

TGCC Household codebook

NOTE:

For all integer responses the following disposition codes may be used

777	large number, but exact value is unknown
999	Prefer not to respond
888	Don't know
-997	Not applicable
97	other

Variable	Question	Response Codes	
a9_consent	A9. Did the respondent consent?	0	No
		1	Yes
a11_respondent	A11. Who is the respondent?	1	Head of household
		2	Spouse of the head of household
		3	Other household member
a13_relhead	A13. Respondent relationship to Household Head	1	Child
		2	Parent/parent in law
		3	Brother/Sister
		5	Nephew
		6	Uncle
		7	Granddaughter/Grandson
		8	Cousin
		9	Sister in Law
		10	Niece
		11	Grandmother/Grandfather
		12	Aunt
		13	Daughter in Law
		4	Other, specify
a14_gender_respondent	A14. Sex of the respondent.	0	Male
		1	Female

Variable	Question	Response Codes	
a20_gender_head	A20. Sex of the Head of Household.	0	Male
		1	Female
b1_age	B1. What is your age (years)?	#	integer
b1b_age_head	B1b. What is the age of the Household Head?	#	integer
b2_married	B2. What is your marital status?	1	Monogamously married
		2	Polygamously married
		3	Never married
		4	Widowed
		5	Divorced
		6	Separated
		7	Cohabiting
b2b_married_head	B2b. What is the marital status of the Household Head?	1	Monogamously married
		2	Polygamously married
		3	Never married
		4	Widowed
		5	Divorced
		6	Separated
		7	Cohabiting

Variable	Question	Response Codes
b3_ed	B3. What is the highest level of formal education that you have completed?	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
b3b_ed_head	B3b. What is the highest level of formal education completed by the Household Head?	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

Variable	Question	Response Codes	
b4_write_name	B4. Can you write your name?	0	No
		1	Yes
		888	Don't know
		999	Refused to answer
b5_write_letter	B5. Can you write a paragraph?	0	No
		1	Yes
		888	Don't know
		999	Refused to answer
b6_read_news	B6. Can you read a newspaper in any language?	0	No
		1	Yes
		888	Don't know
		999	Refused to answer

Variable	Question	Response Codes
b7_tribe	B7. What is your 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
		15 Other, specify
		16 Bisa
		17 Kunda
		18 Nsena
		19 Illa
		20 Zezulu
		21 Sukuma
		22 Soli
		23 Namwanga
		24 Lala
		25 Lenje
		26 Mulomwe
		27 Yahao

Variable	Question	Response Codes
b7_tribe	[CONTINUED] B7. What is your tribe?	28 Chiyawa
		29 Ushi
		30 Mambwe
		31 Awazi
		32 Lamba
		33 Tribe from Zimbabwe
		34 Tribe from Malawi
		35 Iomwe
		36 Makalanga
		37 Ndebele
		38 Yawo
		39 Chikunda
		40 Chawa
		41 Kalubale
		42 Namwe
		43 Nyanja
		44 Doesn't have a child
		888 Don't know
		9999 Not applicable

Variable	Question	Response Codes
b8_tribe_spouse	B8. What is the tribe of your spouse?	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
		16 Bisa
		17 Kunda
		18 Nsena
		19 Illa
		20 Zezulu
		21 Sukuma
		22 Soli
		23 Namwanga
		24 Lala
		25 Lenje
		26 Mulomwe
		27 Yahao

Variable	Question	Response Codes
b8_tribe_spouse	[CONTINUED] B8. What is the tribe of your spouse?	28 Chiyawa
		29 Ushi
		30 Mambwe
		31 Awazi
		32 Lamba
		33 Tribe from Zimbabwe
		34 Tribe from Malawi
		35 Iomwe
		36 Makalanga
		37 Ndebele
		38 Yawo
		39 Chikunda
		40 Chawa
		41 Kalubale
		42 Namwe
		43 Nyanja
		44 Doesn't have a child
		888 Don't know
		9999 Not applicable

Variable	Question	Response Codes
b8c_tribe_pspouse	B8c. What is the tribe of your senior spouse?	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
		16 Bisa
		17 Kunda
		18 Nsena
		19 Illa
		20 Zezulu
		21 Sukuma
		22 Soli
		23 Namwanga
		24 Lala
		25 Lenje
		26 Mulomwe
		27 Yahao

Variable	Question	Response Codes
b8c_tribe_pspouse	[CONTINUED] B8c. What is the tribe of your senior spouse?	28 Chiyawa
		29 Ushi
		30 Mambwe
		31 Awazi
		32 Lamba
		33 Tribe from Zimbabwe
		34 Tribe from Malawi
		35 Iomwe
		36 Makalanga
		37 Ndebele
		38 Yawo
		39 Chikunda
		40 Chawa
		41 Kalubale
		42 Namwe
		43 Nyanja
		44 Doesn't have a child
		888 Don't know
		9999 Not applicable

Variable	Question	Response Codes
b8e_tribe_head	B8e.What is the tribe of the Household Head?	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
		16 Bisa
		17 Kunda
		18 Nsena
		19 Illa
		20 Zezulu
		21 Sukuma
		22 Soli
		23 Namwanga
		24 Lala
		25 Lenje
		26 Mulomwe
		27 Yahao

Variable	Question	Response Codes	
b8e_tribe_head	[CONTINUED] B8e.What is the tribe of the Household Head?	28	Chiyawa
		29	Ushi
		30	Mambwe
		31	Awazi
		32	Lamba
		33	Tribe from Zimbabwe
		34	Tribe from Malawi
		35	Iomwe
		36	Makalanga
		37	Ndebele
		38	Yawo
		39	Chikunda
		40	Chawa
		41	Kalubale
		42	Namwe
		43	Nyanja
		44	Doesn't have a child
		888	Don't know
		9999	Not applicable
b9_children	B9. How many children do you have?	#	integer

Variable	Question	Response Codes
b10_tribe_child	B10. What is the tribe of your eldest child?	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
		16 Bisa
		17 Kunda
		18 Nsena
		19 Illa
		20 Zezulu
		21 Sukuma
		22 Soli
		23 Namwanga
		24 Lala
		25 Lenje
		26 Mulomwe
		27 Yahao

Variable	Question	Response Codes
b10_tribe_child	[CONTINUED] B10. What is the tribe of your eldest child?	28 Chiyawa
		29 Ushi
		30 Mambwe
		31 Awazi
		32 Lamba
		33 Tribe from Zimbabwe
		34 Tribe from Malawi
		35 Iomwe
		36 Makalanga
		37 Ndebele
		38 Yawo
		39 Chikunda
		40 Chawa
		41 Kalubale
		42 Namwe
		43 Nyanja
		44 Doesn't have a child
		888 Don't know
		9999 Not applicable

Variable	Question	Response Codes
b11_religion	B11. What is your religion?	62
		1 UCZ
		2 RCZ (Dutch Reformed)
		3 ECZ
		4 CMLL
		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
		19 Zion / Zion Spirit Church
		20 Yuda
		21 Yesu
		22 Yakobo
		23 Vigoka
		24 Tabernacle
		25 Spiritsm / Spirit Church
		26 Prophet church of Zambia

Variable	Question	Response Codes
b11_religion	[CONTINUED] B11. What is your religion?	27 Pilgrim
		28 National African Church
		29 Apostolic
		30 New apostolic
		31 Mizimu
		32 Last church of God
		33 Grace Ministries
		34 Goram
		35 CRC
		36 Class Gospel
		37 Church of Christ
		38 Christian reformed church
		39 Christadelphian
		40 Chipangano church
		41 Central African Spirit Church
		42 Christian reformed church of Zambia
		43 Evangelical
		44 Bigonga/Bigoga/Bilgoca/Bible Gospel Church in Africa
		45 Atumwi
		46 Assembly of God
		47 Aslamu
		48 African National Church
		49 African reformed church
		50 African missionary church
		51 African Jacob
		52 African international church
		53 African covenant church

Variable	Question	Response Codes	
b11_religion	[CONTINUED] B11. What is your religion?	54	African church
		55	African Abraham Church / Abraham Church
		56	Church of God
		57	A tumwi
		58	Born Again Christian
		59	Christian Church
		60	Miracle Ministry / Miracle Pentecost
		61	Moslem
		62	ZCPC
b12_born	B12. Were you born in this locality?	0	No
		1	Yes
		888	Don't know
		999	Refused to answer
b12b_born_head	B12b. Was the Household Head born in this locality?	0	No
		1	Yes
		888	Don't know
		999	Refused to answer
b13_yrs_live	B13. How many years have you lived in this locality?	#	integer
b13b_yrs_live_head	B13b. How many years has the Head of Household lived in this locality?	#	integer
b14_local_no	B14. Are you considered a local or non local by others in this village?	0	Non local
		1	Local
b14b_local_no_head	B14b. Is the Head of Household considered a local or non local by others in this village?	0	Non local
		1	Local

Variable	Question	Response Codes
b15_spouse_move	B15. When you were married, which spouse moved to the other spouse's village?	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:
		8 Moved to husband's house in the same village
		9 Both are from the same village
		10 Divorced
		11 Husband and wife from different villages; moved to new home in current village
		12 Husband and wife from same village; moved to new village together
		13 Not married
		14 Husband and wife from same village, moved to husband's house
		15 Widowed
		16 Wife moved to husband's village, then couple moved to wife's village
		9999 Not applicable

Variable	Question	Response Codes	
b16_mat_pat	B16. Is the land that your household farms passed down from the wife's family or the husband's family?	1	Wife's family
		2	Husband's family
		3	Land was purchased by or given to the household
		4	Other, specify
		6	From both sides/From both families
		7	Given by the chief
		8	Given by the headman
		9	Rents/rented
		10	Borrowed
		11	someone not related
		12	Do not have their own land
		13	One field was given, the other was allocated
		14	just started farming some land
		15	Inherited from parents/given by parents/uncle/grandma/grandparents/mother's fields/mothers fields
		16	not married
		17	From lands
		888	Don't know
		9999	Not applicable
b17_size_hh	B17. How many people live in your household?	#	integer
b18_no_adultmale	B18. How many people age 12 or older live in your household?	#	integer
b19_adult_school	B19. How many household members over the age of 12 attend school?	#	integer
b20_tchi_school	B20. How many household members age 11 or younger attend school?	#	integer

Variable	Question	Response Codes	
b21_highest_edu	B21. What is the highest level of formal education completed by a member of this household?	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
b22_migrate	B22. How many household members left the village in the last year to find work?	888	Don't know
		999	Refused to answer
b23_hire	B23. Did you work as hired labor (ganyu) on someone else's land during the last agricultural season?	#	integer
		0	No
		1	Yes
		888	Don't know
b24_hiredays	B24. How many total days did you do ganyu in the last agricultural season?	999	Refused to answer
		#	integer
c1_landarea_own	C1. During this agricultural year (2013/2014), what is the total land area that your household owns?	#	integer

Variable	Question	Response Codes	
landarea_own_unit2	C1b. Units	1	Lima
		2	Acre
		3	Hectare
		4	Square Meter
		5	Steps
		6	Ropes
		888	Don't know
c2_landarea_rentin	C2. Total land area rented FROM other households:	#	integer
landarea_rentin_unit2	C2b. Please note the units.	1	Lima
		2	Acre
		3	Hectare
		4	Square Meter
		5	Steps
		6	Ropes
		888	Don't know
c4_landarea_borrowin	C4. Total land area borrowed FROM other households:	#	integer
c4b_unit22	C4b. Please note the units.	1	Lima
		2	Acre
		3	Hectare
		4	Square Meter
		5	Steps
		6	Ropes
		888	Don't know
c5_landarea_rentout	C5. Total land area rented TO other households:	#	integer
c5b_unit3	C5b. Please note the units.	1	Lima
		2	Acre
		3	Hectare
		4	Square Meter
		5	Steps
		6	Ropes
		888	Don't know

Variable	Question	Response Codes	
c6_landarea_borrowout	C6. Total land area lent TO other households:	#	integer
c6b_unit33	C6b. Please note the units.	1	Lima
		2	Acre
		3	Hectare
		4	Square Meter
		5	Steps
		6	Ropes
		888	Don't know
c7_totfield_own	C7. What is the total number of fields that your household owns?	#	integer
c8_totfield_rentin	C8. What is the total number of fields that your household RENTS from other households?	#	integer
c9_totfield_borrowin	C9. What is the total number of fields that your household BORROWS from other households?	#	integer
c10_totfield_rentout	C10. What is the total number of fields that your household RENTS-OUT to other households?	#	integer
c11_totfield_borrowout	C11. What is the total number of fields that your household LENDS to other households?	#	integer
no_field	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 .	#	integer
c12_subsistence	C12. How many of your fields were farmed for subsistence or cash crops during this agricultural year (2013/2014)?	#	integer
c13_past_nonagri	C13. How many of your fields were used as pastures or other non-agricultural uses, during this agricultural year (2013/2014)?	#	integer
c14_fallowfields	C14. How many of your fields did you leave fallow during this agricultural year (2013/2014)?	#	integer

Variable	Question	Response Codes	
c15_tno_fields	C15. How many fields did your household plant agroforestry trees on during this agricultural year (2013/2014)?	#	integer
c16_req_land	C16. In the past 5 years, has your household requested or tried to obtain additional land in this village for use by your household?	0	No
		1	Yes
		888	Don't know
		999	Refused to answer
c17_whom_request	C17. From whom did you request this land?	1	Headman
		2	Induna
		3	Chief
		4	Other
		5	Neighbor/friend/someone else in the village
		6	Family/in-law
		7	Someone from another village
		8	Boma
		9	Headman and chief
		9999	Not applicable
c18_area_request	C18. Amount of land requested.	#	integer
c18b_unit4	C18b. Unit	1	Lima
		2	Acre
		3	Hectare
		4	Square Meter
		5	Steps
		6	Ropes
		888	Don't know
c19_area_obtained	C19. Area of land obtained.	#	integer

Variable	Question	Response Codes	
c19b_unit5	C19b. Unit	1	Lima
		2	Acre
		3	Hectare
		4	Square Meter
		5	Steps
		6	Ropes
		888	Don't know
c20_land_state	C20. What was the condition of the land when the household obtained it?	1	Undeveloped
		2	Fallow
		3	Productive
		4	Other, please specify
		5	Undeveloped and Fallow
		6	Undeveloped and Productive
		7	Fallow and Productive
		8	Undeveloped, Fallow and Productive
c21_reallocate	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?	0	No
		1	Yes
		888	Don't know
		999	Refused to answer
c22_reallocate_freq	C22. How many times was land reallocated?	#	integer

Variable	Question	Response Codes	
c23_reallocate_exp	C23. Why was the land reallocated?	1	Borrowed/Rented
		2	It was a small amount of land
		3	Given to family member
		4	Someone else needed the land/was already being used by someone else
		5	It was state land
		6	Land not in use/too sick to use land/traveling
		7	Chief/headman/village authority said the land belonged to someone else
		8	Land was not rightfully owned
		9	There was a dispute over ownership and/or inheritance
		10	Gave it up/sold it voluntarily
c24_creallocate_size	C24. How much land was reallocated?	888	Don't know
		9999	Not applicable
c24b_unit6	C24b. Unit	#	integer
		1	Lima
		2	Acre
		3	Hectare
		4	Square Meter
		5	Steps
		6	Ropes
farea_1	D1a. Area of the field	888	Don't know
		#	integer

Variable	Question	Response Codes	
unit6a_1	D1b. Unit	1	Lima
		2	Acre
		3	Hectare
		4	Square Meter
		5	Steps
		6	Ropes
		888	Don't know
distance_field_1	D2a. Distance to the field	#	integer
units6b_1	D2b. Units	1	meters
		2	kilometers
fieldpurp_1	D3. During this agricultural season (2013-2014), did your household farm this field, leave it fallow or use it for pasture or some other non-agricultural use?	1	Farmed this field
		2	Left this field fallow
		3	Left this field in improved fallow
		4	Used this field as pasture/other non-agricultural purpose

Variable	Question	Response Codes
main_crop_1	D4. What was the main crop your household planted on this field during this agricultural season (2013/2014)?	1 Local maize
		2 Composite (pollenated) maize
		3 Hybrid maize
		4 Cassava
		5 Sweet potato
		6 Irish potato
		7 Groundnet
		8 Ground bean (Nzama)
		9 Rice
		10 Finger millet(mawere)
		11 Sorghum
		12 Pearl millet (mchewere)
		13 Bean
		14 Soyabean
		15 Pigeon Peas
		16 Burley tobacco
		17 Tobacco (other)
		18 Cotton
		19 Sugarcane
		20 Cabbage Tanaposi
		21 Nkhwani
		22 Therere/Okra
		23 Tomato
		24 Onion
		25 Peas
		26 Trees or woodlot
		27 Sunflower

Variable	Question	Response Codes
main_crop_1	[CONTINUED] D4. What was the main crop your household planted on this field during this agricultural season (2013/2014)?	28 Other
		29 mixed seed of local and hybrid maize
		30 sunflower and groundnut intercropped
		31 Popcorn
		32 Banana
		33 Vegetables, unspecified
		34 Soybean and Sunflower intercropped
		35 Mabele
		36 Kandolo
		37 chili
		38 Pumpkin leaves
		39 Rape (?)
		40 Carrots
		41 Watermelon
		42 Impwa
		9999 NA/no field
acquired_method_1	D5. What was the method by which this field was acquired by your household?	1 Inherited
		2 Allocated by village
		3 Purchased
		4 Rented
		5 Borrowed
		6 Other
		7 Given
		8 Given by parents
		9 Given by chief
		10 Found land unused
		11 Given by neighbor
		12 Given by relative
		13 Safekeeping
		14 Partly borrowed, partly owned
		15 Given by headman
		999 Not applicable

Variable	Question	Response Codes	
payment_rent_1	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	Cash
		2	Labor
		3	Crop
		4	Other
		5	Fertilizer
		6	Livestock
		7	Have not been paid yet
		8	Seedlings
		9	Nothing
		10	Paid a debt
		13	Cash and crops
		14	Cash and other
		777	Not Applicable
		999	Prefer not to answer
rent_pay_cash_1	D6c. How much did you pay to rent this field?	#	integer
rent_pay_labor_1	D6d. How many person-days of labor did you perform in exchange for renting this field?	#	integer
rent_pay_cropprcnt_1	D6e. What share of the field's crop yield did you give as payment for renting this field?	1	Less than 25%
		2	25% - 49%
		3	About half
		4	51%-74%
		5	More than 75%
rent_pay_crop_amount_1	D6g. Amount	#	integer

Variable	Question	Response Codes
rent_pay_crop_unit_1	D6h. Unit	1 ox cart
		2 kilo
		3 litres
		4 tins
		5 25 kg bunch
		6 crates
		7 tonnes
		8 No/None/Non/0
		9 Galon
		10 Grams
		11 Trees/seedling
		12 KG
		13 plate
		14 coca cola bottle top
		15 5 li bucket/pot
		16 cobs of maize
		17 nesary
		18 bag/sack
		19 basin
		20 meda
		21 satchet/packet
		22 teaspoon
		23 cups
		24 balls
		25 tablespoon
		26 station
		27 miles
rent_pay_crop_unit_1	[CONTINUED] D6h. Unit	28 Bells
		29 Woolbags
		30 Individual unit
		31 Wheelpack/Wallparck
		9999 Not applicable
		8 grams

Variable	Question	Response Codes	
year_acquire_1	D7. What year did your household acquire this field?	#	integer
who_decide_1	D8. Who primarily decides how to use this field?	1	Head of household
		2	Spouse
		3	Both Head and spouse together
		4	Other male household member
		5	Other female household member
		6	Other
		7	Owner of the field
		8	entire HH
		9	Other family member (not specified if those are in the HH)
		10	Unrelated person
		11	Parent and child together
		12	Child (not specified gender or if household member)
		13	person who rents the field
		999	refused to answer /not applicable

Variable	Question	Response Codes	
soil_type_1	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
		8	Red Soil
		9	Red and black
		10	Katondo
		11	Sandy/Sandy red/ muchenga/sandy gravel
		12	Brown
		13	White
		14	Grey
		15	Yachikande/Yakatondo
		16	Black and sandy/Black and loamy
		17	clay and black
		18	clay and sandy/clay and laomy
		19	Mix
		20	yeast
		21	Humous
		22	Fed
		23	Don't know
		24	NA/no other fields
field_slope_1	D10. Overall, what is the slope of this field?	1	Flat
		2	Slightly sloped
		3	Steeply sloped
irrigated_1	D11. Is this field irrigated?	0	No
		1	Yes
		888	Don't know
		999	Refused to answer

Variable	Question	Response Codes	
water_source_1	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
		6	Dam
		7	Mumufolo
		8	Village farrow
water_tech_1	D13a. What technology does your household primarily use to irrigate this field?	12	Flat + Slightly sloped
		1	Bucket
		2	Motorized pump
		3	Irrigation canal
		4	Flood irrigation
		5	Other, specify
		6	Can
		7	Treedle Pump
hours_water_1	D14a. Distance	8	Container
		#	integer
mins_water_1	D14b. Units	1	meters
		2	kilometers
irrigate_days_1	D15. From October - April, approximately how many times per month did your household irrigate crops on this field during this agricultural season (2013/2014)?	1	Every day
		2	2-3 times per week
		3	Once per week
		4	A couple times per month
		5	Once per month
		6	Less than once per month
		7	Never
irrigate_hours_1	D16. On average, about how many hours per day did you irrigate this field?	#	integer
landprep_days_1	D17. From June - January, approximately how many person-days did your household spend on land preparation and planting?	#	integer

Variable	Question	Response Codes	
weed_days_1	D18. From December-April, approximately how many person-days did your household weed on this field?	#	integer
nonharvact_days_1	D19. Since last July, how many person-days did your household spend on Ridging, Fertilizing and Other Non Harvesting Activities on this field?	#	integer
harvest_days_1	D20. From February - today, how many person days has your household spent harvesting on this field?	#	integer
tillage_1	D21. What was the main tillage method used on this field?	1	Conventional hand hoeing
		2	Planting basins (pot holders)
		3	Zero tillage
		4	Ploughing
		5	Ripping
		6	Ridging (before planting)
		7	Bunding
		8	Mounding
fertilizer_kgs_1	D23. What quantity of fertilizer in total did your household apply to this field?	#	integer
herbicide_1	D24. How many times did you spray this field with herbicide during this agricultural season (2013-2014)?	#	integer
fallow5_1	D25. In the past 5 years, has your household ever let this field lie fallow?	0	No
		1	Yes
		888	Don't know
		999	Refused to answer
fallowseason_yrs_1	D26a. Years Left Fallow	#	integer
fallowseason_mnths_1	D26b. Months Left Fallow	#	integer
seedquant_1	D27a. Amount of seed planted	#	integer

Variable	Question	Response Codes
unit7_1	D27b. Unit	1 ox cart
		2 kilo
		3 litres
		4 tins
		5 25 kg bunch
		6 crates
		7 tonnes
		8 No/None/Non/0
		9 Galon
		10 Grams
		11 Trees/seedling
		12 KG
		13 plate
		14 coca cola bottle top
		15 5 li bucket/pot
		16 cobs of maize
		17 nesary
		18 bag/sack
		19 basin
		20 meda
		21 satchet/packet
		22 teaspoon
		23 cups
		24 balls
		25 tablespoon
		26 station
		27 miles
unit7_1	[CONTINUED] D27b. Unit	28 Bells
		29 Woolbags
		30 Individual unit
		31 Wheelpack/Wallparck
		9999 Not applicable
		8 grams

Variable	Question	Response Codes
seedtype_1	D28. What type of seed did you use?	1 Local
		2 Hybrid variety
		3 Openly pollinated
		4 Other
		5 Cottonseed
		6 Panner/Pinnier
		7 White nuts/seeds
		8 burley/tobacco
		9 Irish potato
		10 viginia
		11 black seed
		12 mix of local and hybrid
		13 red seed/makulu seed
		14 soya
		15 sunflower
		16 big nut/groundnuts
		17 Bandawe
		18 Bunket
		19 yaka mulomo
		20 Sipamthin
		21 Njute
		22 Chuleza/Chisango/Chalibana
		23 Cruser
		24 Henon
		25 Haloween
		26 Klusa small nuts
		27 Kamu-lomo/Kandomu/Kamuchila

Variable	Question	Response Codes	
seedtype_1	[CONTINUED] D28. What type of seed did you use?	28	Magoye
		29	milika (sunflower seeds?)
		30	Malipinto
		31	Nchengazuba/Mkhalasonga
		32	solwezi
		9999	Not applicable
		888	Don't know
replant_1	D29. Did your household replant this field during the 2013/2014 agricultural season?	0	No
		1	Yes
		888	Don't know
		999	Refused to answer
crop_harvestquant_1	D30a. Amount harvested from this field during the last agricultural year?	#	integer

Variable	Question	Response Codes
unit8_1	D30b. Please note the units.	1 ox cart
		2 kilo
		3 litres
		4 tins
		5 25 kg bunch
		6 crates
		7 tonnes
		8 No/None/Non/0
		9 Galon
		10 Grams
		11 Trees/seedling
		12 KG
		13 plate
		14 coca cola bottle top
		15 5 li bucket/pot
		16 cobs of maize
		17 nesary
		18 bag/sack
		19 basin
		20 meda
		21 satchet/packet
		22 teaspoon
		23 cups
		24 balls
		25 tablespoon
		26 station
		27 miles
unit8_1	[CONTINUED] D30b. Please note the units.	28 Bells
		29 Woolbags
		30 Individual unit
		31 Wheelpack/Wallparck
		9999 Not applicable
		8 grams

Variable	Question	Response Codes	
crop_sell_1	D31. Did your household sell or barter any of the main crop harvest from this field during this agricultural season (2013/2014)?	0	No
		1	Yes - sold
		2	Yes - barter
		3	Yes - both sold and bartered
		4	Have not sold yet, but planning to
harvestquant_sell_1	D32a. Amount of main crop harvest sold from this field.	#	integer
unit9_1	D32b. Please note the units.	1	ox cart
		2	kilo
		3	litres
		4	tins
		5	25 kg bunch
		6	crates
		7	tonnes
		8	No/None/Non/0
		9	Galon
		10	Grams
		11	Trees/seedling
		12	KG
		13	plate
		14	coca cola bottle top
		15	5 li bucket/pot
		16	cobs of maize
		17	nesary
		18	bag/sack
		19	basin
		20	meda
		21	satchet/packet
		22	teaspoon
		23	cups
		24	balls
		25	tablespoon
		26	station
		27	miles

Variable	Question	Response Codes	
unit9_1	[CONTINUED] D32b. Please note the units.	28	Bells
		29	Woolbags
		30	Individual unit
		31	Wheelpack/Wallparck
		9999	Not applicable
		8	grams
harvest_profit_1	D33. How much money did your household make by selling the main crop harvest from this field?	#	integer
harvest_profit_future_1	D34. How much money do you anticipate your household will make by selling the main crop harvest from this field?	#	integer
agroforest_1	E1. Is this field currently planted with agroforestry trees or shrubs, such as musangu, gliricidia, ububa, cowpeas or pigeonpeas?	0	No
		1	Yes
		888	Don't know
		999	Refused to answer
agear_1	E2. What year did you first plant agroforestry trees on this field?	#	integer
agpattern_1	E3. Are these trees intercropped, planted in blocks or planted around the perimeter of this field?	1	Perimeter
		2	Block planting
		3	Intercropped
agintercrop_1	E4. What other crop is intercropped with your agroforestry trees?	1	Cotton
		2	Groundnuts
		3	Maize
		4	Other
		5	Sunflower
		6	Beans
		7	Pumpkin leaves
		8	Tobacco
		9	Mini Eggplant
		10	Tomatoes
		11	Soyabean
		777	Not Applicable

Variable	Question	Response Codes	
agextent_1	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
agspecies_1	E6. Which species of tree did your household plant?	1	Musangu (Faidherbiaalbida)
		2	Gliricidia (Gliricidiasepim)
		3	Sesbaniasesban
		4	Ububa(Tephrosiavogelii)
		5	Cowpeas
		6	Pigeon peas
		7	Other
		8	Alusina/Lusina
		9	Malahena
		10	Telephozia/Thelefozia
		11	Trifozia
		12	Acacia
		13	Crifosia
		14	Eucalyptus globulus
		888	Don't know
		999	Prefer not to answer
		777	Non Applicable
agseedmus_1	E7a. Amount - How many seedlings/seeds of Musangu did your household plant?	#	integer
agseedmus_unit_1	E7b. Unit - How many seedlings/seeds of Musangu did your household plant?	1	seedling
		2	grams of seeds
		3	kgs of seeds
agseedmus_space_1	E7c. What is the spacing in meters between each Musangu tree that your household planted?	#	integer
agseedglir_1	E8a. Amount - How many seedlings/seeds of Gliricidia did your household plant?	#	integer
agseedglir_unit_1	E8b. Unit - How many seedlings/seeds of Gliricidia did your household plant?	1	seedling
		2	grams of seeds
		3	kgs of seeds

Variable	Question	Response Codes	
agseedglir_space_1	E8c. What is the spacing in meters between each Gliricidia tree that your household planted?	#	integer
agseedsesb_1	E9a. Amount - How many seedlings/seeds of Sesbaniaseban did your household plant?	#	integer
agseedsesb_unit_1	E9b. Unit - How many seedlings/seeds of Sesbaniaseban did your household plant?	1	seedling
		2	grams of seeds
		3	kgs of seeds
agseedsesb_space_1	E9c. What is the spacing in meters between each Sesbaniaseban tree that your household planted?	#	integer
agseedubu_1	E10a. Amount - How many seedlings/seeds of Ububa did your household plant?	#	integer
agseedubu_unit_1	E10b. Unit - How many seedlings/seeds of Ububa did your household plant?	1	seedling
		2	grams of seeds
		3	kgs of seeds
agseedcowpea_1	E11a. How kgs of Cowpea seedlings did your household plant?	#	integer
agseedcowpea_space_1	E11b. How much of this field is covered by cowpeas?	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
agseedpigpea_1	E12a. How many kgs of Pigeon pea seeds did your household plant on this field?	#	integer
agseedpigeonpea_space_1	E12b. How much of this field is covered by pigeon peas?	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
agseedsurv_1	E13. How many trees are surviving?	#	integer

Variable	Question	Response Codes
agseedsrce_1	E14. Where did you obtain the seedlings?	1 CFU (Conservation Farming Unit)
		2 SVA/IPA/Dunavan
		3 YGL
		4 Purchased in the village
		5 Purchased in the nearest boma
		6 Purchased in Chipata
		7 Other
		8 COMACO
		9 Ministry of Agriculture/Agricultural Extension Officer
		10 Purchased from an individual/neighbor
		11 Given by friends/relatives/neighbor
		12 Purchased in Kachele
		13 Purchased in Mtengo
		14 Farming Cooperative/Club (Eastern Cooperative Union, Kalunga Farmers Association, Museko Chika Club)
		15 International NGO (CARE, Luthran World Federation, World Vision, AfriCARE, Heifer Intl)
		16 Other local NGOs (Zambia Land Alliance, Total Land Care, Ng'ozzi Women's Club)
		17 Company (Cargill, JTI Tobacco, Gapani Group, Kachele Development, Zamleaf)
		888 Don't know
		999 Prefer not to answer

Variable	Question	Response Codes
agreason_1	E15. What were the two most important reasons that you chose to plant trees/shrubs on this field?	1 More fertile for the soil
		2 Improve moisture
		3 Substitute if main crop fails
		4 Prevent soil erosion
		5 Protect from floods
		6 Improve soil quality
		7 Improve crop yields
		8 Strengthen claim to land
		9 Raise market value of land for later sale
		10 Strengthen ability to bequeath land to children
		11 Raise value of land to use as collateral
		12 Seedlings were free or subsidized
		13 Other
		14 Used as relish/source of relish
		15 Fertilizer is expensive/replace fertilizer/less fertilizer is required
		16 Fencing
		17 Consumption
		18 Reduce wind
		19 Brings rain
		20 Provide shade
		21 Fire wood
		22 To replace trees that were cut down
		23 Just found them
		24 For medicine
		888 Don't know
		999 Prefer not to answer

Variable	Question	Response Codes
agforben_1	E16. Til present, please list the two most important benefits you have already experienced from your agroforestry tree/shrub planting on your farm?	1 No benefits experienced yet/No benefits
		2 Improved soil fertility
		3 Reduced weeds
		4 Improved crop growth around the tree
		5 Reduced labor time on weeding activities
		6 Higher overall crop yield
		7 Increased fuelwood availability
		8 Increased pollination
		9 Increased shade
		10 Reduced soil erosion
		11 Other
		12 None
		13 Consumption
		14 Do not have to buy fertilizer
		15 Selling the tree seeds
		16 Use as timber/fuelwood
		17 Bees make honey from flowers
		18 Protect fields from animals
		19 Protect crops from dry spells
		20 Availability of relish/food
		888 Don't know

Variable	Question	Response Codes
residue_1	F1. In this field, how was the crop/field residue from the last agricultural season mainly used or disposed of?	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
		3 Cut and spread on the field/cut and left on the field
		10 No crop residue because they did not cultivate on this field during the last agricultural season/field not yet harvested (and intent not specified)
		11 Cut and headped on the field
plantbasin_1	F2a. In the past five years, did your household improve this field by planting basins?	12 No crop residue due to crop failure
		13 Cut, removed, and burn somewhere else
		0 No
		1 Yes
		888 Don't know
		999 Refused to answer

Variable	Question	Response Codes	
plantbasinyr_1	F2b. What years did your household plant basins in this field?	2014	2014
		2013	2013
		2012	2012
		2011	2011
		2010	2010
		2009	2009

Variable	Question	Response Codes
plantbasinrsn_1	F2c. What are the two most important reasons why your household chose to plant basins in the field?	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 bequeathland to children
		8 Raise value of land to use as collateral
		9 Other
		10 Helps soil store water/hold moisture/Keep water
		11 Reduce weeds/weeding is easier/weeds do not grow as quickly
		12 To put in fertilizer/manure/more efficient use/help secure fertilizer
		13 Try something new/NGO showed us this method
		14 promised something for using the method/
		15 Lack of Re-sources/Time/Manpower/Simplest Method
		16 protect my land
		17 Only method known/traditional method
		18 Reduce pests
		19 Help organize planting
		20 Demarcation/Boundary Marking
		21 Protect from animal grazing/conflict
		22 Protect from fire or wind
		888 Don't know
		999 Refused to answer

Variable	Question	Response Codes	
zerotill_1	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
zerotillyr_1	F3b. What years did your household improve this field through zero tillage?	2014	2014
		2013	2013
		2012	2012
		2011	2011
		2010	2010
		2009	2009

Variable	Question	Response Codes
zerorsn_1	F3c. What are the two most important reasons why your household chose to use this method?	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 bequeathland to children
		8 Raise value of land to use as collateral
		9 Other
		10 Helps soil store water/hold moisture/Keep water
		11 Reduce weeds/weeding is easier/weeds do not grow as quickly
		12 To put in fertilizer/manure/more efficient use/help secure fertilizer
		13 Try something new/NGO showed us this method
		14 promised something for using the method/
		15 Lack of Re-sources/Time/Manpower/Simplest Method
		16 protect my land
		17 Only method known/traditional method
		18 Reduce pests
		19 Help organize planting
		20 Demarcation/Boundary Marking
		21 Protect from animal grazing/conflict
		22 Protect from fire or wind
		888 Don't know
		999 Refused to answer

Variable	Question	Response Codes	
ridge_1	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
ridgeyr_1	F4b. What years did your household improve this field through ridging, mounding, or terracing?	2014	2014
		2013	2013
		2012	2012
		2011	2011
		2010	2010
		2009	2009

Variable	Question	Response Codes
ridgersn_1	F4c. What are the two most important reasons why your household chose to use ridging, mounding, or terracing?	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 bequeathland to children
		8 Raise value of land to use as collateral
		9 Other
		10 Helps soil store water/hold moisture/Keep water
		11 Reduce weeds/weeding is easier/weeds do not grow as quickly
		12 To put in fertilizer/manure/more efficient use/help secure fertilizer
		13 Try something new/NGO showed us this method
		14 promised something for using the method/
		15 Lack of Re-sources/Time/Manpower/Simplest Method
		16 protect my land
		17 Only method known/traditional method
		18 Reduce pests
		19 Help organize planting
		20 Demarcation/Boundary Marking
		21 Protect from animal grazing/conflict
		22 Protect from fire or wind
		888 Don't know
		999 Refused to answer

Variable	Question	Response Codes	
fence_1	F5a. In the past five years, did your household improve this field through fencing?	0	No
		1	Yes
		888	Don't know
		999	Refused to answer
fenceyr_1	F5b. What years did your household improve this field through fencing?	2014	2014
		2013	2013
		2012	2012
		2011	2011
		2010	2010
		2009	2009

Variable	Question	Response Codes
fencersn_1	F5c. What are the two most important reasons why your household chose to add this to the field?	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 bequeathland to children
		8 Raise value of land to use as collateral
		9 Other
		10 Helps soil store water/hold moisture/Keep water
		11 Reduce weeds/weeding is easier/weeds do not grow as quickly
		12 To put in fertilizer/manure/more efficient use/help secure fertilizer
		13 Try something new/NGO showed us this method
		14 promised something for using the method/
		15 Lack of Re-sources/Time/Manpower/Simplest Method
		16 protect my land
		17 Only method known/traditional method
		18 Reduce pests
		19 Help organize planting
		20 Demarcation/Boundary Marking
		21 Protect from animal grazing/conflict
		22 Protect from fire or wind
		888 Don't know
		999 Refused to answer

Variable	Question	Response Codes	
manure_1	F6a. In the past five years, did your household improve this field by adding animal manure or compost?	0	No
		1	Yes
		888	Don't know
		999	Refused to answer
croprotate_1	F7a. In the past five years, did your household improve this field by practicing crop rotation?	0	No
		1	Yes
		888	Don't know
		999	Refused to answer
fallowyr_1	F8b. In the last five agricultural seasons, how many seasons has your household left this field fallow?	#	integer

Variable	Question	Response Codes
fallowrsn_1	F8c. What are the two most important reasons why your household chose to leave this field fallow?	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 bequeathland to children
		8 Raise value of land to use as collateral
		9 Other
		10 Helps soil store water/hold moisture/Keep water
		11 Reduce weeds/weeding is easier/weeds do not grow as quickly
		12 To put in fertilizer/manure/more efficient use/help secure fertilizer
		13 Try something new/NGO showed us this method
		14 promised something for using the method/
		15 Lack of Re-sources/Time/Manpower/Simplest Method
		16 protect my land
		17 Only method known/traditional method
		18 Reduce pests
		19 Help organize planting
		20 Demarcation/Boundary Marking
		21 Protect from animal grazing/conflict
		22 Protect from fire or wind
		888 Don't know
		999 Refused to answer

Variable	Question	Response Codes	
dripirrigate_1	F9a. In the past five years, did your household improve this field by investing in irrigation practices that reduce water use, such as drip irrigation/sprinklers?	0	No
		1	Yes
		888	Don't know
		999	Refused to answer
dripirrigateyear_1	F9b. What years did you use these irrigation practices?	2014	2014
		2013	2013
		2012	2012
		2011	2011
		2010	2010
		2009	2009

Variable	Question	Response Codes
dripirrigateyrrsn_1	F9c. What are the two most important reasons your household chose to invest in these irrigation practices?	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 bequeathland to children
		8 Raise value of land to use as collateral
		9 Other
		10 Helps soil store water/hold moisture/Keep water
		11 Reduce weeds/weeding is easier/weeds do not grow as quickly
		12 To put in fertilizer/manure/more efficient use/help secure fertilizer
		13 Try something new/NGO showed us this method
		14 promised something for using the method/
		15 Lack of Re-sources/Time/Manpower/Simplest Method
		16 protect my land
		17 Only method known/traditional method
		18 Reduce pests
		19 Help organize planting
		20 Demarcation/Boundary Marking
		21 Protect from animal grazing/conflict
		22 Protect from fire or wind
		888 Don't know
		999 Refused to answer

Variable	Question	Response Codes	
tenurestatus_1	G1. What is the tenure status of this field?	1	State land
		2	Former customary land converted to state land
		3	Customary
		4	Other
		888	Don't know
		999	Refuse to answer
		7	My land/family land
		8	Rent/borrow
paperdoc_1	G2. Do you or HH have paper documentation for this field?	0	No
		1	Yes
		888	Don't know
		999	Refused to answer
document_1	G3. What type of documentation does your hh have for this field?	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
		6	Village wide certificate
		7	State land lease, unknown number of years
		8	Letter from the chief
		9	Title deed
		888	Don't know
docsign_1	G3c. Who is this letter signed by?	1	Chief
		2	District Council
		3	Both
		888	Don't know
		999	Refused to answer

Variable	Question	Response Codes	
document_mem_1	G4. Which hh members are listed on the documentation for this field?	1	Husband only
		2	Wife only
		3	Husband and wife
		4	Husband, wife and children
		5	Other
		6	Other family member
		7	Everyone in the village
		8	Wife and children
		9	Husband and children
		10	Headman
document_yr_1	G5. What year was this documentation obtained?	#	integer
document_help_1	G6. Who facilitated obtaining this documentation?	1	Headman
		2	Land Committee Member
		3	YGL
		4	NGO
		5	Friend/relative
		6	Other
		7	Chief
		8	Company/employer
		9	Government official
		888	Don't know

Variable	Question	Response Codes	
certificate_ben_1	G7.a First most important benefit from having Certificate for field	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
		6	Just to have it/no reason
		7	Proof of ownership
		8	Avoid land conflicts
		9	Assurance that renter pays
		10	Free inputs/farming advice
		11	It's the law
		12	To sell land without problems
		13	Chief said to get it
		14	Security in the future
		15	Improve my farming
		16	To read
		17	For help with parcel/boundary demarcation
		888	Don't know
certificate_benfuture_1	G8. Benefits expected in next 3-5 years from Certificate for field?	0	No benefits
		1	Yes, some benefits
		2	Yes, significant benefits
		888	Don't know
		999	Refused to answer

Variable	Question	Response Codes	
certificate_benfuture2_1a	G9.a 1st most important benefit expected in 3-5 yrs from having Certificate for field	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
		6	Just to have it/no reason
		7	Proof of ownership
		8	Avoid land conflicts
		9	Assurance that renter pays
		10	Free inputs/farming advice
		11	It's the law
		12	To sell land without problems
		13	Chief said to get it
		14	Security in the future
		15	Improve my farming
		16	To read
		17	For help with parcel/boundary demarcation
		888	Don't know
certificate_neg_1	G10. Experienced negative effects because of having Certificate for this field?	0	No
		1	Yes
		888	Don't know
		999	Refused to answer
certificate_negexpl_1	G11. Please briefly explain.	1	Annual payment to the chief
papdoc_yn_1	G12. If you could obtain Certificate of right to use this field, would you?	0	No
		1	Yes
		888	Don't know
		999	Refused to answer

Variable	Question	Response Codes
papdoc_why_1	G13. Why do you want to get Certificate of right to use this field?	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
		6 Just to have it/no reason
		7 Proof of ownership
		8 Avoid land conflicts
		9 Assurance that renter pays
		10 Free inputs/farming advice
		11 It's the law
		12 To sell land without problems
		13 Chief said to get it
		14 Security in the future
		15 Improve my farming
		16 To read
		17 For help with parcel/boundary demarcation
		888 Don't know

Variable	Question	Response Codes
nopapdoc_why_1	G14. Why do you NOT want customary land certificate for this field?	1 Just don't want
		2 My land rights are secure without it / no benefit
		3 Don't want to pay taxes / fees
		4 Not applicable because rent the land or will not stay here
		5 Already have document
		6 It's not possible to get one
		7 Would need permission from headman/chief
		8 Need more information / no knowledge
		9 Too old
		10 Papers could be used to remove me from my land
		11 Papers could cause a conflict in the future
		12 Land is too small
		13 Need permission from husband / relatives
		14 Process could be scary, difficult, expensive or time consuming
		15 No right to own land
		16 Will compromise or jepordize inheritance
		17 Do not trust anyone
		18 Do not want more rules
		19 Field is not fertile
		20 Can't read
		21 Believe inherited land to be ineligible/unnecessary
noformaldoc_effect_1	G15. Does lack formal doc discourage you from making improvements on land?	888 Don't know
		0 No
		1 Yes
		888 Don't know
		999 Refused to answer

Variable	Question	Response Codes
noformaldoc_effectexp_1	G15b. Please explain.	1 Afraid of having land grabbed
		2 Because of conflicts
		3 No proof of land ownership
		4 Children my have inheritance problems
		5 Cannot invest or fear losing investment
		6 If I improve land I'll be forced to leave it
		7 Land is not mine/belongs to someone else
		8 I don't control my land / decisions about my land
		9 I don't have enough land/inputs/help
		10 Boundaries are unclear
		11 Can't obtain credit/loan
		12 Cannot leave village or people will take my land
villhh_encroach_1	G17. In 1-3yrs, how likely other hhs within village may try to cross-over boundaries?	888 Don't know
		999 NA
		1 Impossible/would never happen
		2 Highly unlikely
		3 Unsure/I don't know
		4 Likely
		5 Very Likely
villhh_encroach3_1	G18. How likely do you think this is 4 years from now and beyond?	6 Happening right now
		7 Refused to answer
		1 Impossible/would never happen
		2 Highly unlikely
		3 Unsure/I don't know
		4 Likely
		5 Very Likely
		6 Happening right now
		7 Refused to answer

Variable	Question	Response Codes	
elite_encroach_1	G19. In 1-3yrs, how likely elites/big people may take this field without your permission?	1	Impossible/would never happen
		2	Highly unlikely
		3	Unsure/I don't know
		4	Likely
		5	Very Likely
		6	Happening right now
		7	Refused to answer
elite_encroach3_1	G20. How likely do you think this is 4 years from now and beyond?	1	Impossible/would never happen
		2	Highly unlikely
		3	Unsure/I don't know
		4	Likely
		5	Very Likely
		6	Happening right now
		7	Refused to answer
neighvill_encroach_1	G21. In 1-3yrs, how likely a neighboring community may cross-over to use this field?	1	Impossible/would never happen
		2	Highly unlikely
		3	Unsure/I don't know
		4	Likely
		5	Very Likely
		6	Happening right now
		7	Refused to answer
neighvill_encroach3_1	G22. How likely do you think this is 4 years from now and beyond?	1	Impossible/would never happen
		2	Highly unlikely
		3	Unsure/I don't know
		4	Likely
		5	Very Likely
		6	Happening right now
		7	Refused to answer

Variable	Question	Response Codes	
chief_reallocateh_1	G23. In 1-3yrs, how likely the chief will give this field up for investment purposes?	1	Impossible/would never happen
		2	Highly unlikely
		3	Unsure/I don't know
		4	Likely
		5	Very Likely
		6	Happening right now
		7	Refused to answer
chief_reallocate3_1	G24. How likely do you think this is 4 years from now and beyond?	1	Impossible/would never happen
		2	Highly unlikely
		3	Unsure/I don't know
		4	Likely
		5	Very Likely
		6	Happening right now
		7	Refused to answer
headman_reallocate_1	G25. In 1-3yrs, how likely village headman will re-allocate some/all of field to another hh?	1	Impossible/would never happen
		2	Highly unlikely
		3	Unsure/I don't know
		4	Likely
		5	Very Likely
		6	Happening right now
		7	Refused to answer
headman_reallocate3_1	G26. How likely do you think this is 4 years from now and beyond?	1	Impossible/would never happen
		2	Highly unlikely
		3	Unsure/I don't know
		4	Likely
		5	Very Likely
		6	Happening right now
		7	Refused to answer

Variable	Question	Response Codes	
family_encroach_1	G27. In 1-3yrs, how likely someone in extended fam will take over use of this field?	1	Impossible/would never happen
		2	Highly unlikely
		3	Unsure/I don't know
		4	Likely
		5	Very Likely
		6	Happening right now
		7	Refused to answer
family_encroach3_1	G28. How likely do you think this is 4 years from now and beyond?	1	Impossible/would never happen
		2	Highly unlikely
		3	Unsure/I don't know
		4	Likely
		5	Very Likely
		6	Happening right now
		7	Refused to answer
fallow_seasons_1	G29. # seasons could field lie fallow without worry about reallocation?	#	integer
dispute_1	H1. Have you ever experienced a land dispute on this field?	0	No
		1	Yes
		888	Don't know
		999	Refused to answer
disputecount_1	H2. In the past 3 years, how many land disputes have you experienced on this field?	#	integer
boundarydispute_1	H3a. Number of boundary disputes	#	integer

Variable	Question	Response Codes	
boundarywho_1	H3b. Who was involved in these disputes?	1	Household member
		2	Extended family member, not in household
		3	Non-related household (within or outside the village)
		4	Village official or leader (within or outside the village)
		5	Chief or higher authority
		6	Other
		7	Church
		8	Ex spouse
		888	Don't know
		999	Refused to answer
inheritancedispute_1	H4a. Number of inheritance disputes	#	integer
inheritancewho_1	H4b. Who was involved in these disputes?	1	Household member
		2	Extended family member, not in household
		3	Non-related household (within or outside the village)
		4	Village official or leader (within or outside the village)
		5	Chief or higher authority
		6	Other
		7	Church
		8	Ex spouse
		888	Don't know
		999	Refused to answer
rentdispute_1	H5a. Number of disputes about renting	#	integer

Variable	Question	Response Codes	
rentwho_1	H5b. Who was involved in these disputes?	1	Household member
		2	Extended family member, not in household
		3	Non-related household (within or outside the village)
		4	Village official or leader (within or outside the village)
		5	Chief or higher authority
		6	Other
		7	Church
		8	Ex spouse
		888	Don't know
		999	Refused to answer
landreallocatedispute_1	H6a. Number of disputes about land reallocation	#	integer
landreallocatewho_1	H6b. Who was involved in these disputes?	1	Household member
		2	Extended family member, not in household
		3	Non-related household (within or outside the village)
		4	Village official or leader (within or outside the village)
		5	Chief or higher authority
		6	Other
		7	Church
		8	Ex spouse
		888	Don't know
		999	Refused to answer
grazedispute_1	H7a. Number of disputes about livestock grazing on this field	#	integer

Variable	Question	Response Codes	
grazewho_1	H7b. Who was involved in these disputes?	1	Household member
		2	Extended family member, not in household
		3	Non-related household (within or outside the village)
		4	Village official or leader (within or outside the village)
		5	Chief or higher authority
		6	Other
		7	Church
		8	Ex spouse
		888	Don't know
		999	Refused to answer
treecutdispute_1	H8a. Number of disputes about cutting of trees the this field	#	integer
treecutwho_1	H8b. Who was involved in these disputes?	1	Household member
		2	Extended family member, not in household
		3	Non-related household (within or outside the village)
		4	Village official or leader (within or outside the village)
		5	Chief or higher authority
		6	Other
		7	Church
		8	Ex spouse
		888	Don't know
		999	Refused to answer
treeowndispute_1	H9a. Number of disputes about ownership of trees on this field	#	integer

Variable	Question	Response Codes	
treeownwho_1	H9b. Who was involved in these disputes?	1	Household member
		2	Extended family member, not in household
		3	Non-related household (within or outside the village)
		4	Village official or leader (within or outside the village)
		5	Chief or higher authority
		6	Other
		7	Church
		8	Ex spouse
		888	Don't know
		999	Refused to answer
firedispute_1	H10a. Number of disputes about fires or burning on this field	#	integer
firewho_1	H10b. Who was involved in these disputes?	1	Household member
		2	Extended family member, not in household
		3	Non-related household (within or outside the village)
		4	Village official or leader (within or outside the village)
		5	Chief or higher authority
		6	Other
		7	Church
		8	Ex spouse
		888	Don't know
		999	Refused to answer
fencedispute_1	H11. Number of disputes about fencing on this field	#	integer

Variable	Question	Response Codes	
fencewho_1	H11b. Who was involved in these disputes?	1	Household member
		2	Extended family member, not in household
		3	Non-related household (within or outside the village)
		4	Village official or leader (within or outside the village)
		5	Chief or higher authority
		6	Other
		7	Church
		8	Ex spouse
		888	Don't know
		999	Refused to answer
dispute_restime_1	H12. What is the longest time period that it has taken for a dispute to be resolved?	1	A couple days
		2	About 1 week
		3	Several weeks
		4	About one month
		5	Several months
		6	About one year
		7	2-3 years
		8	More than 3 years
dispute_satis_1	H14. How satisfied were you with the dispute resolution processes in your village?	1	Very satisfied
		2	Satisfied
		3	Neutral
		4	Dissatisfied
		5	Very dissatisfied
		6	Refused to answer
agseedubu_space_2	E10c. What is the spacing in meters between each Ububa tree that your household planted?	#	integer

Variable	Question	Response Codes
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noagfor_rsns	I1. What are the two most important reasons why you have not planted any agroforestry trees on your fields?	1	I don't have enough knowledge on tree planting
		2	I can't obtain seedlings/noseeds
		3	I don't have enough labor/too busy/no time
		4	I don't have access to enough water for tree planting
		5	I can't protect seedlings or trees I plant from livestock browsing on my fields after harvest
		6	I can't protect seedlings or trees I plant from fires that burn on my fields after harvest
		7	I don't see any benefits to doing so/Not interested
		8	I don't have enough certainty the land will still be mine by the time the benefits appear
		9	Other
		10	Not Enough Land/Small Field
		11	Field is fertile
		12	Program has not reached us/no info
		13	Many trees died after planting/hard to grow
		14	Trees are Planted
		15	Does not Own Field/Not Currently Using Field long term
		16	Program trees have not arrived, will be planted when they arrive
		17	Land disputes
		18	Too old/not tradition
		19	Will plant in the future
		20	Trees are communal
		21	Not a member of the group that gets seeds
		22	Trees will make too much shade
			May move to new village

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Variable	Question	Response Codes	
noagfor_rsns	[CONTINUED] I1. What are the two most important reasons why you have not planted any agroforestry trees on your fields?	28	Did not cultivate fields this year
		29	Was not given enough seedlings
		30	Difficult to transport
		888	Don't Know
		999	Refused to Respond

Variable	Question	Response Codes
agconsult	I2. In the past year, when you needed advice regarding the trees which you planted, who did you primarily consult?	1 YGL
		2 Neighbor
		3 Governmet extension agent
		4 Cooperative or farmers association
		5 NGO extension agent
		6 No one
		888 Don't know
		8 Other
		2 Family Member/Farmer/Friend/Individual/Lead Farmer
		10 Dunavant/Komako
		11 CFU (Conservation Farming Unit)
		12 COMACO
		13 Total Land Care
		14 Zamleaf
		15 Chief/Headman
		16 CARE
		17 Caregill
		18 JTI Tobacco Company
		19 LWF
		20 Mtengo/Shared Value Africa/IPA
		21 World Vision
		22 Zambia Land Alliance
		23 Village Meeting
		24 Ministry of Agriculture
		25 Agricultural Office
		26 Women's Club
		27 Profit Plus

Variable	Question	Response Codes	
agrisks	I3. Did you experience any challenges or risks from your agroforestry tree planting?	1	More pests/weeds/disease
		2	Competition for water
		3	Human-wildlife conflict
		4	Other
		5	No risks
		6	Difficult to Grow Seeds
		7	Too Easy to Cut/Uproot when Young
		8	Takes too long to grow/don't see benefit/too much work
		9	Musangu Thorns are Dangerous
		10	Easily Destroyed by Fire
		888	Don't Know
cfadvice	J1. In the past year, has your household received any advice on conservation farming?	999	Refused to Respond
		0	No
		1	Yes
		888	Don't know
		999	Refused to answer

Variable	Question	Response Codes	
cfinfoplat	J2. How did you household receive this advice or information?	1	Informal conversation
		2	Radio program
		4	Workshop
		5	Demonstration plot
		6	Visit by extension agent
		7	Meeting
		8	Training Programme
		9	Other
		10	SMS or phone call
		11	NGO/Company
		12	Field Day
		13	Club/Assoc/Cooperative
		14	Family/Friend/Neighbor
		15	Agricultural Officer/DFO
		16	Headman/Chief/Induna
		17	Agricultural Shop
		18	Lead Farmer
agadvice	J3. Did your household receive advice on agroforestry?	0	No
		1	Yes
		888	Don't know
		999	Refused to answer

Variable	Question	Response Codes	
aginfoplat	J4. How did your household receive this advice or information?	1	Informal conversation
		2	Radio program
		4	Workshop
		5	Demonstration plot
		6	Visit by extension agent
		7	Meeting
		8	Training Programme
		9	Other
		10	SMS or phone call
		11	NGO/Company
		12	Field Day
		13	Club/Assoc/Cooperative
		14	Family/Friend/Neighbor
		15	Agricultural Officer/DFO
		16	Headman/Chief/Induna
		17	Agricultural Shop
		18	Lead Farmer
agcfvisit	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?	#	integer
cfag_participate	J6. In the past year, how often has someone in your household participated in a meeting or field day about agroforestry or conservation farming organized by a government extension officer (camp officer), NGO, or some other organization?	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
rule_graze	K1a. Are there rules in this village which regulate or restrict grazing of livestock on communal lands?	0	No
		1	Yes
		888	Don't know
		999	Refused to answer

Variable	Question	Response Codes	
rule_grazefollow	K1b. How well do you think that these rules about grazing livestock on communal lands are followed by households in this village?	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
rule_grazepunish	K1c. If a person does not follow these rules about grazing livestock on communal lands, is there a consequence? With they be punished?	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
rule_seasonalgraze	K2a. Are there rules in this village which regulate or restrict seasonal grazing on fields after harvest?	0	No
		1	Yes
		888	Don't know
		999	Refused to answer
rule_seasonalgrazefollow	K2b. How well do you think that these rules about seasonal grazing on fields after harvest are followed by households in this village?	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

Variable	Question	Response Codes	
rule_seasonalgrazepunish	K2c. If a person does not follow these rules about seasonal grazing on fields after harvest, is there a consequence? With they be punished?	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
rule_treecut	K3a. Are there rules in this village which regulate or restrict cutting trees on fields?	0	No
		1	Yes
		888	Don't know
		999	Refused to answer
rule_treecutfollow	K3b. How well do you think that these rules about cutting trees are followed by households in this village?	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
rule_treecutpunish	K3c. If a person does not follow these rules about cutting trees, is there a consequence? With they be punished?	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

Variable	Question	Response Codes	
rule_treeown	K4a. Are there rules in this village which regulate or restrict ownership over trees planted on fields?	0	No
		1	Yes
		888	Don't know
		999	Refused to answer
rule_treeownfollow	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?	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
rule_treeownpunish	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?	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
rule_fire	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?	0	No
		1	Yes
		888	Don't know
		999	Refused to answer

Variable	Question	Response Codes	
rule_firefollow	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?	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
rule_firepunish	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?	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
rule_fence	K6a. Are there rules in this village which regulate or restrict fencing of land on your fields?	0	No
		1	Yes
		888	Don't know
		999	Refused to answer
rule_fencefollow	K6b. How well do you think that these rules which regulate or restrict fencing on your land are followed by households in your village?	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

Variable	Question	Response Codes	
rule_fencepunish	K6c. If a person does not follow these rules about fencing, is there a consequence? Will they be punished?	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
vlc	L1. Does your village have a village land committee (VLC)?	0	No
		1	Yes
		888	Don't know
		999	Refused to answer
land_leaders	L2. In your village, who is the most important decision maker about land?	1	Headman
		2	Induna
		3	Chief
		4	Village Land Committee
		5	Elders
		6	Other
		7	No one
		8	Chairman
		9	Inherited/It is inherited
		10	all village members/everyone is in charge of their own field
		11	founding fathers
		12	Specific individual
		13	Chief's committee/council
		14	Myself
		15	Headman from outside the village
		16	Land officer
		17	Youth
		888	Don't know
		999	Prefer not to reply

Variable	Question	Response Codes	
land_participate	L3. How often hh attend meetings about land ?	1	Always or nearly every time one was held
		2	Often
		3	A few times
		4	Once or twice
		5	Never
		888	Don't know
		999	Refused to answer
land_noparticipate_1	L4. didn't attend meetings because: Not interested	0	No
		1	Yes
		888	Don't know
		999	Refused to answer
land_satisfaction	L5. How satisfied are you with the decisions that your leaders make about land allocation?	1	Very satisfied
		2	Satisfied
		3	Neutral
		4	Dissatisfied
		5	Very dissatisfied
		6	Refused to answer
leader_trust	L6. The village leaders who make decisions about land are trusted and honest	1	Strongly Agree
		2	Agree
		3	Neither Agree or Disagree
		4	Disagree
		5	Strongly Disagree
		888	Don't know
		999	Refused to answer
leader_protect	L7. The village leaders protect shared community land from being taken or encroached upon	1	Strongly Agree
		2	Agree
		3	Neither Agree or Disagree
		4	Disagree
		5	Strongly Disagree
		888	Don't know
		999	Refused to answer

Variable	Question	Response Codes	
leader_fair	L8. The village leaders allocate land fairly across hhs	1	Strongly Agree
		2	Agree
		3	Neither Agree or Disagree
		4	Disagree
		5	Strongly Disagree
		888	Don't know
		999	Refused to answer
leader_transparent	L9. The village leaders do not act in secret; they are open with the community about their decisions	1	Strongly Agree
		2	Agree
		3	Neither Agree or Disagree
		4	Disagree
		5	Strongly Disagree
		888	Don't know
		999	Refused to answer
rules_clear	L10. I feel that rules about land are clear and well-known.	1	Strongly Agree
		2	Agree
		3	Neither Agree or Disagree
		4	Disagree
		5	Strongly Disagree
		888	Don't know
		999	Refused to answer
decisions_transparent	L11. I feel that decisions about customary land allocation are NOT transparent.	1	Strongly Agree
		2	Agree
		3	Neither Agree or Disagree
		4	Disagree
		5	Strongly Disagree
		888	Don't know
		999	Refused to answer
decisions_fair	L12. I feel that decisions about customary land allocation are fair	1	Strongly Agree
		2	Agree
		3	Neither Agree or Disagree
		4	Disagree
		5	Strongly Disagree
		888	Don't know
		999	Refused to answer

Variable	Question	Response Codes	
women_status	L13. I feel that women have been disadvantaged in decisions about land allocation	1	Strongly Agree
		2	Agree
		3	Neither Agree or Disagree
		4	Disagree
		5	Strongly Disagree
		888	Don't know
		999	Refused to answer
elderly_status	L14. I feel that elderly people have been disadvantaged in decisions about land allocation	1	Strongly Agree
		2	Agree
		3	Neither Agree or Disagree
		4	Disagree
		5	Strongly Disagree
		888	Don't know
		999	Refused to answer
poor_status	L15. I feel that poor families have been disadvantaged in decisions about land allocation	1	Strongly Agree
		2	Agree
		3	Neither Agree or Disagree
		4	Disagree
		5	Strongly Disagree
		888	Don't know
		999	Refused to answer
tribe_status	L16. I feel that hhs that do not share the tribe of the headman have been disadvantaged in decisions about land allocation.	1	Strongly Agree
		2	Agree
		3	Neither Agree or Disagree
		4	Disagree
		5	Strongly Disagree
		888	Don't know
		999	Refused to answer
leaders_accountable	L17. I feel that our village leaders are accountable for the land allocation decisions they make.	1	Strongly Agree
		2	Agree
		3	Neither Agree or Disagree
		4	Disagree
		5	Strongly Disagree
		888	Don't know
		999	Refused to answer

Variable	Question	Response Codes	
chief_enforce	L18. If I have a land dispute, I feel confident that the chief will enforce my land rights.	1	Strongly Agree
		2	Agree
		3	Neither Agree or Disagree
		4	Disagree
		5	Strongly Disagree
		888	Don't know
		999	Refused to answer
cattle	M1. How many CATTLE does your hh own?	#	integer
chicken	M2. How many VILLAGE CHICKENS does your hh own?	#	integer
guineafowls	M3. How many GUINEA FOWL does your hh own?	#	integer
ducks	M4. How many DUCKS AND GEESE does your hh own?	#	integer
goats	M5. How many GOATS does your hh own?	#	integer
pigs	M6. How many PIGS does your hh own?	#	integer
rabbits	M7. How many RABBITS does your hh own?	#	integer
pigeons	M8. How many PIGEON does your hh own?	#	integer
ox	M9. How many OXEN does your hh own?	#	integer
phone	N1a. How many MOBILE PHONES does your hh own?	#	integer
phonenew	N1b. How many MOBILE PHONES has your hh purchased in the last 1-2 years?	#	integer
radio	N2a. How many RADIOS does your hh own?	#	integer
radionew	N2b. How many RADIOS has your hh purchased in the last 1-2 years?	#	integer
tv	N3a. How many TVS does your hh own?	#	integer
tvnew	N3b. How many TVS has your hh purchased in the last 1-2 years?	#	integer

Variable	Question		Response Codes
car	N4a. How many CARS, VANS, AND PICKUP TRUCKS does your hh own?	#	integer
carnew	N4b. How many CARS, VANS, AND PICKUP TRUCKS has your hh purchased in the last 1-2 years?	#	integer
motor	N5a. How many MOTORCYCLES does your hh own?	#	integer
motornew	N5b. How many MOTORCYCLES has your hh purchased in the last 1-2 years?	#	integer
bike	N6a. How many BICYCLES does your hh own?	#	integer
bikenew	N6b. How many BICYCLES has your hh purchased in the last 1-2 years?	#	integer
stove	N7a. How many COOK STOVES does your hh own?	#	integer
stovenew	N7b. How many COOK STOVES has your hh purchased in the last 1-2 years?	#	integer
pump	N8a. How many WATER PUMPS/TREADLE PUMPS does your hh own?	#	integer
pumpnew	N8b. How many WATER PUMPS/TREADLE PUMPS has your hh purchased in the last 1-2 years?	#	integer
solar	N9a. How many SOLAR PANELS does your hh own?	#	integer
solarnew	N9b. How many SOLAR PANELS has your hh purchased in the last 1-2 years?	#	integer
ax	N10a. How many PICK AXES does your hh own?	#	integer
axnew	N10b. How many PICK AXES has your hh purchased in the last 1-2 years?	#	integer
oxplough	N11a. How many OX-DRAWN PLOUGHS does your hh own?	#	integer

Variable	Question		Response Codes
oxploughnew	N11b. How many OX DRAWN PLOUGHS has your hh purchased in the last 1-2 years?	#	integer
disclough	N12a. How many DISC PLOUGHS does your hh own?	#	integer
discloughnew	N12b. How many DISC PLOUGHS has your hh purchased in the last 1-2 years?	#	integer
ripper	N13a. How many RIPPERS does your hh own?	#	integer
rippernew	N13b. How many RIPPERS has your hh purchased in the last 1-2 years?	#	integer
kspray	N14a. How many KNAPSACK SPRAYERS does your hh own?	#	integer
kspraynew	N14b. How many KNAPSACK SPRAYERS has your hh purchased in the last 1-2 years?	#	integer
ridger	N15a. How many RIDGERS/WEEDERS does your hh own?	#	integer
ridgernew	N15b. How many RIDGERS/WEEDERS has your hh purchased in the last 1-2 years?	#	integer
oxcart	N16a. How many OX CARTS does your hh own?	#	integer
oxcartnew	N16b. How many OX CARTS has your hh purchased in the last 1-2 years?	#	integer
scotchcart	N17a. How many SCOTCH CARTS does your hh own?	#	integer
scotchcartnew	N17b. How many SCOTCH CARTS has your hh purchased in the last 1-2 years?	#	integer
wheelbarrow	N18a. How many WHEEL BARROWS does your hh own?	#	integer
wheelbarrownew	N18b. How many WHEEL BARROWS has your hh purchased in the last 1-2 years?	#	integer
meals	N19. With how many meals did your hh eat meat in the last 7 days?	#	integer

Variable	Question	Response Codes	
roof	N20. What is the roof of the hh's house made of?	1	Grass thatched
		2	Iron sheets
		3	Tin
		4	Zinc
		5	Roofing Tile
		6	Concrete
		7	Cardboard
		8	asbestos
		9	Shingles
		10	Plastic sheets
		11	Other material
		12	None (no roof)
housepaint	N21. Is the respondent's house painted?	0	No
		1	Yes
		888	Don't know
		999	Refused to answer
landinfo	O1. In the past year, has your hh received any information about who can help resolve a land conflict?	0	No
		1	Yes
		888	Don't know
		999	Refused to answer

Variable	Question	Response Codes
landinfosrce	O2. Which person or organization was recommended to help resolve a land conflict?	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
		11 Chief
		12 Family/neighbor
		13 Church
		14 Government/Courts
		15 Unknown people from outside the village/Lusaka
		16 Teacher
		17 Cloudburst

Variable	Question	Response Codes
landinfopt	O3. How did your hh receive this advice or information about conflict resolution processes?	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
		10 advisors to the chief
		11 neighbours
		12 headman
		13 public announcements
		14 police
		15 other villages
		16 land dispute
		17 personal meeting
custcertinfo	O4. Did your hh receive any information about customary land certificates specifically?	0 No
		1 Yes
		888 Don't know
		999 Refused to answer

Variable	Question	Response Codes
custcertinfosrce	O5. Who provided your hh with the most advice or information about customary land certificates?	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
		11 Chief
		12 Church
		13 Firend/Family/Neighbour
		14 Gov/Ag Officer
		15 Group from outside village
		16 Cloudburst

Variable	Question	Response Codes	
custcertinfoplt	O6. How did your hh receive this advice or information?	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
		10	
		11	Chief
		12	Church
		13	Firend/Family/Neighbour
		14	Gov/Ag Officer
		15	Group from outside village
		16	Cloudburst
		17	personal meeting
		888	Don't Know
income_salary	P1. Thinking over the past year, how much income did your household receive from salary, wages, off-farm trade, or petty trade?	#	integer
income_livestock	P2. Thinking over the past year, how much income did your household receive from selling livestock or livestock products?	#	integer
income_other	P3. Thinking over the past year, how much income did your household receive from remittances, non-field rents or pensions?	#	integer

Variable	Question	Response Codes	
income_rent	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?	1	Cash
		2	Labor
		3	Crop
		4	Other
		5	Fertilizer
		6	Livestock
		7	Have not been paid yet
		8	Seedlings
		9	Nothing
		10	Paid a debt
		13	Cash and crops
		14	Cash and other
		777	Not Applicable
		999	Prefer not to answer
rent_cash	P4c. How much payment did you receive for renting your fields?	#	integer
rent_labor	P4d. How many person-days of labor did you receive for renting your fields?	#	integer
rent_cropprcent	P4e. What share of the field's crop yield did you receive for renting your field?	1	Less than 25%
		2	25% - 49%
		3	About half
		4	51%-74%
		5	More than 75%

Variable	Question	Response Codes
rent_crop	P4f. What crop did you receive?	1 Local maize
		2 Composite (pollenated) maize
		3 Hybrid maize
		4 Cassava
		5 Sweet potato
		6 Irish potato
		7 Groundnet
		8 Ground bean (Nzama)
		9 Rice
		10 Finger millet(mawere)
		11 Sorghum
		12 Pearl millet (mchewere)
		13 Bean
		14 Soyabean
		15 Pigeon Peas
		16 Burley tobacco
		17 Tobacco (other)
		18 Cotton
		19 Sugarcane
		20 Cabbage Tanaposi
		21 Nkhwani
		22 Therere/Okra
		23 Tomato
		24 Onion
		25 Peas
		26 Trees or woodlot
		27 Sunflower

Variable	Question	Response Codes	
rent_crop	[CONTINUED] P4f. What crop did you receive?	28	Other
		29	mixed seed of local and hybrid maize
		30	sunflower and groundnut intercropped
		31	Popcorn
		32	Banana
		33	Vegetables, unspecified
		34	Soybean and Sunflower intercropped
		35	Mabele
		36	Kandolo
		37	chili
		38	Pumpkin leaves
		39	Rape (?)
		40	Carrots
		41	Watermelon
		42	Impwa
		9999	NA/no field
rent_crop_amount	P4g. Amount	#	integer

Variable	Question	Response Codes
rent_crop_unit	P4h. Unit	1 ox cart
		2 kilo
		3 litres
		4 tins
		5 25 kg bunch
		6 crates
		7 tonnes
		8 No/None/Non/0
		9 Galon
		10 Grams
		11 Trees/seedling
		12 KG
		13 plate
		14 coca cola bottle top
		15 5 li bucket/pot
		16 cobs of maize
		17 nesary
		18 bag/sack
		19 basin
		20 meda
		21 satchet/packet
		22 teaspoon
		23 cups
		24 balls
		25 tablespoon
		26 station
		27 miles
rent_crop_unit	[CONTINUED] P4h. Unit	28 Bells
		29 Woolbags
		30 Individual unit
		31 Wheelpack/Wallparck
		9999 Not applicable
		8 grams

Variable	Question	Response Codes	
loan	P5. Did your household take out any formal loans from a bank or micro-credit institution in the past year?	0	No
		1	Yes
		888	Don't know
		999	Refused to answer
loandoc	P6. Did you have to provide any documentation of your land rights to secure the loan?	0	No
		1	Yes
		888	Don't know
		999	Refused to answer
loandocreq	P7. What kind of documentation was required?	1	NRC
		2	Book/company book
		3	Receipts/invoice/credit order
		4	Agreement Forms
		999	Prefer not to answer
farmercoop	Q1. Is anyone in this household a member of a farmer cooperative, farmer group, or farmer association?	0	No
		1	Yes
		888	Don't know
		999	Refused to answer
womengroup	Q2. Is anyone in this household a member of a women's group?	0	No
		1	Yes
		888	Don't know
		999	Refused to answer
loangroup	Q3. Is anyone in this household a member of a local savings and loan society?	0	No
		1	Yes
		888	Don't know
		999	Refused to answer
headmanrelate	Q4. Is the headman in this village related to you or your spouse?	0	No
		1	Yes
		888	Don't know
		999	Refused to answer
headmanrelate1	Q5. Is the headman in this village related to either the head of household or the spouse of the head of household?	0	No
		1	Yes
		888	Don't know
		999	Refused to answer

Variable	Question	Response Codes	
headmanrelatespec	Q6. What is the relationship of the headman to you and/or your spouse?	1	Immediate family
		2	Extended family
headmanrelatespec1	Q7. What is the relationship of the headman to the head of household or the spouse of the head of household?	1	Immediate family
		2	Extended family
chiefrelate	Q8. Is the chief of this village related to either you or your spouse?	0	No
		1	Yes
		888	Don't know
		999	Refused to answer
chiefrelate1	Q9. Is the chief of this village related to either the head of household or the spouse of the head of household?	0	No
		1	Yes
		888	Don't know
		999	Refused to answer
chiefrelatespec	Q10. What is the relationship of the chief to you and/or your spouse?	1	Immediate family
		2	Extended family
chiefrelatespec1	Q11. What is the relationship of the chief to the head of household or the spouse of the head of household?	1	Immediate family
		2	Extended family
s_status_new	S1. Please select the correct survey status from the list	1	Complete
		2	Incomplete, come back
		3	Incomplete, can not finish
		4	Refused to participate
s_reliable	S2. On a scale of 1-5 where five is very reliable, how reliable was this respondent?	#	integer
manureyr_1	F6b. What years did your household add animal manure or compost to this field?	2014	2014
		2013	2013
		2012	2012
		2011	2011
		2010	2010
		2009	2009

Variable	Question	Response Codes
manurersn_1	F6c. What are the two most important reasons why your household chose to add animal manure or compost to this field?	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 bequeathland to children
		8 Raise value of land to use as collateral
		9 Other
		10 Helps soil store water/hold moisture/Keep water
		11 Reduce weeds/weeding is easier/weeds do not grow as quickly
		12 To put in fertilizer/manure/more efficient use/help secure fertilizer
		13 Try something new/NGO showed us this method
		14 promised something for using the method/
		15 Lack of Re-sources/Time/Manpower/Simplest Method
		16 protect my land
		17 Only method known/traditional method
		18 Reduce pests
		19 Help organize planting
		20 Demarcation/Boundary Marking
		21 Protect from animal grazing/conflict
		22 Protect from fire or wind
		888 Don't know
		999 Refused to answer

Variable	Question	Response Codes	
croprotateyr_1	F6b. What years did your household add animal croprotate or compost to this field?	2014	2014
		2013	2013
		2012	2012
		2011	2011
		2010	2010
		2009	2009

Variable	Question	Response Codes
croprotatersn_1	F6c. What are the two most important reasons why your household chose to add animal croprotate or compost to this field?	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 bequeathland to children
		8 Raise value of land to use as collateral
		9 Other
		10 Helps soil store water/hold moisture/Keep water
		11 Reduce weeds/weeding is easier/weeds do not grow as quickly
		12 To put in fertilizer/manure/more efficient use/help secure fertilizer
		13 Try something new/NGO showed us this method
		14 promised something for using the method/
		15 Lack of Re-sources/Time/Manpower/Simplest Method
		16 protect my land
		17 Only method known/traditional method
		18 Reduce pests
		19 Help organize planting
		20 Demarcation/Boundary Marking
		21 Protect from animal grazing/conflict
		22 Protect from fire or wind
		888 Don't know
		999 Refused to answer

Variable	Question	Response Codes
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