

Questionnaire number: |__|__|__|__|__|__|

Field Number: |__|

Plot number: |__| of |__|

PLOT OR INPUT/OUTPUT QUESTIONNAIRE – ENDLINE SURVEY

Fill in one copy for each (cultivated) plot during the 2017-18 rainy season. Definition of plot: one continuous area of land on which a certain cropping pattern is repeated. Proceed field by field. And within field: plot by plot.

1. Field name		2. Field Number	
2A. Who made the input decisions on this plot? [List IDs in order of importance]			
2B. Who worked on this plot? [List IDs in order of importance]			
3. Plot number		4. Cultivated area	AREA UNIT CODE
5. What is the cropping system? (refer to drawings in the manual) 1 = Sole Cropping 2 = Row Intercropping 3 = Strip Intercropping		6. Is the plot irrigated in 14-15 rainy season? 1 = yes; 2 = No	
7. List the crops cultivated (use the crop codes below)	Crop 1	Crop 2	Crop 3
	Crop 4	Crop 5	
8. Estimate the crop area of each crop in percentage			
<i>CHECK WHETHER THE TOTAL ADDS UP TO 100 %</i>			
8B. How many seeds per planting station did you use?			

CROP CODES	
LOCAL MAIZE	1
COMPOSITE/OPV MAIZE...2	
HYBRID MAIZE.	3
CASSAVA	4
SWEET POTATO	5
IRISH POTATO	6
GROUNDNUT	7
GROUND BEAN / NZAMA...8	
RICE	9
FINGER MILLET/ MAWERE	10
SORGHUM.	11
PEARL MILLET / MCHEWERE.	12

BEANS	13
SOY BEAN	14
PIGEONPEA	15
BURLEY TOBACCO...16	
TOBACCO-OTHER. ....17	
COTTON.	18
SUGAR CANE...19	
CABBAGE	20
TANAPOSI	21
NKHWANI	22
THERERE/OKRA.....23	
TOMATO	24
ONION	25
PEAS.	26
OTHER (SPEC.)27	

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Enumerator instructions: Go over these various field operations, starting from land preparations to harvesting. For each activity, note down the inputs use, including inputs which were not purchased on the market. For inputs not purchased on the market, leave the wages/price column blank. If a child provides labor, place him/her under labor as well. If inputs pertain to one crop only – indicate this carefully as requested.

9. How much labor did you use to prepare the land last season (2017/18 rainy season)?

	Amount of labor used and wages paid				Total Wages in Kwacha (<i>in-kind convert to MK</i>)
	Family		Hired		
	persons	days/(half days=0.5)	persons	days/(half days=0.5)	
Labor					
Bullocks					
Tractor					

10. Did you use any of the following techniques on this plot **during land preparation** last rainy season (2017/18)? List the number/amount, if applicable:

	Yes=1 No=2	Number		Yes=1 No=2	Number		Yes=1 No=2		Yes=1 No=2	Amount	Unit
Grass strips			Pits			No Tillage		Application of animal manure			
Ridges			Water catchments (bunds, trenches)			Tillage by hand/hoe		Application of crop residuals			
Marker ridges			Drainage channels			Ploughing with animals		Application of other biomass:			
Box ridges			Plant permanent trees			Ploughing by tractor		specify:			

UNIT CODES
 1 = 20 L PAIL
 2 = 50 KG BAG
 3 = OXCART
 4 = WHEEL BARROW
 5 = OTHER (SPECIFY)

11. When did you sow each crop last season (2017/18 season)? (see coding for week and month below)

In Week / Month	Crop 1		Crop 2		Crop 3		Crop 4		Crop 5	
	Week	Month	Week	Month	Week	Month	Week	Month	Week	Month
First planting										
If replanting/re-sowing/supply indicate the second date										

CODES FOR WEEK
 1 = FIRST
 2 = SECOND
 3 = THIRD
 4 = FOURTH

CODES FOR MONTH
 1 = JAN 5 = MAY 9 = SEP
 2 = FEB 6 = JUN 10 = OCT
 3 = MAR 7 = JUL 11 = NOV
 4 = APR 8 = AUG 12 = DEC

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12. How much labor did you use for sowing last season (2017/18 rainy season)?

	Week	Month	CROP CODE (if ALL, enter "30")	What kind? 1 = LABOUR 2 = MACHINES 3 = OTHER (SP)	Labor use				Total Wages in Kwacha (<i>in-kind convert to MK</i>)
					Family		Hired		
					persons	days/(half days=0.5)	persons	days/(half days=0.5)	
Labor for planting/sowing									
Use one box for each time you sow. E.g. if you sow on 10-11 November, and then again on 20-21 November, take two boxes. Indicate the dates (W/M) on the dotted line									

13. What did the seeds cost last season (2017/18)? (Include seed treatments, such as inoculation, if any were used)

Which kind? 1 = Seed 2 = Seed Treatment (specify)	Crop code	Hybrid/improved seed? 1 = yes; 2 = No	Inputs		
			Quantity used	Units (USE CODES)	Total cost in Kwacha

UNIT CODE FOR SEED	
KILOGRAM	..... 1
2 KG BAG	..... 2
3 KG BAG	..... 3
5 KG BAG	..... 4
8 KG BAG	..... 5
10 KG BAG	..... 6
25 KG BAG	..... 7
50 KG BAG	..... 8
TON S	..... 9
LITRES	..... 10
MILILITRES	..... 11
PIECES	..... 12
OTHER (SP)	..... 13

14. When did you weed, how much labor did it take, and did you use any form of chemical to control pests last season (2017/18)?

	Which kind of labor? 1 = LABOUR 2 = SPRAYER / DUSTER 3 = OTHER (SP)	Labor use				Total wages in Kwacha (<i>in-kind convert to MK</i>)	Other Inputs			
		Family		Hired			Type of input	Quantity	Unit Code	Total cost in Kwacha
		persons	days/(half days=0.5)	persons	days/(half days=0.5)					
First weeding						Pesticide				
						Biopesticide				
						Herbicide				
						Fungicide				
Second weeding (bunking)						Pesticide				
						Biopesticide				
						Herbicide				
						Fungicide				

UNIT CODES	
1 = GRAMS	
2 = LITRES	
3 = KILOGRAMS	
4 = OTHER (SPECIFY)	

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15. Did you apply any organic or inorganic fertilizer (excluding the manure etc. applied during land preparation) last season (2017/18 season)? This includes animal/human manure and compost.

	Labor use					Other Inputs			
	Family		Hired		Total Wages in Kwacha (<i>in-kind</i> <i>convert to MK</i>)	Code for fertilizer type	Quantity	Unit Code	Total cost in Kwacha
	persons	days/(half days=0.5)	persons	days/(half days=0.5)					
First application									
Second application									

FERTILISER TYPE
 1 = 23:21:0+4S / CHITOWE (BASAL)
 2 = DAP
 3 = CAN
 4 = UREA (TOP DRESS)
 5 = D COMPOUND
 6 = ANIMAL MANURE
 7 = HUMAN MANURE
 8 = COMPOST
 9 = OTHER (SPECIFY)

UNIT CODE
 1 = KILOGRAM
 2 = 50 KG BAG
 3 = OTHER (SPECIFY)

16. Do you have any gliricidia, sesbania, or tephrosia trees or other shrubs planted on this plot last season (2017/18)?

Type of tree	1 = Yes 2 = No	(How many trees?)
Gliricidia		
Sesbania,		
Tephrosia		
Other Shrubs		

17. When did you harvest, and how much labor did you use last season (2017/18)?

	Week	Month	Which kind? 1 = LABOUR 2 = MACHINES 3 = OTHER (SP)	Labor use				Total Wages in Kwacha (<i>in-kind</i> <i>convert to MK</i>)
				Family		Hired		
				persons	days/(half days=0.5)	persons	days/(half days=0.5)	
Use one box for each time you harvest. E.g. if you harvest on 5 May and then again on 30 May, take two boxes. Indicate the dates (W/M) on the dotted line	_ _	_ _ _ _						
	_ _	_ _ _ _						
	_ _	_ _ _ _						
	_ _	_ _ _ _						

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Plot number: |__| of |__|

18. Did you perform any operations post-harvest or did you incur any other costs?

1 = YES
2 = NO >>19

Include threshing, burning vegetation, applying chemicals before storage	Which kind? 1 = LABOUR 2 = MACHINES 3 = OTHER (SP)	Labor use				Total Wages in Kwacha (in-kind convert to MK)	Other Inputs			
		Family		Hired			Type of chemical	Quantity	Unit Code	Total cost Kwacha
		Persons	days/(half days=0.5)	persons	days/(half days=0.5)					

UNIT CODES
1 = GRAMS
2 = LITRES
3 = KILOGRAMS
4 = OTHER (SPECIFY)

19. How much did you harvest for each crop last season (2017/18)? Take one line each time a crop was harvested

Crop Code	Amount harvested	Unit Code	Shelled/Unshelled? 1 = Shelled 2 = Unshelled -77 = Not applicable	Did you lose any crops before harvest due to pests etc.? 1 = Yes 2 = No

UNIT CODE
1 = KILOGRAM
2 = 50 KG BAG
3 = 75 KG BAG
4 = 90 KG BAG
5 = BALES
6 = 20 LITRE PAIL
7 = BASIN
8 = BASKET
9 = OXCART

20. What did you do with the crop residue? Put 1=Yes to all that apply, and 2= No on those that do not apply.

Crop Code	Fodder for animals	Incorporated/Plan to incorporate in soil this year (2018/19)	(Plan) to burn / burned	Lost	Other: specify

CODE
1 = YES
2 = NO