Serial Number	5
State	Jonglei State
Payam	Opora
Location tag	Lokri
Gender Group	Male

	Trait 1	Trait 2	Trait 3	Trait 4	Trait 5	Trait 6	Trait 7
Q1: What are the most important criteria that you look when you select your most preferred crops (select the most important 7 criteria for 10 crops max)?	High market demand	Good eating quality	High nutrient contents	Paste quality	Drought tolerant	Flood tolerant	Early maturing

	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5	Crop 6	Crop 7	Crop 8	Crop 9	Crop 10
Q2. Based on the above criteria now you select the 10 crops for preference analysis?	Maize	Sorghum	Cassava	Banana	Papaya	Mango	Yam	Groundnut	Sweet potato	Sugarcane

Q3: Make A Matrix Crop to Traits and give Ranks. 1 = very important, 7= least important. Do this for each crop. Remember that the crop name and the trait will be autofilled from the questions 1 and 2

	Preferred traits Ð	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5	Crop 6	Crop 7	Crop 8	Crop 9	Crop 10
		Maize	Sorghum	Cassava	Banana	Papaya	Mango	Yam	Groundnut	Sweet potat	ugarcan
Trait 1	High market demand	2	1	2	1	1	1	1	1	1	1
Trait 2	Good eating quality	3	2	3	2	2	2	2	2	2	2
Trait 3	High nutrients content	4	3	4	5	5	4	4	4	4	4
Trait 4	Paste/flour/ quality	5	4	1	4	4	3	3	3	3	3
Trait 5	Drought tolerance	7	5	5	7	6	6	6	5	5	5
Trait 6	Flood tolerance	6	6	7	3	7	7	5	7	6	6
Trait 7	Early maturing	1	7	6	6	3	5	7	6	7	7
	Total	28	28	28	28	28	28	28	28	28	28

Q4: Select the 5 most preferred crops form above table. (select from drop down)

Sel Crop 1	Sel Crop 2	Sel Crop 3	Sel Crop 4	Sel Crop 5
Sorghum	Maize	Cassava	Sweet potato	Groundnut

Q5. What are the common varieties grown for each above 5 crops? Select max 5 varieties per crop and Type (the crops will be autofilled in the red cells)

	Variety 1	Variety 2	Variety 3	Variety 4	Variety 5	
Sorghum	Alaange	Gaanga	Athwol			
Maize	Biinyo	Toome	Amara	Longe-5		
Cassava	Babara					
Sweet potatoes	Ajwaala					
Ground nut	Boma	Anywaa				

Q6A: Make A Matrix Variety to Traits and give Ranks. 1 = very important, 7= least important. Do this for each crop. Remember that the Variety name and the trait will be autofilled from the questions 5 and 1

Sorghum

Traits Ð	Variety 1 Alaange	Variety 2 Gaanga	Variety 3 Athwol	Variety 4	Variety 5
Good yield	1	1	1		
Drought tolerance	2	2	3		
High market demand	3	3	2		
Flood tolerance	4	4	4		
High nutrients content	5	6	5		
Good eating quality	6	5	6		
Early maturing	7	7	7		

Q6B: Make A Matrix Variety to Traits and give Ranks. 1 = very important, 7= least important. Do this for each crop. Remember that the Variety name and the trait will be autofilled from the questions 5 and 1

Maize

Traits Ð	Variety 1 Biinyo	Variety 2 Toome	Variety 3 Amara	Variety 4 Longe5	Variety 5
Good yield	2	3	1	1	
Drought tolerance	7	6	5	7	
High market demand	4	1	2	2	
Flood tolerance	1	2	3	6	
High nutrients content	3	4	4	3	
Good eating quality	5	5	6	4	
Early maturing	6	7	7	5	

Q6C: Make A Matrix Variety to Traits and give Ranks. 1 = very important, 7= least important. Do this for each crop. Remember that the Variety name and the trait will be autofilled from the questions 5 and 1

Cassava

Traits Ð	Variety 1 Babara	Variety 2	Variety 3	Variety 4	Variety 5
Good yield	2				
Drought tolerance	1				
High market demand	3				
Flood tolerance	7				
High nutrients content	4				
Good eating quality	5				
Early maturing	6				

Q6D: Make A Matrix Variety to Traits and give Ranks. 1 = very important, 7= least important. Do this for each crop. Remember that the Variety name and the trait will be autofilled from the questions 5 and 1

Sweet potatoes

Traits Ð	Variety 1 ala (Red tub	Variety 2 ala (Whi5e 5uber)	Variety 3	Variety 4	Variety 5
Good yield	2	1			
Drought tolerance	3	2			
High market demand	4	3			
Flood tolerance	6	5			
High nutrients content	5	4			
Good eating quality	7	6			
Early maturing	1	7			

Q6D: Make A Matrix Variety to Traits and give Ranks. 1 = very important, 7= least important. Do this for each crop. Remember that the Variety name and the trait will be autofilled from the questions 5 and 1

Groundnut

Traits Ð	Variety 1 Boma	Variety 2 Anywaa	Variety 3 0	Variety 4 0	Variety 5 0
Good yield	2	1			
Drought tolerance	3	2			
High market demand	4	3			
Flood tolerance	7	6			
High nutrients content	5	4			
Good eating quality	1	5			
Early maturing	6	7			

Serial Number	4
State	Jonglei State
Payam	Nyandit
Location tag	Meer Boma
Gender Group	Female

	Trait 1	Trait 2	Trait 3	Trait 4	Trait 5	Trait 6	Trait 7
Q1: What are the most important criteria that you look when you select your most preferred crops (select the most important 7 criteria for 10 crops max)?	Good yield	Drought tolerant	High market demand	Flood tolerant	High nutrient contents	Good eating quality	Early maturing

	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5	Crop 6	Crop 7	Crop 8	Crop 9	Crop 10
Q2. Based on the above criteria now you select the 10 crops for preference analysis?	Maize	Pumpkin	Okra	Sugarcane	Sukumawiki	Common beans	Tea	Mango	Jute mallow	Cowpea

Q3: Make A Matrix Crop to Traits and give Ranks. 1 = very important, 7= least important. Do this for each crop. Remember that the crop name and the trait will be autofilled from the questions 1 and 2

	Preferred traits Ð	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5	Crop 6	Crop 7	Crop 8	Crop 9	Crop 10
		Maize	Pumpkin	Okra	Sugarcane	Sukumawiki	ommon bea	Tea	Mango	ute ma.lo	Cowpea
Trait 1	Good yield	1	2	4	4	1	3	2	1	4	1
Trait 2	Drought tolerance	4	6	6	2	7	7	7	2	7	6
Trait 3	High market demand	2	1	3	5	3	1	5	4	1	3
Trait 4	Flood tolerance	7	5	7	3	6	6	6	6	6	7
Trait 5	High nutrients content	6	4	5	1	5	4	4	3	2	1
Trait 6	Good eating quality	3	3	2	6	2	2	3	5	3	3
Trait 7	Early maturing	5	7	1	7	4	5	1	7	5	4
	Total										

Q4: Select the 5 most preferred crops form above table. (select from drop down)

Sel Crop 1	Sel Crop 2	Sel Crop 3	Sel Crop 4	Sel Crop 5
Maize	Pumpkin	Okra	Moringa	Sukuma wiki

Q5. What are the common varieties grown for each above 5 crops? Select max 5 varieties per crop and Type (the crops will be autofilled in the red cells)

	Variety 1	Variety 2	Variety 3	Variety 4	Variety 5	
Maize	Yellow corn	Longe-5	Multi-coloured kernel			
Pumpkin	Kulog Nuer	Kulong UN				
Okra	Pusa sawani	local variety				
Tobacco	Tap					
Sakuma wiki	Collard					

Q6A: Make A Matrix Variety to Traits and give Ranks. 1 = very important, 7= least important. Do this for each crop. Remember that the Variety name and the trait will be autofilled from the questions 5 and 1

Maize

	Variety 1	Variety 2	Variety 3	Variety 4	Variety 5
Traits Ð	low Corn (Tu	Longe-5	Mixed kernal		
Good yield	1	2	3		
Drought tolerance	7	6	6		
High market demand	2	3	4		
Flood tolerance	6	7	7		
High nutrients content	3	5	5		
Good eating quality	4	1	2		
Early maturing	5	4	1		

Q6B: Make A Matrix Variety to Traits and give Ranks. 1 = very important, 7= least important. Do this for each crop. Remember that the Variety name and the trait will be autofilled from the questions 5 and 1

Pumpkin

	Variety 1	Variety 2	Variety 3	Variety 4	Variety 5
Traits Ð	Kulog Nuer	Kulog UN			
Good yield	2	1			
Drought tolerance	6	7			
High market demand	3	5			
Flood tolerance	5	6			
High nutrients content	4	3			
Good eating quality	1	2			
Early maturing	7	4			

Q6C: Make A Matrix Variety to Traits and give Ranks. 1 = very important, 7= least important. Do this for each crop. Remember that the Variety name and the trait will be autofilled from the questions 5 and 1

Okra

	Variety 1	Variety 2	Variety 3	Variety 4	Variety 5
Traits Ð	en (Pusa saw	White			
Good yield	1	1			
Drought tolerance	7	6			
High market demand	2	4			
Flood tolerance	6	7			
High nutrients content	4	3			
Good eating quality	5	2			
Early maturing	3	5			

Q6D: Make A Matrix Variety to Traits and give Ranks. 1 = very important, 7= least important. Do this for each crop. Remember that the Variety name and the trait will be autofilled from the questions 5 and 1

Sugarcane

	Variety 1	Variety 2	Variety 3	Variety 4	Variety 5
Traits Ð	Tap				
Good yield	2				
Drought tolerance	7				
High market demand	1				
Flood tolerance	6				
High nutrients content	5				
Good eating quality	4				
Early maturing	3				

Q6D: Make A Matrix Variety to Traits and give Ranks. 1 = very important, 7= least important. Do this for each crop. Remember that the Variety name and the trait will be autofilled from the questions 5 and 1

Sukuma wiki

	Variety 1	Variety 2	Variety 3	Variety 4	Variety 5
Traits Ð	Collard	0	0	0	0
Good yield	1				
Drought tolerance	7				
High market demand	3				
Flood tolerance	6				
High nutrients content	4				
Good eating quality	2				
Early maturing	5				

Serial Number	1
State	Jonglei State
Payam	Anyidi
Location tag	
Gender Group	Male

	Trait 1	Trait 2	Trait 3	Trait 4	Trait 5	Trait 6	Trait 7
Q1: What are the most important criteria that you look when you select your most preferred crops (select the most important 7 criteria for 10 crops max)?	Drought tolerant	Early maturing	Good eating quality	High market demand	Storage longevity	Suitable to local soil	Good yield

	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5	Crop 6	Crop 7	Crop 8	Crop 9	Crop 10	
Q2. Based on the above criteria now you select the 10 crops for preference analysis?	Sorghum	Maize	Groundnut	Sesame (sim sim)	Jute mallow	Cowpea	Okra	Amaranths	Tomato	Cassava	

Q3: Make A Matrix Crop to Traits and give Ranks. 1 = very important, 7= least important. Do this for each crop. Remember that the crop name and the trait will be autofilled from the questions 1 and 2

	Preferred traits Ð	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5	Crop 6	Crop 7	Crop 8	Crop 9	Crop 10	Total Ð
		Sorghum	Maize	Groundnut	same (sim si	Jute mallow	Cowpea	Okra	Amaranths	Tomato	Cassava	
Trait 1	Drought tolerant	1	7	2	3	7	7	4	7	7	3	48
Trait 2	Early maturing	7	1	5	4	2	4	2	2	3	7	37
Trait 3	Good eating quality	2	2	1	7	1	1	1	1	1	1	18
Trait 4	High market demand	3	5	3	5	3	2	7	3	2	4	37
Trait 5	Storage longevity	6	4	7	6	5	3	3	6	6	2	48
Trait 6	Suitable to local soil	4	6	6	1	4	5	5	5	4	5	45
Trait 7	Good yield	5	3	4	2	6	6	6	4	5	6	47
	Total ⇑	28	28	28	28	28	28	28	28	28	28	

Q4: Select the 5 most preferred crops form above table. (select from drop down)

Sel Crop 1	Sel Crop 2	Sel Crop 3	Sel Crop 4	Sel Crop 5
Sorghum	Groundnut	Maize	Sesame (sim	Jute mallow

Q5. What are the common varieties grown for each above 5 crops? Select max 5 varieties per crop and Type (the crops will be autofilled in the red cells) ⇑

	Variety 1	Variety 2	Variety 3	Variety 4	Variety 5	
Sorghum	Akuorchot	Beer	Luel			
Groundnut	Mateleke	Arooi (Red beauty)				
Maize	Kech (Sweet corn)	Longe 5				
Sesame (sim sim)	sesame2	Black seeded				
Jute mallow	local variety					

Q6A: Make A Matrix Variety to Traits and give Ranks. 1 = very important, 7= least important. Do this for each crop. Remember that the Variety name and the trait will be autofilled from the questions 5 and 1

Sorghum

Traits Ð	Variety 1 Akuorchot	Variety 2 Beer	Variety 3 Luel	Variety 4 0	Variety 5 0
Drought tolerant	4	4	3		
Early maturing	1	1	1		
Good eating quality	2	2	5		
High market demand	5	3	7		
Storage longevity	3	5	6		
Suitable to local soil	7	7	4		
Good yield	6	6	2		

Q6B: Make A Matrix Variety to Traits and give Ranks. 1 = very important, 7= least important. Do this for each crop. Remember that the Variety name and the trait will be autofilled from the questions 5 and 1

Groundnut

Traits Ð	Variety 1 Mateleke	Variety 2 ooi (Red beau	Variety 3 0	Variety 4 0	Variety 5 0
Drought tolerant	7	7			
Early maturing	3	2			
Good eating quality	1	1			
High market demand	4	3			
Storage longevity	6	4			
Suitable to local soil	2	6			
Good yield	5	5			

Q6C: Make A Matrix Variety to Traits and give Ranks. 1 = very important, 7= least important. Do this for each crop. Remember that the Variety name and the trait will be autofilled from the questions 5 and 1

Maize

Traits Ð	Variety 1 ch (Sweet co	Variety 2 Longe 5	Variety 3 0	Variety 4 0	Variety 5 0
Drought tolerant	4	6			
Early maturing	1	4			
Good eating quality	2	3			
High market demand	3	4			
Storage longevity	7	7			
Suitable to local soil	5	2			
Good yield	6	1			

Q6D: Make A Matrix Variety to Traits and give Ranks. 1 = very important, 7= least important. Do this for each crop. Remember that the Variety name and the trait will be autofilled from the questions 5 and 1

Sesame (sim sim)

Traits Ð	Variety 1 sesame2	Variety 2 Black seeded	Variety 3 0	Variety 4 0	Variety 5 0
Drought tolerant	1	1			
Early maturing	5	5			
Good eating quality	3	3			
High market demand	4	4			
Storage longevity	6	6			
Suitable to local soil	7	7			
Good yield	2	2			

Q6D: Make A Matrix Variety to Traits and give Ranks. 1 = very important, 7= least important. Do this for each crop. Remember that the Variety name and the trait will be autofilled from the questions 5 and 1

Jute mallow

Traits Ð	Variety 1 local variety	Variety 2 0	Variety 3 0	Variety 4 0	Variety 5 0
Drought tolerant	6				
Early maturing	3				
Good eating quality	1				
High market demand	2				
Storage longevity	7				
Suitable to local soil	5				
Good yield	4				

Serial Number	1
State	Jonglei State
Payam	Anyidi
Location tag	
Gender Group	Female Group

	Trait 1	Trait 2	Trait 3	Trait 4	Trait 5	Trait 6	Trait 7
Q1: What are the most important criteria that you look when you select your most preferred crops (select the most important 7 criteria for 10 crops max)?	Early maturing	High market demand	Drought tolerant	Flood tolerant	Good eating quality	Good processing quality (chips and Naotarar)	Suitable to local soil

	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5	Crop 6	Crop 7	Crop 8	Crop 9	Crop 10	
Q2. Based on the above criteria now you select the 10 crops for preference analysis?	Sorghum	Maize	Groundnut	Cowpea	Sesame (sim sim)	Onion	Tomato	Jute mallow	Okra	Sukuma wiki	

Q3: Make A Matrix Crop to Traits and give Ranks. 1 = very important, 7= least important. Do this for each crop. Remember that the crop name and the trait will be autofilled from the questions 1 and 2

	Preferred traits	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5	Crop 6	Crop 7	Crop 8	Crop 9	Crop 10	Total
		Sorghum	Maize	Groundnut	Cowpea	same (sim si	Onion	Tomato	Jute mallow	Okra	ukumawi	
Trait 1	Early maturing	4	2	2	1	1	5	4	2	3	1	25
Trait 2	High market demand	7	5	4	3	2	2	2	3	4	2	34
Trait 3	Drought tolerant	1	7	6	6	6	6	7	7	6	7	59
Trait 4	Flood tolerant	2	6	7	7	7	7	5	5	7	6	25
Trait 5	Good eating quality	3	1	1	2	5	1	1	4	2	5	25
Trait 6	Good processing quality (chips and Naotarar)	6	4	3	4	3	3	6	6	5	3	43
Trait 7	Suitable to local soil	5	3	5	5	4	4	3	1	1	4	35
	Total	28	28	28	28	28	28	28	28	28	28	

Q4: Select the 5 most preferred crops form above table. (select from drop down)

Sel Crop 1	Sel Crop 2	Sel Crop 3	Sel Crop 4	Sel Crop 5
Sorghum	Groundnut	Okra	Maize	Cowpea

Q5. What are the common varieties grown for each above 5 crops? Select max 5 varieties per crop and Type (the crops will be autofilled in the red cells)

	Variety 1	Variety 2	Variety 3	Variety 4	Variety 5	
Sorghum	Akuoracot	Beer	Agongkou			
Groundnut	Mateleke	Arooi				
Okra	Pusa sawani	Clemson spineless				
Maize	Kech	Yari				
Cowpea	Ajoh	Banataro	Areng	Aluel		

Q6A: Make A Matrix Variety to Traits and give Ranks. 1 = very important, 7= least important. Do this for each crop. Remember that the Variety name and the trait will be autofilled from the questions 5 and 1

Sorghum

	Variety 1	Variety 2	Variety 3	Variety 4	Variety 5
Traits	Akuoracot	Beer	Agongkou	0	0
Early maturing	2	2	3		
High market demand	4	3	4		
Drought tolerant	1	1	3		
Flood tolerant	7	5	5		
Good eating quality	3	2	6		
Good processing quality (chips and Naotarar)	6	6	1		
Suitable to local soil	5	5	3		

Q6B: Make A Matrix Variety to Traits and give Ranks. 1 = very important, 7= least important. Do this for each crop. Remember that the Variety name and the trait will be autofilled from the questions 5 and 1

Groundnut

	Variety 1	Variety 2	Variety 3	Variety 4	Variety 5
Traits	Mateleke	Arooi	0	0	0
Early maturing	2	3			
High market demand	3	4			
Drought tolerant	7	7			
Flood tolerant	6	6			
Good eating quality	1	1			
Good processing quality (chips and Naotarar)	4	5			
Suitable to local soil	5	2			
	SUM(F55:F6	UM(G55:G61)			

Q6C: Make A Matrix Variety to Traits and give Ranks. 1 = very important, 7= least important. Do this for each crop. Remember that the Variety name and the trait will be autofilled from the questions 5 and 1

Okra

	Variety 1	Variety 2	Variety 3	Variety 4	Variety 5
Traits	Pusa sawani	mson spinele	0	0	0
Early maturing	3	2			
High market demand	4	4			
Drought tolerant	6	7			
Flood tolerant	7	5			
Good eating quality	2	3			
Good processing quality (chips and Naotarar)	5	6			
Suitable to local soil	1	1			

Q6D: Make A Matrix Variety to Traits and give Ranks. 1 = very important, 7= least important. Do this for each crop. Remember that the Variety name and the trait will be autofilled from the questions 5 and 1

Maize

	Variety 1	Variety 2	Variety 3	Variety 4	Variety 5
Traits	Kech	Yari	0	0	0
Early maturing	2	1			
High market demand	4	5			
Drought tolerant	3	4			
Flood tolerant	6	7			
Good eating quality	5	3			
Good processing quality (chips and Naotarar)	7	6			
Suitable to local soil	1	2			

Q6D: Make A Matrix Variety to Traits and give Ranks. 1 = very important, 7= least important. Do this for each crop. Remember that the Variety name and the trait will be autofilled from the questions 5 and 1

Cowpea

	Variety 1	Variety 2	Variety 3	Variety 4	Variety 5
Traits	Ajoh	Banataro	Areng	Aluel	0
Early maturing	1	1	3	2	
High market demand	2	3	2	3	
Drought tolerant	5	5	4	6	
Flood tolerant	6	6	6	5	
Good eating quality	3	2	1	1	
Good processing quality (chips and Naotarar)	7	7	7	7	
Suitable to local soil	4	4	5	4	

Serial Number	1
State	Jonglei State
Payam	Anyidi
Location tag	
Gender Group	Male

	Trait 1	Trait 2	Trait 3	Trait 4	Trait 5	Trait 6	Trait 7
Q1: What are the most important criteria that you look when you select your most preferred crops (select the most important 7 criteria for 10 crops max)?	Good yield	Early maturing	High market demand	Drought tolerant	Disease and pest resistance	Less damage by birds	Good eating quality

	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5	Crop 6	Crop 7	Crop 8	Crop 9	Crop 10
Q2. Based on the above criteria now you select the 10 crops for preference analysis?	Sorghum	Groundnut	Maize	Okra	Cowpea	Jute mallow	Tomato	Onion	Rigila	Sesame (sim sim)

		Preferred traits Ð	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5	Crop 6	Crop 7	Crop 8	Crop 9	Crop 10
Q3: Make A Matrix Crop to Traits and give Ranks. 1 = very important, 7= least important. Do this for each crop. Remember that the crop name and the trait will be autofilled from the questions 1 and 2			Sorghum	Groundnut	Maize	Okra	Cowpea	Jute mallow	Tomato	Onion	Rigila	me (sim
	Trait 1	Good yield	1	5	3	6	4	6	3	5	6	2
	Trait 2	Early maturing	4	3	4	4	2	2	4	3	2	1
	Trait 3	High market demand	3	2	2	3	3	3	1	1	3	5
	Trait 4	Drought tolerant	5	6	7	5	7	5	6	6	7	7
	Trait 5	Disease and pest resistance	7	7	5	6	5	4	7	7	4	6
	Trait 6	Less damage by birds	6	4	6	1	6	1	5	4	1	4
	Trait 7	Good eating quality	2	1	1	2	1	3	2	2	5	3
		Total Ť										

	Sel Crop 1	Sel Crop 2	Sel Crop 3	Sel Crop 4	Sel Crop 5
Q4: Select the 5 most preferred crops form above table. (select from drop down)	Sorghum	Groundnut	Okra	Maize	Tomato

	Variety 1	Variety 2	Variety 3	Variety 4	Variety 5	
Sorghum	Akourachot	Beer	Dhet			
Groundnut	Mr. Lakes	Redbeauty	Lokoya			
Okra	Clemson spinel	Pusa sawani				
Maize	Longe 5	Yellow corn				
Tomato	Money Maker	Cal J				

Q5. What are the common varieties grown for each above 5 crops? Select max 5 varieties per crop and Type (the crops will be autofilled in the red cells) Ť

Q6A: Make A Matrix Variety to Traits and give Ranks. 1 = very important, 7= least important. Do this for each crop. Remember that the Variety name and the trait will be autofilled from the questions 5 and 1

Sorghum

Traits Ð	Variety 1 Akourachot	Variety 2 Beer	Variety 3 Dhet	Variety 4 0	Variety 5 0
Good yield					
Early maturing					
High market demand					
Drought tolerant					
Disease and pest resistance					
Less damage by birds					
Good eating quality					

Q6B: Make A Matrix Variety to Traits and give Ranks. 1 = very important, 7= least important. Do this for each crop. Remember that the Variety name and the trait will be autofilled from the questions 5 and 1

Groundnut

Traits Ð	Variety 1 Mr. Lakes	Variety 2 Redbeauty	Variety 3 Lokoya	Variety 4 0	Variety 5 0
Good yield	1	4	2		
Early maturing	2	1	4		
High market d	3	5	3		
Drought tolera	6	7	6		
Disease and pe	7	6	7		
Less damage b	4	2	5		
Good eating qu	1	3	1		

Q6C: Make A Matrix Variety to Traits and give Ranks. 1 = very important, 7= least important. Do this for each crop. Remember that the Variety name and the trait will be autofilled from the questions 5 and 1

Okra

Traits Ð	Variety 1 mson spinele	Variety 2 Pusa sawani	Variety 3 0	Variety 4 0	Variety 5 0
Good yield	5	4			
Early maturing	4	1			
High market d	2	2			
Drought tolera	6	5			
Disease and pe	7	7			
Less damage b	3	3			
Good eating qu	1	2			

Q6D: Make A Matrix Variety to Traits and give Ranks. 1 = very important, 7= least important. Do this for each crop. Remember that the Variety name and the trait will be autofilled from the questions 5 and 1

Maize

Traits Ð	Variety 1 Longe 5	Variety 2 Yellow corn	Variety 3 0	Variety 4 0	Variety 5 0
Good yield	4	6			
Early maturing	3	3			
High market d	2	1			
Drought tolera	7	7			
Disease and pe	6	4			
Less damage b	5	5			
Good eating qu	1	1			

Q6D: Make A Matrix Variety to Traits and give Ranks. 1 = very important, 7= least important. Do this for each crop. Remember that the Variety name and the trait will be autofilled from the questions 5 and 1

Tomato

Traits Ð	Variety 1 Money Maker	Variety 2 Cal J	Variety 3 0	Variety 4 0	Variety 5 0
Good yield	5	4			
Early maturing	4	5			
High market d	1	1			
Drought tolera	6	6			
Disease and pe	7	7			
Less damage b	3	3			
Good eating qu	2	2			

Serial Number	2
State	Jonglei State
Payam	Kolynang
Location tag	
Gender Group	Female

	Trait 1	Trait 2	Trait 3	Trait 4	Trait 5	Trait 6	Trait 7
Q1: What are the most important criteria that you look when you select your most preferred crops (select the most important 7 criteria for 10 crops max)?	Good eating quality	Suitable to local soil	Less damage by birds	Brewing taste	Early maturing	High market demand	Good yield

	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5	Crop 6	Crop 7	Crop 8	Crop 9	Crop 10
Q2. Based on the above criteria now you select the 10 crops for preference analysis?	Sorghum	Groundnut	Maize	Sesame (sim sim)	Pearl millet	Cowpea	Okra	Onion	Jute mallow	Sukuma wiki

Q3: Make A Matrix Crop to Traits and give Ranks. 1 = very important, 7= least important. Do this for each crop. Remember that the crop name and the trait will be autofilled from the questions 1 and 2

	Preferred traits Ð	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5	Crop 6	Crop 7	Crop 8	Crop 9	Crop 10	Total Ð
		Sorghum	Groundnut	Maize	same (sim si	Pearl millet	Cowpea	Okra	Onion	ute mallou	kumawi	
Trait 1	Good eating quality	1	1	1	7	1	1	1	1	1	1	16
Trait 2	Suitable to local soil	2	2	3	2	4	2	5	3	5	5	33
Trait 3	Less damage by birds	3	3	7	6	6	6	6	6	7	7	57
Trait 4	Brewing taste	6	7	6	1	7	7	7	7	6	6	60
Trait 5	Early maturing	4	6	4	3	5	3	4	5	3	3	40
Trait 6	High market demand	5	4	2	5	3	4	2	2	2	2	31
Trait 7	Good yield	7	5	5	4	2	5	3	4	4	4	43
	Total ⇑	28	28	28	28	28	28	28	28	28	28	

Q4: Select the 5 most preferred crops form above table. (select from drop down)

Sel Crop 1	Sel Crop 2	Sel Crop 3	Sel Crop 4	Sel Crop 5
Sorghum	Groundnut	Maize	Sesame (sim	Pearl millet

Q5. What are the common varieties grown for each above 5 crops? Select max 5 varieties per crop and Type (the crops will be autofilled in the red cells) ⇑

	Variety 1	Variety 2	Variety 3	Variety 4	Variety 5	
Sorghum	Akuorachot	Beer	Challa	Maniok		
Groundnut	Mateleke	Maualuga Tei	Arooi			
Maize	Ketch (Sweet c	Longe5 (Error)				
Sesame (sim sim)	Black seeded (	white (Nyuom	Error)			
Pearl millet	Awuou					

Q6A: Make A Matrix Variety to Traits and give Ranks. 1 = very important, 7= least important. Do this for each crop. Remember that the Variety name and the trait will be autofilled from the questions 5 and 1

Sorghum

Traits Ð	Variety 1 Akuorachot	Variety 2 Beer	Variety 3 Challa	Variety 4 Maniok	Variety 5 0
Good eating qu	1	1	1	1	
Suitable to loc	5	5	4	5	
Less damage b	6	6	6	6	
Brewing taste	7	7	3	7	
Early maturing	3	3	7	2	
High market d	2	2	5	3	
Good yield	4	4	4	4	

Q6B: Make A Matrix Variety to Traits and give Ranks. 1 = very important, 7= least important. Do this for each crop. Remember that the Variety name and the trait will be autofilled from the questions 5 and 1

Groundnut

Traits Ð	Variety 1 Mateleke	Variety 2 Malualteny	Variety 3 Arooi	Variety 4 0	Variety 5 0
Good eating qu	1	1	1		
Suitable to loc	4	6	6		
Less damage b	6	7	2		
Brewing taste	7	2	3		
Early maturing	3	4	7		
High market d	2	3	4		
Good yield	5	5	5		

Q6C: Make A Matrix Variety to Traits and give Ranks. 1 = very important, 7= least important. Do this for each crop. Remember that the Variety name and the trait will be autofilled from the questions 5 and 1

Maize

Traits Ð	Variety 1 tch (Sweet co	Variety 2 Longe5 (Error	Variety 3 0	Variety 4 0	Variety 5 0
Good eating qu	1	2			
Suitable to loc	5	6			
Less damage b	7	7			
Brewing taste	6	5			
Early maturing	4	4			
High market d	2	1			
Good yield	3	3			

Q6D: Make A Matrix Variety to Traits and give Ranks. 1 = very important, 7= least important. Do this for each crop. Remember that the Variety name and the trait will be autofilled from the questions 5 and 1

Sesame (sim sim)

Traits Ð	Variety 1 seeded (Nyuo	Variety 2 e (Nyuom Er	Variety 3 0	Variety 4 0	Variety 5 0
Good eating qu	1	2			
Suitable to loc	3	5			
Less damage b	7	6			
Brewing taste	4	7			
Early maturing	6	4			
High market d	2	1			
Good yield	5	3			

Q6D: Make A Matrix Variety to Traits and give Ranks. 1 = very important, 7= least important. Do this for each crop. Remember that the Variety name and the trait will be autofilled from the questions 5 and 1

Pearl millet

Traits Ð	Variety 1 Awuou	Variety 2 0	Variety 3 0	Variety 4 0	Variety 5 0
Good eating qu	1				
Suitable to loc	2				
Less damage b	6				
Brewing taste	7				
Early maturing	5				
High market d	3				
Good yield	4				

Serial Number	2
State	Jonglei State
Payam	Kolyang
Location tag	
Gender Group	Female

	Trait 1	Trait 2	Trait 3	Trait 4	Trait 5	Trait 6	Trait 7
Q1: What are the most important criteria that you look when you select your most preferred crops (select the most important 7 criteria for 10 crops max)?	Good eating quality	High nutrient contents	Early maturing	High market demand	Drought tolerant	Flood tolerant	Suitable to local soil

	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5	Crop 6	Crop 7	Crop 8	Crop 9	Crop 10
Q2. Based on the above criteria now you select the 10 crops for preference analysis?	Sorghum	Groundnut	Maize	Sesame (sim sim)	Pearl millet	Cowpea	Onion	Okra	Jute mallow	Sukuma wiki

	Preferred traits Ð	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5	Crop 6	Crop 7	Crop 8	Crop 9	Crop 10	Total Ð
		Sorghum	Groundnut	Maize	ame (sim s	Pearl millet	Cowpea	Onion	Okra	ute mallo	kumawi	
Trait 1	Good eating quality	1	2	1	2	3	3	2	4	5	3	26
Trait 2	High nutrient contents	2	1	2	3	1	1	4	3	4	2	23
Trait 3	Early maturing	4	5	4	5	4	2	5	1	1	1	49
Trait 4	High market demand	7	3	3	1	5	4	1	2	2	5	33
Trait 5	Drought tolerant	6	7	7	6	6	6	6	5	7	6	62
Trait 6	Flood tolerant	5	6	6	7	7	7	7	7	6	7	65
Trait 7	Suitable to local soil	3	4	5	4	2	5	3	6	3	4	39
	Total	28	28	28	28	28	28	28	28	28	28	

Q3: Make A Matrix Crop to Traits and give Ranks. 1 = very important, 7= least important. Do this for each crop. Remember that the crop name and the trait will be autofilled from the questions 1 and 2

Sel Crop 1	Sel Crop 2	Sel Crop 3	Sel Crop 4	Sel Crop 5
Sorghum	Groundnut	Maize	Cowpea	Sesame (sim sim)

Q4: Select the 5 most preferred crops form above table. (select from drop down)

	Variety 1	Variety 2	Variety 3	Variety 4	Variety 5	
Sorghum	Challa	Akurachot	Beer	Lith	Agany	
Groundnut	Matelek	Aroi				
Maize	Kech	Wunga	Komlany			
Cowpea	Adangdang	Ajo	Ameer	Banadaro		
Sesame (sim sim)	Nyuomchol	Nyoumher				

Q5. What are the common varieties grown for each above 5 crops? Select max 5 varieties per crop and Type (the crops will be autofilled in the red cells)

Q6A: Make A Matrix Variety to Traits and give Ranks. 1 = very important, 7= least important. Do this for each crop. Remember that the Variety name and the trait will be autofilled from the questions 5 and 1

Sorghum

Traits Ð	Variety 1 Challa	Variety 2 Akurachot	Variety 3 Beer	Variety 4 Lith	Variety 5 Agany
Good eating quality	1	3	1	1	1
High nutrient contents	2	4	4	5	2
Early maturing	5	1	2	2	3
High market demand	4	5	3	3	4
Drought tolerant	7	7	6	6	6
Flood tolerant	6	6	7	7	7
Suitable to local soil	4	2	5	4	5

Q6B: Make A Matrix Variety to Traits and give Ranks. 1 = very important, 7= least important. Do this for each crop. Remember that the Variety name and the trait will be autofilled from the questions 5 and 1

Groundnut

Traits Ð	Variety 1 Matelek	Variety 2 Aroi	Variety 3 0	Variety 4 0	Variety 5 0
Good eating quality	1	1			
High nutrient contents	2	3			
Early maturing	3	4			
High market demand	4	4			
Drought tolerant	6	7			
Flood tolerant	7	6			
Suitable to local soil	5	5			

Q6C: Make A Matrix Variety to Traits and give Ranks. 1 = very important, 7= least important. Do this for each crop. Remember that the Variety name and the trait will be autofilled from the questions 5 and 1

Maize

Traits Ð	Variety 1 Kech	Variety 2 Wunga	Variety 3 Komlany	Variety 4 0	Variety 5 0
Good eating quality	1	2	3		
High nutrient contents	2	3	2		
Early maturing	3	1	1		
High market demand	4	4	4		
Drought tolerant	6	7	6		
Flood tolerant	7	6	7		
Suitable to local soil	5	5	5		

Q6D: Make A Matrix Variety to Traits and give Ranks. 1 = very important, 7= least important. Do this for each crop. Remember that the Variety name and the trait will be autofilled from the questions 5 and 1

Cowpea

Traits Ð	Variety 1 Adangdang	Variety 2 Ajo	Variety 3 Ameer	Variety 4 Banadaro	Variety 5 0
Good eating quality	2	1	1	1	
High nutrient contents	1	2	2	2	
Early maturing	3	3	3	3	
High market demand	5	4	4	5	
Drought tolerant	6	7	7	7	
Flood tolerant	7	6	6	6	
Suitable to local soil	4	5	5	4	

Q6D: Make A Matrix Variety to Traits and give Ranks. 1 = very important, 7= least important. Do this for each crop. Remember that the Variety name and the trait will be autofilled from the questions 5 and 1

Sesame (sim sim)

Traits Ð	Variety 1 Nyuomchol	Variety 2 Nyoumher	Variety 3 0	Variety 4 0	Variety 5 0
Good eating quality	1	1			
High nutrient contents	2	4			
Early maturing	4	5			
High market demand	3	3			
Drought tolerant	5	6			
Flood tolerant	7	7			
Suitable to local soil	3	2			