LIPS SURVEY TOOL FINAL

Consent

* You are being requested to participate in a survey aiming at understanding livestock production, under a project led by the Internaltional Livestock Research Institute, in partnership with the International Maize and Wheat Improvement Centre. The enumerator will offer answers or clarifications to all your questions and concerns, before deciding whether or not you can participate. Your participation in this study will not whatsoever expose you, your household or those associated with you to any risks. Participation in this study is voluntary. You have the right to refuse to participate in this study. If you choose to participate, you have the right to stop the interview at any stage or not to answer certain questions. If you refuse or stop your participation at any time, there will be no consequences. All information solicited from you, your household or your associates will be kept strictly confidential. We shall not in any way disclose you, your household or your associates personally in resultant documents, or data sharing processes. Do you agree to participate?

participation at any time, there will be kept strictly confidentia	to stop the interview at any stage or not to answer certain questions. It will be no consequences. All information solicited from you, your hou. I. We shall not in any way disclose you, your household or your associan sharing processes. Do you agree to participate?
ОК	
General information	n
District	
Beitbridge	
Buhera	
Mutoko	
Nkayi	
Gwanda	
Chiredzi	
Ward	
Village	
Surname	
Firstname	
Enter a date and time	
yyyy-mm-dd	hh:mm

Record your current location

latitude	÷ (x.y °)		
longitu	de (x.y °)	-	
altitude	e (m)	-	
accurac	cy (m)	-	
		-	
Dem	ographics		
	d is the head of the ho	usehold?	
What is	s the sex of the head of	the househ	old?
\bigcirc	Male		
\bigcirc	Female		
What is	s the marital status of t	the head of	he household?
	Married		
	Widow or widower		
	Divorced		
	Single		
What is	s the education level of	the head of	the household?
	Primary level		
	Secondary level		
\bigcirc	Tertiary level		
\bigcirc	Vocational school		

Household composition

lotal number of adult males (of age 18 and above)
Total number of adult females (of age 18 and above)
Total number of teens of age 12 to 17
Total number of children of age 3 to 11
Total number of infant of age 0 to 2
Are there relatives outside the household who help financially?
○ No
Yes
Are there relatives outside the household who depend on it financially (e.g., elderly, sick)?
○ No
Yes
Did your household hire labour in during the past 12 months?
No
Yes
Did your household sell labour out during the past 12 months?
No
Yes
Capital
Number of tractors?

Number of plougns?	
Number of cultivators?	•
Number of scotchcarts?	
Number of wheelbarrows?	•
Number of knapsack sprayers?	•
Land allocation during this Area of the farm that has not been clear	
Garden area (ha)	-
Area of the farm fallow this season 2020	
Area cropped in maize this season 2020-	21 (ha)?
Area cropped in sorghum this season 20	20-21 (ha)? -
Area cropped in pearl millet this season	2020-21 (ha)?

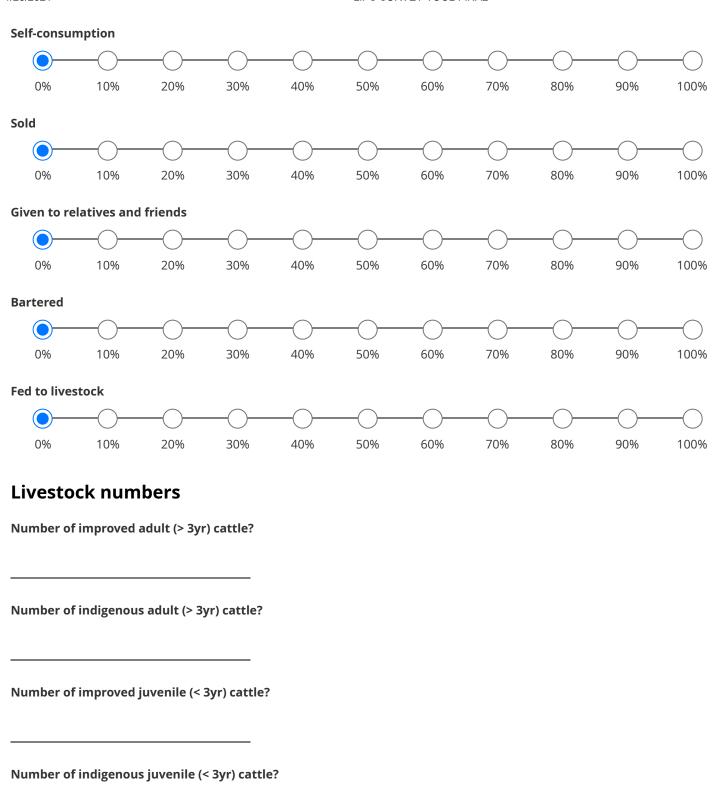
Area cropped in sugar bean this season	2020-21 (ha)?
	-
Area cropped in groundnut this season 2	2020-21 (ha)?
Area cropped in cowpea this season 202	0-21 (ha)?
Area cropped in sesame this season 2020	0-21 (ha)?
Area cropped in cotton this season 2020	-21 (ha)?
Area cropped in tobacco this season 202	0-21 (ha)?
Area cropped in forage this season 2020	-21 (ha)?
Area cropped in other crops this season	2020-21 (ha)?
Name(s) of other crop(s)	
Land allocation during the	last season (2019 - 2020)
Area cropped in maize during the last 20	019-20 season (ha)?

Area cropped in sorghum during the last 2019-20 season (ha)?
Area cropped in pearl millet during the last 2019-20 season (ha)?
Area cropped in finger millet during the last 2019-20 season (ha)?
Area cropped in sugar bean during the last 2019-20 season (ha)?
Area cropped in groundnut during the last 2019-20 season (ha)?
Area cropped in cowpea during the last 2019-20 season (ha)?
Area cropped in sesame during the last 2019-20 season (ha)?
Area cropped in cotton during the last 2019-20 season (ha)?
Area cropped in tobacco during the last 2019-20 season (ha)?
Area cropped in forage during the last 2019-20 season (ha)?
Area cropped in other crops during the last 2019-20 season (ha)?
Name(s) of other crop(s)

Crop production during the last season (2019 - 2020)

Total production of maize during the last 2019-20 season (kg)?
Total production of sorghum during the last 2019-20 season (kg)?
Total production of pearl millet during the last 2019-20 season (kg)?
Total production of finger millet during the last 2019-20 season (kg)?
Total production of sugar bean during the last 2019-20 season (kg)?
Total production of groundnut during the last 2019-20 season (kg)?
Total production of cowpea during the last 2019-20 season (kg?
Total production of sesame during the last 2019-20 season (kg)?
Total production of cotton during the last 2019-20 season (kg)?
Total production of tobacco during the last 2019-20 season (kg)?
Total production of forage during the last 2019-20 season (kg)?

Use (%) of grain harvested during the last (2019 - 20) season



Number of oxen?

Number of donkeys?

Number of improved goats?	
Number of indigenous goats?	
Number of sheep?	•
Number of pigs?	•
Number of chicken?	•
Number of turkey?	•
Number of guinea fowls?	
Livestock sales in the past	12 months
Number of improved adult (> 3yr) cattle	sold in the past 12 months?
Number of indigenous adult (> 3yr) cattle	e sold in the past 12 months?
Number of improved juvenile (< 3yr) cat	tle sold in the past 12 months?
0	-
Number of indigenous juvenile (< 3yr) ca	attle sold in the past 12 months?
0	

Number of oxen sold in the past 12 months?
0
Number of donkeys sold in the past 12 months?
0
Number of improved goats sold in the past 12 months?
0
Number of indigenous goats sold in the past 12 months?
0
Number of sheep sold in the past 12 months?
0
Number of pigs sold in the past 12 months?
0
Number of chicken sold in the past 12 months?
0
Number of turkey sold in the past 12 months?
0
Number of guinea fowls sold in the past 12 months?
0
Livestock slaughtered in the past 12 months
Number of improved adult (> 3yr) cattle slaughtered in the past 12 months?
0
Number of indigenous adult (> 3yr) cattle slaughtered in the past 12 months?
0

Number of improved juvenile (< 3yr) cattle slaughtered in the past 12 months?
0
Number of indigenous juvenile (< 3yr) cattle slaughtered in the past 12 months?
0
Number of oxen slaughtered in the past 12 months?
0
Number of improved goats slaughtered in the past 12 months?
0
Number of indigenous goats slaughtered in the past 12 months?
0
Number of sheep slaughtered in the past 12 months?
0
Number of pigs slaughtered in the past 12 months?
0
Number of chicken slaughtered in the past 12 months?
0
Number of turkey slaughtered in the past 12 months?
0
Number of guinea fowls slaughtered in the past 12 months?
0
Livestock mortality in the past 12 months
Number of improved adult (> 3yr) cattle dying in the past 12 months?
0

Number of indigenous adult (> 3yr) cattle dying in the past 12 months?
0
Number of improved juvenile (< 3yr) cattle dying in the past 12 months?
0
Number of indigenous juvenile (< 3yr) cattle dying in the past 12 months?
0
Number of oxen dying in the past 12 months?
0
Number of donkeys dying in the past 12 months?
0
Number of improved goats dying in the past 12 months?
0
Number of indigenous goats dying in the past 12 months?
0
Number of sheep dying in the past 12 months?
0
Number of pigs dying in the past 12 months?
0
Number of chicken dying in the past 12 months?
0
Number of turkey dying in the past 12 months?
0
Number of guinea fowls dying in the past 12 months?

Livestock theft in the past 12 months

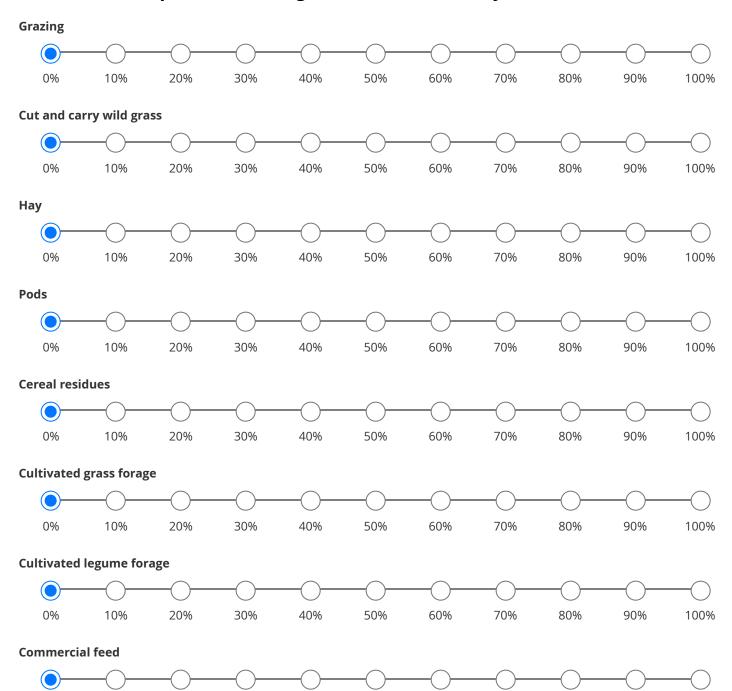
Number of cattle stolen in the past 12 months?

0

Number of goats stolen in the past 12 months?

0

Cattle feed composition (% weight) in December - May



20%

30%

40%

50%

60%

70%

80%

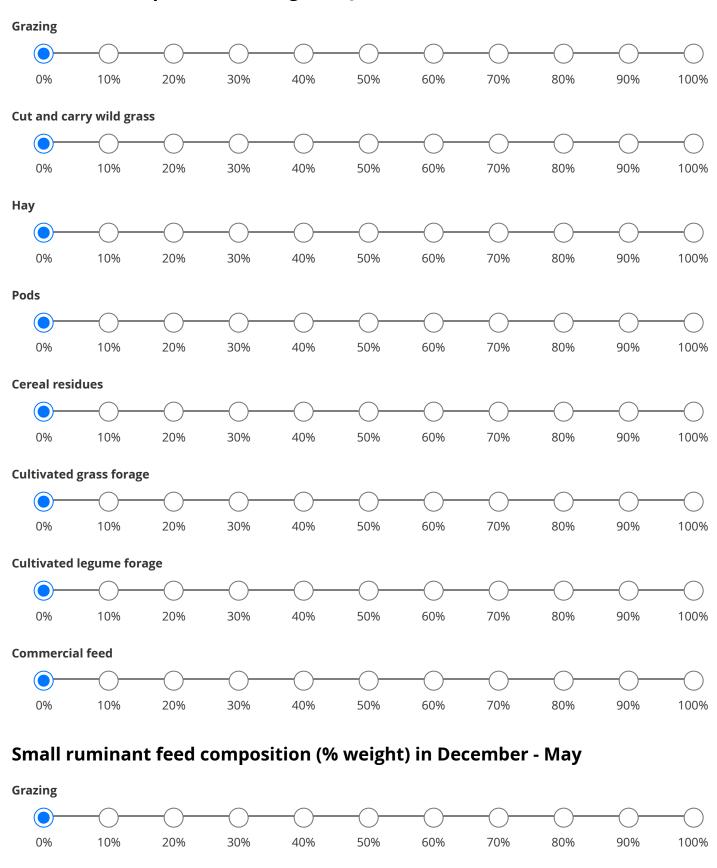
90%

0%

10%

100%

Cattle feed composition (% weight) in June - November



20%

30%

40%

50%

60%

70%

80%

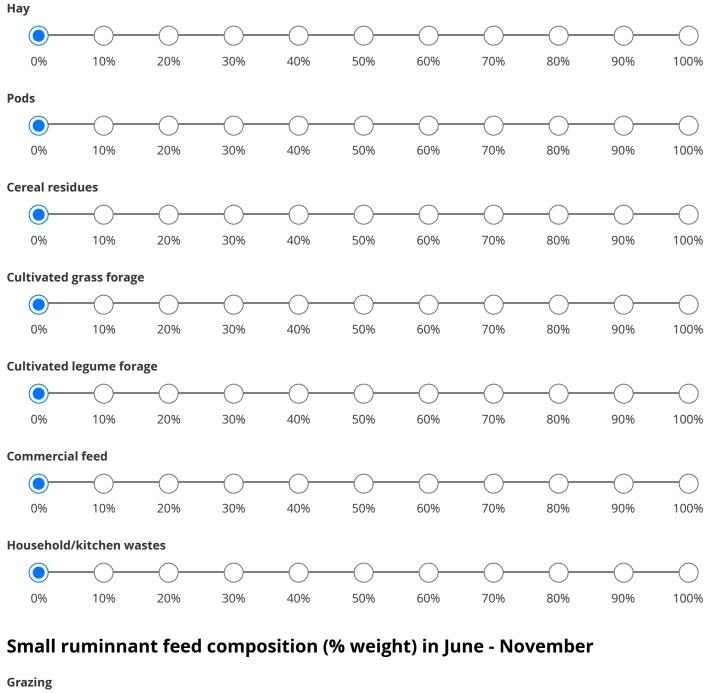
90%

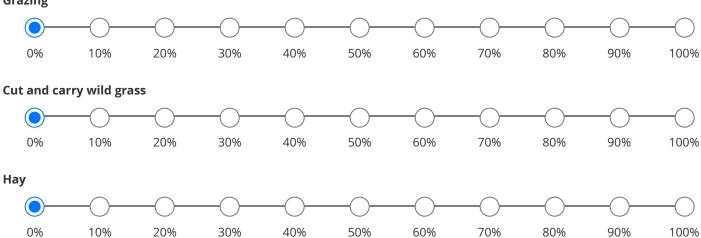
Cut and carry wild grass

10%

0%

100%





70%

80%

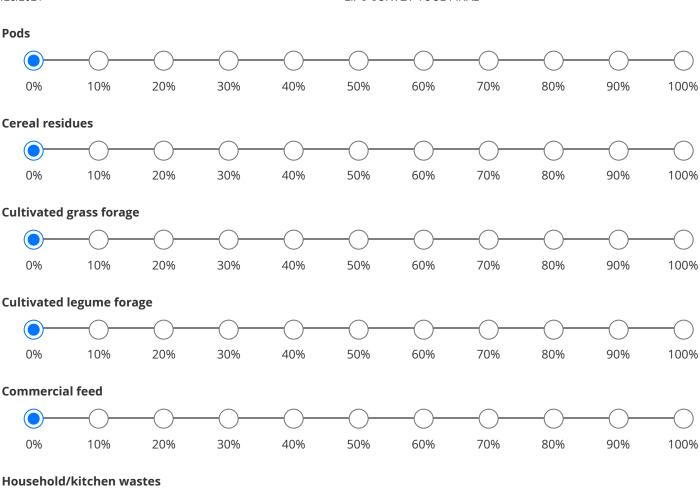
90%

100%

0%

10%

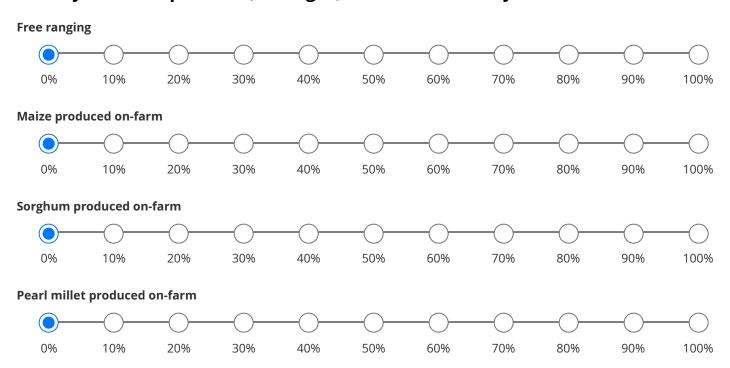
20%



Poultry feed composition (% weight) in December - May

40%

30%



50%

60%





Commercial feed



Household/kitchen wastes



Poultry feed composition (% weight) in June - November

Free ranging



Maize produced on-farm



Sorghum produced on-farm



Pearl millet produced on-farm



Finger millet produced on-farm



Commercial feed



Household/kitchen wastes



Have you used the following climate-smart agriculture practices in the past 12 months?

Practices:	No	Yes
Quality certified seeds (i.e., trusted source, guaranted minimum germination rate)		
Community seed banks		\bigcirc
Drought-tolerant varieties	\bigcirc	\bigcirc
Small grains	\bigcirc	\bigcirc
Crop rotation	\bigcirc	
Intercropping		
Cover crops (i.e., crops planted specifically to control erosion and/or increase soil fertility)		
Mulching		
Integrated pest management (i.e., scouting and use of several control methods in addition to pesticides)		
Compost/Manure		
Drip/Micro irrigation		
Optimum plant density (e.g., gap filling, planting at the right density, including through the use of mechanical planters)		
Quantity of input (kg) used o	n the whole farm this sea	ıson (2020-21)
Basal fertilizer (kg)		
Main type of basal fertilizer		
Compound D		
DAP		
Other		
Name of basal fertilizer		
Top dressing fertilizer (kg)		

Main type of top dressing fertilizer		
AN		
Urea		
Other		
Name of top dressing fertilizer		
Manure (kg)		
Compost (kg)		
Have you used the following important months? Practices:	roved livestock pract	cices in the past 12
Improved livestock breeds		
Improved animal shelters (for goats, poultry or cattle: enough space, good ventilation, protecting from the sun, dry floor)		
Water infrastructure for livestock at homestead (e.g. water trough)		
Routine vaccinations by Veterinary Officer or Paravet	\bigcirc	
Home vaccinations (farmer administered vaccinations)		
Castration	\bigcirc	
Deworming	\bigcirc	
Dipping	\bigcirc	
How many times do you use the dip tank in the pa	ast 12 months?	
Spraying livestock at home		
Use of services of community animal health worker (Paravet)	\circ	\circ
Homemade animal feeds made with locally available ingredients (e.g. for poultry)		

Fodder production for ruminants (e.g. velvet bean, lablab) Fodder preservation for ruminants (e.g. Silage making) Survival feeding (feeding of productive livestock in lean season) Animal feed supplied by feed companies Artificial insemination Pen fattening Cattle diseases What is the most important cattle disease you have experienced in the last 12 months? None Anaplasmosis Trypanosomosis Anthrax Anaplasmosis Trypanosomosis Anthrax Black leg Foot-and-mouth disease Lumpy skin Rabies Other Specify the name of the cattle disease Was DVS involved in the disease diagnostic? No Yes Was DVS involved in the management of the disease? No Yes What was the main source of drug to control the disease? None DVS Local shop Vet drug distributor			
Silage making) Survival feeding (feeding of productive livestock in lean season) Animal feed supplied by feed companies Artificial insemination Pen fattening Cattle diseases What is the most important cattle disease you have experienced in the last 12 months? None			
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Artificial insemination Pen fattening Cattle diseases What is the most important cattle disease you have experienced in the last 12 months? None Theileriosis Babesiosis Anthrax Black leg Foot-and-mouth disease Lumpy skin Rabies Tuberculosis Brucellosis Other Specify the name of the cattle disease Was DVS involved in the disease diagnostic? No Yes Was DVS involved in the management of the disease? No Yes What was the main source of drug to control the disease? None DVS Local shop			
Cattle diseases What is the most important cattle disease you have experienced in the last 12 months? None Theileriosis Babesiosis Anthrax Black leg Foot-and-mouth disease Lumpy skin Rabies Tuberculosis Brucellosis Other Specify the name of the cattle disease Was DVS involved in the disease diagnostic? No Yes Was DVS involved in the management of the disease? No Yes What was the main source of drug to control the disease? None DVS Local shop	Animal feed supplied by feed companie	es	
Cattle diseases What is the most important cattle disease you have experienced in the last 12 months? None Theileriosis Babesiosis Anaplasmosis Trypanosomosis Anthrax Black leg Foot-and-mouth disease Lumpy skin Rabies Tuberculosis Brucellosis Other Specify the name of the cattle disease Was DVS involved in the disease diagnostic? No Yes Was DVS involved in the management of the disease? No Yes What was the main source of drug to control the disease? None DVS Local shop	Artificial insemination	\bigcirc	
What is the most important cattle disease you have experienced in the last 12 months? None Theileriosis Anaplasmosis Trypanosomosis Anthrax Black leg Foot-and-mouth disease Lumpy skin Rabies Tuberculosis Brucellosis Other Specify the name of the cattle disease Was DVS involved in the disease diagnostic? No Yes Was DVS involved in the management of the disease? No Yes What was the main source of drug to control the disease? None DVS Local shop	Pen fattening	\bigcirc	
None	Cattle diseases		
Anaplasmosis Trypanosomosis Anthrax Black leg Foot-and-mouth disease Lumpy skin Rabies Tuberculosis Brucellosis Other Specify the name of the cattle disease Was DVS involved in the disease diagnostic? No Yes Was DVS involved in the management of the disease? No Yes What was the main source of drug to control the disease? None DVS Local shop	What is the most important cattle dise	ase you have experienced in the la	st 12 months?
Black leg Foot-and-mouth disease Lumpy skin Rabies Tuberculosis Brucellosis Other Specify the name of the cattle disease Was DVS involved in the disease diagnostic? No Yes Was DVS involved in the management of the disease? No Yes What was the main source of drug to control the disease? None DVS Local shop	None	Theileriosis	Babesiosis
Rabies Tuberculosis Brucellosis Other Specify the name of the cattle disease Was DVS involved in the disease diagnostic? No Yes Was DVS involved in the management of the disease? No Yes What was the main source of drug to control the disease? None DVS Local shop	Anaplasmosis	Trypanosomosis	Anthrax
Other Specify the name of the cattle disease Was DVS involved in the disease diagnostic? No Yes Was DVS involved in the management of the disease? No Yes What was the main source of drug to control the disease? None DVS Local shop	Black leg	Foot-and-mouth disease	Lumpy skin
Specify the name of the cattle disease Was DVS involved in the disease diagnostic? No Yes Was DVS involved in the management of the disease? No Yes What was the main source of drug to control the disease? None DVS Local shop	Rabies	Tuberculosis	Brucellosis
Was DVS involved in the disease diagnostic? No Yes Was DVS involved in the management of the disease? No Yes What was the main source of drug to control the disease? None DVS Local shop	Other		
No Yes Was DVS involved in the management of the disease? No Yes What was the main source of drug to control the disease? None DVS Local shop	Specify the name of the cattle disease		
Was DVS involved in the management of the disease? No Yes What was the main source of drug to control the disease? None DVS Local shop	Was DVS involved in the disease diagno	ostic?	
Was DVS involved in the management of the disease? No Yes What was the main source of drug to control the disease? None DVS Local shop	No		
No Yes What was the main source of drug to control the disease? None DVS Local shop	Yes		
What was the main source of drug to control the disease? None DVS Local shop	Was DVS involved in the management o	of the disease?	
What was the main source of drug to control the disease? None DVS Local shop	No		
None DVS Local shop	Yes		
DVS Local shop	What was the main source of drug to co	ontrol the disease?	
Local shop	None		
	O DVS		
Vet drug distributor	Local shop		
\sim	Vet drug distributor		
How many cattle died of the disease in the last 12 months?		the last 12 months?	

What i	s the second most important cat	tle di	sease you have experienced in th	e last	: 12 months?
	None		Theileriosis		Babesiosis
$\widetilde{\bigcirc}$	Anaplasmosis	$\widetilde{\bigcirc}$	Trypanosomosis	\bigcirc	Anthrax
$\widetilde{\bigcirc}$	Black leg	$\widetilde{\bigcirc}$	Foot-and-mouth disease	$\widetilde{\bigcirc}$	Lumpy skin
$\overline{\bigcirc}$	Rabies	$\overline{\bigcirc}$	Tuberculosis	$\overline{\bigcirc}$	Brucellosis
	Other				
Specify	the name of the cattle disease				
What i	s the third most important cattle	dise	ase you have experienced in the l	last 1	2 months?
	None		Theileriosis		Babesiosis
	Anaplasmosis		Trypanosomosis		Anthrax
	Black leg	\bigcirc	Foot-and-mouth disease	\bigcirc	Lumpy skin
	Rabies	\bigcirc	Tuberculosis	\bigcirc	Brucellosis
\bigcirc	Other				
	ep and goat diseases	goat	disease you have experienced in a	the la	ust 12 moths?
\bigcirc	None	\bigcirc	Rinderpest	\bigcirc	Pulpy kidney
\bigcirc	Mange	\bigcirc	Anthrax	\bigcirc	Brucellosis
\bigcirc	Tuberculosis	\bigcirc	Other		
Specify the name of the small ruminant disease					
Was D\	/S involved in the disease diagno	stic?			
\bigcirc	No				
\bigcirc	Yes				
Was D\	/S involved in the management o	f the	disease?		
	No				
	Yes				

What was the main source of drug to control the disease?				
None				
O DVS				
C Local shop				
Vet drug distributor				
How many sheep and goats died of the	e disease in the last 1	2 months?		
	<u> </u>			
What is the second most important sh	eep and goat disease	you have experienced	in the last 12 moths?	
None	Rinderpest		Pulpy kidney	
Mange	Anthrax		Brucellosis	
Tuberculosis	Other			
Specify the name of the small ruminar	nt disease			
What is the third most important shee	p and goat disease y	ou have experienced ir	n the last 12 moths?	
None	Rinderpest		Pulpy kidney	
Mange	Anthrax	\bigcirc	Brucellosis	
Tuberculosis	Other			
Specify the name of the small ruminar	nt disease			
Poultry diseases				
What is the most important poultry di	sease you have expe	rienced in the last 12 m	nonths?	
None Co	oryza	Newcastle		
Fowl pox O	ther			
Specify the name of the poultry diseas	e			

Was DVS involved in the d	isease diagnostic?		
No			
Yes			
Was DVS involved in the n	nanagement of the diseas	se?	
No			
Yes			
What was the main source	e of drug to control the di	isease?	
None			
DVS			
Cocal shop			
Vet drug distributor			
How many birds died of th	າe disease in the last 12 m	nonths?	
What is the second most i	mportant poultry disease	you have experienced in the last 12	months?
None	Coryza	Newcastle	
Fowl pox	Other		
Specify the name of the p	oultry disease		
What is the third most im	portant poultry disease y	ou have experienced in the last 12 m	onths?
None	Coryza	Newcastle	
Fowl pox	Other		
Specify the name of the p	oultry disease		
Disease surveilla	nce		
Are they still disease surv	eillance at the diptank?		
No			
Yes			

Are you still using the green card?		
No		
Yes		
Food sources		
Most important food sources		
1st choice		
Own production Barter Purchase from cash transfer	Cash purchase from income Remittances	Casual labour for food Food aid
2nd shaire		
2nd choice		
Own production	Cash purchase from income	Casual labour for food
Barter	Remittances	Food aid
Purchase from cash transfer		
3rd choice		
Own production	Cash purchase from income	Casual labour for food
Barter	Remittances	Food aid
Purchase from cash transfer		
Income sources Most important income sources		
1st choice		
Crop sales	Livestock sales	Casual labour
Remittances	Salary or wages	Smallscale mining
Artisan	Trade	Pension
2nd choice		
Crop sales	Livestock sales	Casual labour
Remittances	Salary or wages	Smallscale mining
Artisan	Trade	Pension

3rd choice				
Crop sales	\bigcirc	Livestock sales		Casual labour
Remittances	\circ	Salary or wages	\circ	Smallscale mining
Artisan		Trade		Pension
Crop market channels Most important crop market channels				
1st choice				
None		Farm gate		Village market
Local collection point		Local warehouse		Local business centre
GMB		Regional town		Other
Specify this other crop market chann	el			
2nd choice				
None		Farm gate		Village market
Local collection point		Local warehouse		Local business centre
GMB	\bigcirc	Regional town		Other
Specify this other crop market chann	el			
3rd choice				
None		Farm gate		Village market
Local collection point		Local warehouse		Local business centre
GMB	\bigcirc	Regional town		Other
Specify this other crop market chann	el			
Livestock market channe Most important livestock market channel				

1st choice				
None	\bigcirc	Farm gate		Village market
Local sale pen	Ŏ	Local collection point	Ŏ	Local business centre
Local dip tank		Regional auction		Regional town
Other				
Specify this other livestock market cha	nnel			
2nd choice				
None	\bigcirc	Farm gate		Village market
Local sale pen		Local collection point		Local business centre
Local dip tank	\bigcirc	Regional auction		Regional town
Other				
Specify this other livestock market cha	nnel			
3rd choice				
None	\bigcirc	Farm gate		Village market
Local sale pen	\bigcirc	Local collection point		Local business centre
Local dip tank	\bigcirc	Regional auction	\bigcirc	Regional town
Other				
Specify this other livestock market cha	nnel			
24 hour animal-based food Were the following food items consume by the household in the last 24 hours:	_	oup consumption		Yes
Organ meat		\bigcirc		
Flesh meat		\bigcirc		\bigcirc
Eggs		\bigcirc		
Fish and seafood		\bigcirc		\bigcirc
Milk and milk products				

7 day animal-based food group consumption

Number of days the following food items were consumed by the household: **Organ** meat 2 3 7 0 6 Flesh meat 2 5 3 6 **Eggs** 2 3 4 5 6 Fish and seafood 2 0 3 Milk and milk products 0 1 2 3 4 5 6 Disruption due to COVID-19 in 2019-20 Most important disruption due to COVID-19 in the past season (2019-20) 1st choice None Lack of labour for weeding Lack of labour for harvesting Disruption of sales of crop products Lack of labour for herding Disruption of other income generating activities Disruption of sale of livestock products 2nd choice Lack of labour for weeding Lack of labour for harvesting None

Disruption of sales of crop products

Disruption of other income generating activities

Disruption of sale of livestock products

Lack of labour for herding

3rd ch	pice				
	None	Lack of labour for weeding	Lack of labour for harvesting		
\bigcirc	Lack of labour for herding	Disruption of sales of crop product	0		
\bigcirc	Disruption of sale of livestock products				
			0 0		
Disr Most i	uption due to COVID-19 in mportant disruption due to COVID-19 e.	n 2020-21 so far xpected in the upcoming season (202	0-21)		
1st cho	pice				
	None	Lack of seed on the market	Lack of fertilizer on the market		
\bigcirc	High seed cost	High fertilizer cost			
\bigcirc	Lack of labour for crop establishment	Lack of labour for weeding			
\bigcirc	Lack of labour for herding	Lack of labour for harvesting			
\bigcirc	Disruption of sales of crop products	Disruption of sale of livesto	ck products		
\bigcirc	Disruption of other income generating	activities			
2nd ch	oice				
	None	Lack of seed on the market	Lack of fertilizer on the market		
	High seed cost	High fertilizer cost			
	Lack of labour for crop establishment	Lack of labour for weeding			
	Lack of labour for herding	Lack of labour for harvesting			
	Disruption of sales of crop products Disruption of sale of livestock products				
	Disruption of other income generating activities				
3rd ch	oice				
	None	Lack of seed on the market	Lack of fertilizer on the market		
	High seed cost	High fertilizer cost			
Ō	Lack of labour for crop establishment	Lack of labour for weeding			
	Lack of labour for herding	Lack of labour for harvesting			
	Disruption of sales of crop products	Disruption of sale of livesto	ck products		
	Disruption of other income generating	activities			