of this field discourage you from making improvements on this land? (0)No (1)Yes (888)Don't know (999)Refused to answer If '0, skip to G16	G15b. Please explain..	G16. If you did not have formal documentation of your occupancy of this field, would that discourage you from making improvements on this land? (0)No (1)Yes (888)Don't know (999)Refused to answer If 1, skip to G17	G16b. Please explain .
FIELD	f_nickname	certificate_benfuture2	certificate_neg	certificate_neg expl	papdoc_yn	papdoc_why	nopapdoc_why	noformaldoc_effect	noformaldoc_effectexp	formaldoc_effect	formaldoc_effectexp
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											

Benefits to documentation (G9)	Reasons(G13)
1=Reduce likelihood of losing my land	1=Reduce likelihood of losing my land
2=Protects investments I have made on my land	2=Protects investments I have made on my land
3=Strengthens the ability for my children to inherit the land	3=Strengthens the ability for my children to inherit the land
4=Helps me to obtain access to credit	4=Helps me to obtain access to credit
5=Other	5=Other, specify

G.FIELD-TENURE STATUS (continued)

Enumerator: Copy the field nickname to the roster below making sure these correspond to the same field number (f_id) in Table D.1.

f_id	Field Nickname	G17. How likely do you think it is that that other households within your village may try to cross-over your boundaries (step on your side) and take or use some of this field? (See Code Below)		G19. How likely do you think it is that elites/big people may take this field without your permission/agreement? (See Code Below)		G21. How likely do you think it is that people from a neighboring community with encroach/cross-over to use this field? (See Code Below)		G23. How likely do you think it is that the chief will give this field up for investment purposes? (See Code Below)		G25. How likely do you think it is that the village headman will re-allocate some or all of this field to another household or for other purposes? (See Code Below)		G27. How likely is it that someone from within your extended family will take over the use of this field? (See Code Below)		G29. How many seasons could you let this field lie fallow without being worried about the field being reallocated to another household? <i>If they do not think it will ever be reallocated, enter 777</i>
		in the next 1-3 years?	beyond 4 years from now?	in the next 1-3 years?	beyond 4 years from now?	in the next 1-3 years?	beyond 4 years from now?	in the next 1-3 years?	beyond 4 years from now?	in the next 1-3 years?	beyond 4 years from now?	in the next 1-3 years?	beyond 4 years from now?	
FIELD	f_nickname	villhh_encroach	villhh_encroach3	elite_encroach	elite_encroach3	neighvill_encroach	neighvill_encroach3	chief_reallocate	chief_reallocate3	headman_reallocate	headman_reallocate3	family_encroach	family_encroach3	fallow_seasons
1														
2														
3														
4														
5														
6														
7														
8														
9														
10														

Likescala (G17,19,21,23,25,27)	
1=Impossible/would never happen	5=Very Likely
2=Highly unlikely	6=Happening right now
3= Unsure/I don't know	7=Refused to answer
4=Likely	

H. FIELD - LAND CONFLICT

Enumerator: Copy the field nickname to the roster below making sure these correspond to the same field number (f_id) in Table D.1.

f_id	Field Nickname	H1. Have you ever experienced a land dispute on this field? (A dispute is defined as a confrontation that is either long and drawn out, led to violence or property destruction, or required the involvement of a third party to resolve.) (0) No (1) Yes (888) Don't know (999) Refused to answer If 0, skip to Section I	H2. In the past three years, how many land disputes have you experienced on this field?	H3a. How many boundary disputes have you experienced on this field in the past three years? If 0, skip to H4	H3b. Who was involved in this dispute? See code below Select all that apply	H4a. How many inheritance disputes have you experienced on this field in the past three years? If 0, skip to H5	H4b. Who was involved in this dispute? See code below Select all that apply	H5a. How many disputes about renting have you experienced on this field in the past three years? If 0, skip to H6	H5b. Who was involved in this dispute? See code below Select all that apply	H6a. How many disputes about land reallocation have you experienced on this field in the past three years? If 0, skip to H7	H6b. Who was involved in this dispute? See code below Select all that apply
FIELD	f_nickname	sectionhdispute	Dispute_count	boundarydispute	boundarydisputewho	inheritancedispute	inheritancewho	rentdispute	rentdisputewho	landreallocatedispute	landreallocatewho
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											

Conflict party – 3b, 4b, 5b, 6b, 7b, 8b, 9b, 10b, 11b		
1- Extended family 2- Household member 3- Friend/neighbor from your village 4- Stranger from same tribe within your village 5- Stranger from different tribe within your village	6- Official or leader from your village 7- Official or leader from outside your village 8- Household from another village 9- Chief or higher authority	10- Other 888- Don't know 999- Refused to answer

H. FIELD - LAND CONFLICT (continued)

Enumerator: Copy the field nickname to the roster below making sure these correspond to the same field number (f_id) in Table D.1.

f_id	Field Nickname	H7a. How many disputes about livestock grazing have you experienced on this field in the past three years? <i>If 0, skip to H8</i>	H7b. Who was involved in this dispute? <i>See code below</i> <i>Select all that apply</i>	H8a. How many disputes about tree cutting have you experienced on this field in the past three years? <i>If 0, skip to H9</i>	H8b. Who was involved in this dispute? <i>See code below</i> <i>Select all that apply</i>	H9a. How many disputes about tree ownership have you experienced on this field in the past three years? <i>If 0, skip to H10</i>	H9b. Who was involved in this dispute? <i>See code below</i> <i>Select all that apply</i>	H10a. How many disputes about fires or burning have you experienced on this field in the past three years? <i>If 0, skip to H11</i>	H10b. Who was involved in this dispute? <i>See code below</i> <i>Select all that apply</i>	H10a. How many disputes about fencing have you experienced on this field in the past three years? <i>If 0, skip to H11</i>	H10b. Who was involved in this dispute? <i>See code below</i> <i>Select all that apply</i>
FIELD	f_nickname	grazedispute	grazedisputewho	treecutdispute	treecutdisputewho	treeowndispute	treeowndisputewho	firedispute	firedisputewho	fencedispute	fencewho
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											

Conflict party – 3b, 4b, 5b, 6b, 7b, 8b, 9b, 10b, 11b		
1- Extended family	6- Official or leader from your village	10-Other
2- Household member	7- Official or leader from outside your village	888- Don't know
3- Friend/neighbor from your village	8- Household from another village	999- Refused to answer
4- Stranger from same tribe within your village	9- Chief or higher authority	
5-Stranger from different tribe within your village		

H. FIELD - LAND CONFLICT (CONTINUED)

Now I would like to ask you about the ways that you attempted to resolve this dispute.

Enumerator: Copy the field nickname to the roster below making sure these correspond to the same field number (f_id) in Table D.1.

f_id	Field Nickname	H.12 What is the longest time period that it has taken for a dispute to be resolved? (See code below)	H.13 Where is the FIRST place this land dispute was taken to be resolved? (See Dispute Place Code Below)	H.14 How satisfied were you with this outcome? (See Satisfaction Code Below)
FIELD	f_nicknam e	dispute_restime	dispute_res	dispute_satis
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

Time Period (H21)	Dispute Place (H22)		Satisfaction (H23)
1=A couple days	1=Headman/woman	7=YGL	1=Very satisfied
2=About 1 week	2=NGO	8=Chief or other higher authority	2=Satisfied
3=Several weeks	3=Cooperative farmer group	9=Induna	3=Neutral
4=About one month	4=Chipata District Land Alliance	10=Resolved myself	4=Dissatisfied
5=Several month	5=Village Land Committee	11=Other, specify	5=Very dissatisfied
6=About one year	6=Neighbor		6=Refused to answer
7=2-3 years			
8=More than 3 years			

I. AGROFORESTRY GENERAL

	<p>11. What are the two most important reasons why you have not planted any agroforestry trees on your fields? (noagfor_rsns)</p> <p><i>Probe and code. Select all that apply.</i></p>	<p>1 I don't have enough knowledge on tree planting</p> <p>2 I can't obtain seedlings</p> <p>3 I don't have enough labor</p> <p>4 I don't have access to enough water for tree planting</p> <p>5 I can't protect seedlings or trees I plant from livestock browsing on my fields after harvest</p> <p>6 I can't protect seedlings or trees I plant from fires that burn on my fields after harvest</p> <p>7 I don't see any benefits to doing so</p> <p>8 I don't have enough certainty the land will still be mine by the time the benefits appear</p> <p>9 Other</p> <p>888 I don't know</p> <p>999 Refused to answer</p>	(Code)
	11b. If other, please specify. (noagfor_rsnso)	(Code)	
	<p>12. In the past year, when you needed advice regarding the trees which you planted in the past 12 months, who did you primarily consult? (agconsult)</p> <p><i>If 5, ask 1.2b. If 8, ask 1.2c. If neither, skip to 1.3</i></p>	<p>1 YGL</p> <p>2 Neighbor</p> <p>3 Government extension agent</p> <p>4 Cooperative or farmers association</p> <p>5 NGO extension agent</p> <p>6 No one</p> <p>888 Don't know</p> <p>8 Other</p>	(Code)
	12b. Please specify the NGO. (agconsult_ngo)	(Text)	
	12c. If other, please specify. (agconsulto)	(Code)	
	<p>13. Did you experience any challenges or risks from your agroforestry tree planting? (agriskso)</p> <p><i>Probe and code</i></p>	<p>1 More pests/weeds/disease</p> <p>2 Competition for water</p> <p>3 Human-wildlife conflict</p> <p>4 Other</p> <p>5 No risks</p>	(Code)
	13b. Other, specify (agriskso)	(Text)	

J. AGROFORESTRY AND RELATED EXTENSION

Please tell us about the advice, information that your household has received from organizations, private agents, or individuals about agroforestry or conservation farming.

	<p>J1. In the past year, has your household received any advice on conservation farming? (cfadvice)</p> <p><i>If 0, 888, or 999 skip to J5</i></p>	<p>0 No</p> <p>1 Yes</p> <p>888 Don't know</p> <p>999 Refused to answer</p>	(Code)
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	J2. How did your household receive this advice or information? (cfinfoflat) <i>Probe and code</i>	1 Informal conversation 2 Radio program 3 Pamphlet 4 Workshop Demonstration plot 5 Visit by extension agent Meeting 6 Training Programme SMS or phone call 7 Other Don't know 8 Refused to answer 10 9 888 999	(Code)
	J2b. If other, please specify (cfinfoflat_o) (Text)		
	J3. Did your household receive advice on agroforestry? (agadvice) <i>If 0, 888, or 999 skip to J5</i>	0 No 1 Yes 888 Don't know 999 Refused to answer	(Code)
	J4. How did your household receive this advice or information? (aginfoflat) <i>Probe and code</i>	1 Informal conversation 2 Radio program 3 Pamphlet 4 Workshop 5 Demonstration plot 6 Visit by extension agent 7 Meeting 8 Training Programme 10 SMS or phone call 9 Other 888 Don't know 999 Refused to answer	(Code)
	J4b. If other, please specify (aginfoflat_o) (Text)		

	J5. In the past year, how many times did someone visit your household's farm from a government extension office, NGO, YGL, co-op, or farmer's association representative? (agcfvisit)		(integer)
	J.6 In the past year, how often has someone in your household participated in a meeting or field day organized by a government extension officer (camp officer), NGO, or some other organization? (cfag_participate)	1 Every day 2 A couple times per week 3 Once per week 4 A couple times per month 5 Once per month 6 Several times per year 7 Once a year 8 Never 888 Don't know 999 Refused to answer	(Code) Every day 2 A couple times per week 3 Once per week 4 A couple times per month 5 Once per month 6 Several times per year 7 Once a year 8 Never 888 Don't know 999 Refused to answer

K. LAND USE RULES

Now I would like to ask you about rules or customs in your village about land use and land management.

	K1a. Are there rules in this village which regulate or restrict grazing of livestock on communal lands? (rule_graze) If 0, 888, or 999 skip to K2a	0 No 1 Yes 888 Don't know 999 Refused to answer	(Code)
	K1b. How well do you think that these rules about grazing livestock on communal lands are followed by households in this village? (rule_grazefollow)	1 Everyone obeys the the rule 2 Most household obey the rule 3 Some households obey the rule and some household break the rule 4 Only a few households actually obey the rule 5 No households obey the rule 888 Don't know 999 Refused to answer	(Code)
	K1c. If a person does not follow these rules about grazing livestock on communal lands, is there a consequence? Will they be punished? (rule_grazepunish)	1 Yes - rule breakers are always punished 2 Maybe - sometimes rulebreakers are punished 3 Maybe - it depends on who breaks the rule 4 No - people are never punished for breaking the rules 888 Don't know 999 Refused to answer	(Code)
	K2a. Are there rules in this village which regulate or restrict grazing on fields after harvest? (rule_seasonalgraze) If 0, 888, or 999 skip to K3a	0 No 1 Yes 888 Don't know 999 Refused to answer	(Code)
	K2b. How well do you think that these rules about seasonal grazing on fields after harvest are followed by households in this village? (rule_seasonalgrazefollow)	1 Everyone obeys the the rule 2 Most household obey the rule 3 Some households obey the rule and some household break the rule 4 Only a few households actually obey the rule 5 No households obey the rule 888 Don't know 999 Refused to answer	(Code)
	K2c. If a person does not follow these rules about seasonal grazing on fields after harvest, is there a consequence? With they be punished? (rule_seasonalgrazepunish)	1 Yes - rule breakers are always punished 2 Maybe - sometimes rulebreakers are punished 3 Maybe - it depends on who breaks the rule 4 No - people are never punished for breaking the rules 888 Don't know 999 Refused to answer	(Code)
	K3a. Are there rules in this village which regulate or restrict cutting trees on fields? (rule_treecut) If 0, 888, or 999, skip to K4a	0 No 1 Yes 888 Don't know 999 Refused to answer	(Code)

	<p>K3b. How well do you think that these rules about cutting trees are followed by households in this village? (rule_treecutfollow)</p>	<p>1 Everyone obeys the the rule 2 Most household obey the rule 3 Some households obey the rule and some household break the rule 4 Only a few households actually obey the rule 5 No households obey the rule 888 Don't know 999 Refused to answer</p>	(Code)
	<p>K3c. If a person does not follow these rules about cutting trees, is there a consequence? With they be punished? (rule_treecutpunish)</p>	<p>1 Yes - rule breakers are always punished 2 Maybe - sometimes rulebreakers are punished 3 Maybe - it depends on who breaks the rule 4 No - people are never punished for breaking the rules 888 Don't know 999 Refused to answer</p>	(Code)
	<p>K4a. Are there rules in this village which regulate or restrict ownership over trees planted on fields? (rule_treeown) <i>If 0, 888, or 999 skip to K5a</i></p>	<p>0 No 1 Yes 888 Don't know 999 Refused to answer</p>	(Code)
	<p>K4b. How well do you think that these rules which regulate or restrict ownership over trees planted on fields are followed by households in this village? (rule_treeownfollow)</p>	<p>1 Everyone obeys the the rule 2 Most household obey the rule 3 Some households obey the rule and some household break the rule 4 Only a few households actually obey the rule 5 No households obey the rule 888 Don't know 999 Refused to answer</p>	(Code)
	<p>K4c. If a person does not follow these rules about the ownership of trees planted on field, is there a consequence? Will they be punished? (rule_treeownpunish)</p>	<p>1 Yes - rule breakers are always punished 2 Maybe - sometimes rulebreakers are punished 3 Maybe - it depends on who breaks the rule 4 No - people are never punished for breaking the rules 888 Don't know 999 Refused to answer</p>	(Code)
	<p>K5a. Are there rules in this village which regulate or restrict setting fires for land clearing, land preparation or post-harvest burning on your fields? (rule_fire) <i>If 0, 888, or 999 skip to K6a</i></p>	<p>0 No 1 Yes 888 Don't know 999 Refused to answer</p>	(Code)
	<p>K5b. How well do you think that these rules which regulate or restrict setting fires for land clearing, land preparation or post-harvest burning are followed by households in your village? (rule_firefollow)</p>	<p>1 Everyone obeys the the rule 2 Most household obey the rule 3 Some households obey the rule and some household break the rule 4 Only a few households actually obey the rule 5 No households obey the rule 888 Don't know</p>	(Code)

		999	Refused to answer	
	K5c. If a person does not follow these rules about setting fire for land clearing, land preparation or post-harvest burning on your fields, is there a consequence? Will they be punished? (rule_firepunish)	1 2 3 4 888 999	Yes - rule breakers are always punished Maybe - sometimes rulebreakers are punished Maybe - it depends on who breaks the rule No - people are never punished for breaking the rules Don't know Refused to answer	(Code)
	K6a. Are there rules in this village which regulate or restrict fencing of land on your fields? (rule_fence) <i>If 0, 888, or 999 skip to Section L</i>	0 1 888 999	No Yes Don't know Refused to answer	(Code)
	K6b. How well do you think that these rules which regulate or restrict fencing on your land are followed by households in your village? (rule_fencefollow)	1 2 3 4 5 888 999	Everyone obeys the the rule Most household obey the rule Some households obey the rule and some household break the rule Only a few households actually obey the rule No households obey the rule Don't know Refused to answer	(Code)
	K6c. If a person does not follow these rules about fencing, is there a consequence? Will they be punished? (rule_fencepunish)	1 2 3 4 888 999	Yes - rule breakers are always punished Maybe - sometimes rulebreakers are punished Maybe - it depends on who breaks the rule No - people are never punished for breaking the rules Don't know Refused to answer	(Code)

L. GOVERNANCE AND ACCOUNTABILITY

Now I am going to ask you some questions about decision-making about land related issues in your village.

	L1. Does your village have a village land committee (VLC)? (vlc)	0 1 888 999	No Yes Don't know Refused to answer	
	L2. In your village, who is the most important decision maker about land? (land_leaders)	1 2 3 4 5 6	Headman Induna Chief Village Land Committee Elders Other	
	L2b. If other, please specify(land_leaderso)	(Text)		
	L3. How often did you or anyone in your household attend meetings about land rights, land allocation processes and land conflicts or resolution of disputes? (land_participate)	1 2 3	Always or nearly every time one was held Often A few times	(Code)

	If 1, 2, 3, 4, 888, or 999 skip L5	4 Once or twice 5 Never 888 Don't know 999 Refused to answer	
	L4. Why did you not attend these meetings? (land_noparticipate) Probe and code	1 Not interested 2 Feel they are not useful Was not informed/Did not know about the 3 meeting 4 No meetings were held on these issues 5 Busy working/travelling 6 Other	(Code)
	L4b. If other, please specify	(Text)	
	L5. How satisfied are you with the way that the Land Committee is managing customary land in this village? (land_satisfaction)	1 Very satisfied 2 Satisfied 3 Neutral 4 Dissatisfied 5 Very dissatisfied 6 Refused to answer	(Code)

Now I am going to read some statements about land management in your village. Please tell me how much you agree or disagree.

	L6. The village leaders/VLC are trusted and honest. (leader_trust)	1 Strongly Agree 2 Agree 3 Neither Agree or Disagree 4 Disagree 5 Strongly Disagree 888 Don't know 999 Refused to answer	(Code)
	L7. The village leaders/VLC protect shared community land from being taken or encroached upon. (leader_protect)	1 Strongly Agree 2 Agree 3 Neither Agree or Disagree 4 Disagree 5 Strongly Disagree 888 Don't know 999 Refused to answer	(Code)
	L8. The village leaders allocate land fairly across households. (leader_fair)	1 Strongly Agree 2 Agree 3 Neither Agree or Disagree 4 Disagree 5 Strongly Disagree 888 Don't know 999 Refused to answer	(Code)
	L9. The village leaders/VLC do not act in secret; they are open with the community about their decisions. (leader_transparent)	1 Strongly Agree 2 Agree 3 Neither Agree or Disagree 4 Disagree 5 Strongly Disagree 888 Don't know 999 Refused to answer	(Code)
	L10. I feel that rules about land are clear and well- known. (rules_clear)	1 Strongly Agree 2 Agree	(Code)

		3 Neither Agree or Disagree 4 Disagree 5 Strongly Disagree 888 Don't know 999 Refused to answer	
	L11. I feel that decisions about customary land allocation are NOT transparent. (decisions_transparent)	1 Strongly Agree 2 Agree 3 Neither Agree or Disagree 4 Disagree 5 Strongly Disagree 888 Don't know 999 Refused to answer	(Code)
	L12. I feel that decisions about customary land allocation are fair. (decisions_fair)	1 Strongly Agree 2 Agree 3 Neither Agree or Disagree 4 Disagree 5 Strongly Disagree 888 Don't know 999 Refused to answer	(Code)
	L13. I feel that women have been disadvantaged in decisions about land allocation. (women_status)	1 Strongly Agree 2 Agree 3 Neither Agree or Disagree 4 Disagree 5 Strongly Disagree 888 Don't know 999 Refused to answer	(Code)
	L14. I feel that elderly people have been disadvantaged in decisions about land allocation. (elderly_status)	1 Strongly Agree 2 Agree 3 Neither Agree or Disagree 4 Disagree 5 Strongly Disagree 888 Don't know 999 Refused to answer	(Code)
	L15. I feel that poor families have been disadvantaged in decisions about land allocation. (poor_status)	1 Strongly Agree 2 Agree 3 Neither Agree or Disagree 4 Disagree 5 Strongly Disagree 888 Don't know 999 Refused to answer	(Code)
	L16. I feel that households that do not share the tribe of the headman have been disadvantaged in decisions about land allocation. (tribe_status)	1 Strongly Agree 2 Agree 3 Neither Agree or Disagree 4 Disagree 5 Strongly Disagree 888 Don't know 999 Refused to answer	(Code)
	L17. I feel that our village leaders are accountable for the land allocation decisions they make. (leaders_accountable)	1 Strongly Agree 2 Agree 3 Neither Agree or Disagree 4 Disagree	(Code)

		5 Strongly Disagree 888 Don't know 999 Refused to answer	
	L18. If I have a land dispute, I feel confident that the chief will enforce my land rights. (chief_enforce)	1 Strongly Agree 2 Agree 3 Neither Agree or Disagree 4 Disagree 5 Strongly Disagree 888 Don't know 999 Refused to answer	(Code)

M. LIVESTOCK ASSETS

Now I would like to ask you about the number of livestock that your household currently owns. Include both adults and babies.

M.1	How many cattle does your household own? (cattle)	(Numeric)
M.2	How many village chickens does your household own? Include chicks (chicken)	(Numeric)
M.3	How many guinea fowls does your household own? (guineafowls)	(Numeric)
M.4	How many ducks and geese does your household own? (ducks)	(Numeric)
M.5	How many goats does your household own? (goats)	(Numeric)
M.6	How many pigs does your household own? (pigs)	(Numeric)
M.7	How many rabbits does your household own? (rabbits)	(Numeric)
M.8	How many pigeons does your household own? (pigeons)	(Numeric)
M.9	How many oxen does your household have? (ox)	(Numeric)

N. HOUSEHOLD AND AGRICULTURAL ASSETS

Now I would like to ask you about the number of household and agricultural assets that your household currently owns. Include assets that are currently not working. (Count all assets, even if they do not work)

item_id	(item)	How many <item> does your household currently own? <i>If 0, skip to next item</i>	How many <item> has your household purchased in the past two years?
N1	Mobile Phone	(phone)	(phonenew)
N2	Radio	(radio)	(radionew)
N3	TV	(tv)	(tvnew)
N4	Cars, Vans, Pick-up Trucks	(car)	(carnew)
N5	Motorcycle	(motor)	(motornew)
N6	Bicycle	(bike)	(bikenew)
N7	Cook stove	(stove)	(stovenew)
N8	Water pump/treadle pump	(pump)	(pumpnew)
N9	Solar panel	(solar)	(solarnew)
N10	Pick axes	(pickax)	(pickaxnew)

N11	Ox-drawn plough	(oxplough)	(oxploughnew)
N12	Disc plough	(discplough)	(discploughnew)
N13	Rippers	(ripper)	(rippernew)
N14	Knapsack sprayer	(kspray)	(kspraynew)
N15	Ridger/ weeder	(ridger)	(ridgernew)
N16	Ox Carts	(oxcart)	(oxcartnew)
N17	Scotch carts	(scotchcart)	(scotchcartnew)
N18	Wheel barrow	(wheelbarrow)	(wheelbarrownew)

N.29	How many meals did your household eat meat in the last 7 days? (meals)	(Integer)
N.20	What is the roof of the household's house made of? (roof) <div><div>1</div>Grass thatched</div> <div><div>2</div>Iron sheets</div> <div><div>3</div>Tin</div> <div><div>4</div>Zinc</div> <div><div>5</div>Roofing Tile</div> <div><div>6</div>Concrete</div> <div><div>7</div>Cardboard</div> <div><div>8</div>Asbestos</div> <div><div>9</div>Shingles</div> <div><div>10</div>Plastic sheets</div> <div><div>11</div>Other material</div>	(Code)
N.20b	If “Other,” please specify? (roofo)	(Text)
N.21	Is the respondent’s house painted? (housepaint) <div><div>0</div>No</div> <div><div>1</div>Yes</div> <div><div>888</div>Don't know</div> <div><div>999</div>Refused to answer</div>	(Code)

O – LAND RELATED EXTENSIONS

Please tell us about the advice, information the household received from organizations, private agents or individual farmers about land related issues.

	O1. In the past 12 months, has your household received any information about who can help resolve a land conflict? (landinfo) <i>If 0, 888, or 999 skip to O4</i>	0 No 1 Yes 888 Don't know 999 Refused to answer	(Code)
	O2. Which person or organization was recommended to help resolve a land conflict? (landinfosrce) <i>Probe and Code</i>	1 Headman 2 NGO 3 Cooperative farmer group 4 Chipata District Land Alliance 5 Village Land Committee 6 Fellow farmers 7 YGL 8 Induna 9 Radio 10 Other	(Code)
	O2b. If other, please specify	(Text)	

O3. How did your household receive this advice or information? (landinfoplt) <i>Probe and Code</i>	1 Informal conversation 2 Radio program 3 Pamphlet 4 Workshop 5 Visit by extension agent/paralegal 6 Meeting 7 Training Programme 8 SMS or phone call 9 Other	(Code)
O3b. If other, please specify (landinfoplt)	(Text)	
O4. In the past 12 months, has your household received any information about customary land certificates specifically? (custcertinfo) <i>Customary land certificates are documents provided by the chief that certify use rights for a particular field.</i> <i>If 0, 888, or 999 skip to Module P</i>	0 No 1 Yes 888 Don't know 999 Refused to answer	(Code)
O5. Who provided your household with the most advice or information about customary land certificates? (custcertinfo) <i>Probe and Code</i>	1 Headman 2 NGO 3 Cooperative farmer group 4 Chipata District Land Alliance 5 Village Land Committee 6 Fellow farmers 7 YGL 8 Induna 9 Radio 10 Other	(Code)
O5b. If other, please specify	(Text)	
O6. How did your household receive this advice or information? (custcertinfo) <i>Probe and Code</i>	1 Informal conversation 2 Radio program 3 Pamphlet 4 Workshop 5 Visit by extension agent/paralegal 6 Meeting 7 Training Programme 8 SMS or phone call 9 Other	(Code)
O6b. If other, please specify	(Text)	

P. INCOME FROM LABOR, LIVESTOCK AND OTHER NON-AGRICULTURAL SOURCES

Now we are going to talk about sources of income for your household.

P1. Thinking over the past year, how much income did your household receive from salary, wages, petty trade, or off-farm income? (income_salary)	(Numeric)
P2. Thinking over the past year, how much income did your household receive from selling livestock or livestock products? (income_livestock)	(Numeric)
P3. Thinking over the past year, how much income did your	(Numeric)

	household receive from remittances, rents (non-field) or pensions? (income_other) <i>If C5=0, skip to P5</i>																																			
	P4. Thinking over the past year, what type of payment did your household receive for renting one or more of your fields to another household? (income_rent) <i>Probe and code</i>	1.Cash 2.Labor 3.Crop 4.Other	(Code)																																	
	P4b. If other, please specify	(Text)																																		
	P4c. How much payment did you receive for renting your fields?(rent_cash) Ask if P4a=1	(Integer)																																		
	P4d. How many person-days of labor did you receive for renting your fields? (rent_labor) Ask if P4a=2	(Integer)																																		
	P4e. What share of the field's crop yield did you receive for renting your field? (rent_cropprcnt) Ask if P4a=3	Less than 25% 25%-49% 50%-74% More than 75%	(Code)																																	
	P4f. What crop did you receive?(rent_crop) Ask if P4a=3	(Code)																																		
	<table border="1"> <thead> <tr> <th colspan="3">Crop code or Use Codes (main_crop)</th> </tr> </thead> <tbody> <tr> <td>1 Local maize</td><td>11 Sorghum</td><td>21 Nkhwani</td></tr> <tr> <td>2 Composite (pollenated) maize</td><td>12 Pearl millet (mchewere)</td><td>22 Therere/Okra</td></tr> <tr> <td>3 Hybrid maize</td><td>13 Bean</td><td>23 Tomato</td></tr> <tr> <td>4 Cassava</td><td>14 Soyabean</td><td>24 Onion</td></tr> <tr> <td>5 Sweet potato</td><td>15 Pigeon Peas</td><td>25 Peas</td></tr> <tr> <td>6 Irish potato</td><td>16 Burley tobacco</td><td>26 Trees or woodlot</td></tr> <tr> <td>7 Groundnet</td><td>17 Tobacco (other)</td><td>27 Sunflower</td></tr> <tr> <td>8 Ground bean (Nzama)</td><td>18 Cotton</td><td>28 Other, specify</td></tr> <tr> <td>9 Rice</td><td>19 Sugarcane</td><td></td></tr> <tr> <td>10 Finger millet (mawere)</td><td>20 Cabbage Tanaposi</td><td></td></tr> </tbody> </table>			Crop code or Use Codes (main_crop)			1 Local maize	11 Sorghum	21 Nkhwani	2 Composite (pollenated) maize	12 Pearl millet (mchewere)	22 Therere/Okra	3 Hybrid maize	13 Bean	23 Tomato	4 Cassava	14 Soyabean	24 Onion	5 Sweet potato	15 Pigeon Peas	25 Peas	6 Irish potato	16 Burley tobacco	26 Trees or woodlot	7 Groundnet	17 Tobacco (other)	27 Sunflower	8 Ground bean (Nzama)	18 Cotton	28 Other, specify	9 Rice	19 Sugarcane		10 Finger millet (mawere)	20 Cabbage Tanaposi	
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	P4g. How much of the crop did your household receive in return for renting your fields? Amount (rent_crop_amount) Ask if P4a=3	(Integer)																																		
	P4h. Unit(rent_crop_unit) Ask if P4a=3	(1)Ox cart (2) Kilo (3)Litre (4) Tins (5)25 Kg bunches (6) Crates (7) Tonnes (8)Other, specify	(Code)																																	
	P5. Did your household take out any formal loans from a bank or micro-credit institution in the past year? (loan) <i>If 0, 888, 999, Skip to Module Q</i>	0 No 1 Yes 888 Don't know 999 Refused to answer	(Code)																																	
	P6. Did you have to provide any documentation of your land	0 No	(Code)																																	

rights to secure the loan? (loandoc) <i>If 0, 888, 999, Skip to Module Q</i>	1 Yes 888 Don't know 999 Refused to answer	
P7. What kind of documentation was required? (loandoctype)	(Text)	

Q. GROUP PARTICIPATION AND RELATIONSHIPS

Now I would like to ask you about your household's participation in local agriculture or credit-related organizations.

Q1. Is anyone in this household a member of a farmer cooperative, farmer group, and/or farmer association? (farmercoop)	0 No 1 Yes 888 Don't know 999 Refused to answer	(Code)
Q2. Is anyone in this household a member of a women's group? (womengroup)	0 No 1 Yes 888 Don't know 999 Refused to answer	(Code)
Q3. Is anyone in this household a member of a local savings and loan society? (loangroup)	0 No 1 Yes 888 Don't know 999 Refused to answer	(Code)
Q4. Is the headman in this village related to you or your spouse? (headmanrelate) Ask only if A11=1,2 <i>If 0, skip to Q8</i>	0 No 1 Yes 888 Don't know 999 Refused to answer	(Code)
Q5. Is the headman in this village related to either the head of household or the spouse of the head of household? (headmanrelate1) Ask only if A11=3 <i>If 0, skip to Q9</i>	0 No 1 Yes 888 Don't know 999 Refused to answer	(Code)
Q6. What is the relationship of the headman to you and/or your spouse? (headmanrelatespec) Ask only if A11=1	1 Immediate family 2 Extended family	(Code)
Q7. What is the relationship of the headman to the head of household or the spouse of the head of household? (headmanrelatespec1) Ask only if A11=1	1 Immediate family 2 Extended family	(Code)
Q8. Is the chief of this village related to either you or your spouse? (chiefrelate) Ask only if A11=1,2 <i>If 0, skip to Section R</i>	0 No 1 Yes 888 Don't know 999 Refused to answer	(Code)
Q9. Is the chief of this village related to either the head of household or the spouse of the head of household? (chiefrelate1) Ask only if A11=3 <i>If 0, skip to Section R</i>	0 No 1 Yes 888 Don't know 999 Refused to answer	(Code)
Q10. What is the relationship of the chief to you and/or your spouse? (chiefrelatespec) Ask only if A11=1	1 Immediate family 2 Extended family	(Code)

	Q11. What is the relationship of the chief to the head of household or the spouse of the head of household? (chiefrelatespec1) Ask only if A11=1	1 Immediate family 2 Extended family	(Code)
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R. GEOPPOINT AND LANDMARKS

	R1.Geopoint (gps)	Latitude	(Numeric: ##. #####)
		Longitude	(Numeric: ##. #####)
	R2.Please record some basic identifying landmarks for the household (landmark)	(Text)	

S. CONCLUSION

Thank you for your participation in this survey.

	S1.Enumerator: Please select the correct survey status from the list (s_status)	1 Complete 2 Incomplete, come back 3 Incomplete, can not finish 4 Refused to participate 5 Other,specify	(Code)
	On a scale of 1 to 5, 5 being very reliable, how reliable was the respondent? (s_reliable)	(Integer)	
	Any additional comments? (s_notes)	(Text)	

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