MINISTRY OF AGRICULTURE & FOOD SECURITY

AGRICULTURAL SECTOR WIDE APPROACH– SUPPORT PROJECT (ASWAp-SP)
ENDLINE QUESTIONNAIRES

NEW AEDO QUESTIONNAIRE

SECTION A: BACKGROUND INFORMATION

A01	District Name		District Number	
A02	EPA Name		EPA Number	
A03	Section Name		Section Number	
A04	Village Name		Village Number	
A05	Date of survey	*Day/month*	*I*	
A06	Name of AEDO			
A07	**ENUMERATOR CHECKPOINT**: Gender	*1=Male 2=Female*		
A08	In this EPA, how many other sections are you responsible for?	*Record number of other sections. If none, enter 0.*		
A09	How long have you worked as an AEDO?	*1 = months* *2 = years*	*Time* / *Units*	
A10	How long have you been working as an AEDO is this section?	*1 = months* *2 = years*	*Time* / *Units*	
A11	How do you usually travel within this section?	*1=walking* *2=by push bike* *3=by motorcycle* *4=by public transport* *5=other (specify)*		
A12	What is the highest level of education that you have completed?	*1= none* *2=adult literacy* *3=Standard 1-5* *4=Standard 6-8* *5=Form 1-2* *6=Form 3-4* *7= Some tertiary* *8=Tertiary qualification*		
A13	Have you worked with any NGO over the past year?	*1=yes* *2=no*		*If 2 → **Sect B***
A14	If yes, how many NGOs have you worked with?	*Enter number of NGOs*		
A15	Enter names of NGOs	*A.*	*C.*	
		B.	*D.*	

SECTION B: PIT PLANTING KNOWLEDGE

B01	Have you been trained in any conservation farming technologies?	*1=Yes* *2=No*		*If 2 → **B06***
B03		**B04**	**B05**	
	Please list all conservation farming technologies you have been trained in.	Where did you learn about this type?	When did you first learn about it?	
	Use conservation farming technology codes below	*Use information source codes below*	*Month/Year*	
a)			/	
b)			/	
c)			/	
d)			/	
e)			/	
f)			/	

Conservation Farming Technologies: *1=pit planting 2=zero/minimum tillage 3=marker ridges 4=herbicides 5=marker ridges 6=mulching 7=other (specify)*

Information Source codes: *1=MoAFS training 2=NGO 3=AEDC 4=School 5=NASFAM 6=Private sector company 7=Other (specify)*

ENUMERATOR CHECKPOINT: If pit planting is specifically mentioned in B03 skip to B07, otherwise continue to B06						
B06	Have you ever heard of pit planting?	*1=yes* *2=no*				*If 2 →* ***Sect. C***
B07	Who did you **first** learn about pit planting from? SINGLE RESPONSE ONLY	*A=MoAFS training* *B= NGO* *C= AEDC* *D=School*	*E=NASFAM* *F=Private sector company* *G=Other (specify)*			
B08	Do you grow maize yourself?	*1=yes* *2=no*				*If 2* ***→B12***
B09	Have you ever used pit planting on your own maize plots?	*1=yes* *2=no*				*If 2* ***→B11***
B10	Did you use pit planting on your own maize plots in the last 12 months?	*1=yes* *2=no*				*If 1 →* ***B12***
B11	Why not?	*1=Lacked information* *2=Lacked time* *3=Lacked materials*	*4=Don't think it's effective* *5=Not interested* *6=Other (specify)*			
B12	How do you think pit planting compares to ridge planting in terms of maize yield?	*1=yields higher with PP* *2=The same*	*3=yields lower with PP* *4=Don't know*			
B13	How do you think pit planting compares to ridge planting in terms of risk of crop failure?	*1=risk higher with PP* *2=The same*	*3=risk lower with PP* *4=Don't know*			
B14	How do you think pit planting compares to ridge planting in terms of labor requirements?	*1=more labor with PP* *2=The same*	*3=less labor with PP* *4=Don't know*			
B15	How do you think pit planting compares to ridge planting in terms of soil fertility?	*1=better soil fertility with PP* *2=The same*	*3=lower soil fertility with PP* *4=Don't know*			
B16	How do you think pit planting compares to ridge planting in terms of water conservation?	*1=PP conserves more water* *2=The same*	*3=PP conserves less water* *4=Don't know*			

ENUMERATOR CHECKPOINT: The following questions ask specifically how the AEDO recommends that farmers do pit planting.					
B17	How deep should planting pits be?	*If unknown, write DK for quantity* *UNIT CODES: 1 = centimeters 2 = metres 3 = inches 4=feet*	Quantity	Unit	
B18	How wide should planting pits be?	*If unknown, write DK for quantity* *UNIT CODES: 1 = centimeters 2 = metres 3 = inches 4=feet*	Quantity	Unit	
B19	How long should planting pits be?	*If unknown, write DK for quantity* *UNIT CODES: 1 = centimeters 2 = metres 3 = inches 4=feet*	Quantity	Unit	
B20	How many maize seeds should be planted in each pit?	*Number of seeds.*			
B21	How much manure should be applied to each pit?	*Units:* *3-=other (specify)* *1=single handful* *2=double handfuls* *If unknown write DK for quantity*	Quantity	Units	
B22	After the maize is harvested, what should be done with the crop residue?	*1= cut plants at base, remove all stems and leaves* *2=cut plants at base, leave all stems and leaves on soil* *3=cut plants at base, bury under ridges* *4=Use for fuel* *5=Use to feed HH animals* *6=Use to make compost* *7=burn* *8=other (specify_____)*			

SECTION C: COMPOST KNOWLEDGE

C01	Do you know how to make any type of compost manure?	*1=Yes* *2=No*		*If 2 →* ***Sect D***

C03		C04	C05	
	Please list all the types of compost you have learnt how to make *Use compost codes below*	How did you learn about this type? *Use information source codes below*	When did you first learn about it? *Month/Year*	
a)			/	
b)			/	
c)			/	
d)			/	
e)			/	
f)			/	

Compost codes: *1=Chinese 2=Bokashi 3=Chimato 4=pit manure 5=frame 6=liquid manure 7=changu 8=khola 9=other*

Information Source codes: *1=MoAFS training 2=NGO 3=AEDC 4=School 5=NASFAM 6=Private sector company 7=Other (specify)*

ENUMERATOR CHECKPOINT: If Chinese compost is not specifically mentioned in C03 continue to C06, otherwise skip to C08

C06	Have you ever been trained in Chinese composting?	*1=Yes 2=No*		*If 2 →* ***Sect D***
C07	Who did you first learn about Chinese composting from? MULTIPLE RESPONSES POSSIBLE	*A=MoAFS training* *B= NGO* *C= AEDC* *D=School* *E=NASFAM* *F=Private sector company* *G=Other (specify)*		
C08	Did you produce any type of compost yourself for the 2010/11 season?	*1=yes 2=no*		*If 2 →* ***C10***
C09	What type(s) did you produce?	*1=Chinese 4=pit manure 7=changu* *2=Bokashi 5=frame 8 = khola* *3=Chimato 6=liquid manure 9=other*		

ENUMERATOR CHECKPOINT: The following questions ask specifically how the AEDO recommends that farmers make Chinese compost.

C10	What materials **should** be used for Chinese compost? MULTIPLE RESPONSES POSSIBLE	*A=maize stalks* *B=groundnut crop residue* *C=other legume* *D=cow or goat manure* *E= chicken manure* *F=sticks or twigs* *G=grass* *H=weeds* *I=water* *J=ash* *K=Maize husks* *L=soil* *M=other _____*		
C11	How much time **should** Chinese compost be let mature?	*1=less than 1 month* *2=1 month* *3=6 weeks* *4=2 months* *5=3 months* *6=4+ months*		
C12	How **should** Chinese compost be kept while it is maturing?	*1=in a pit* *2=in an uncovered heap* *3=in a covered heap* *4=other (specify)*		
C13	**Should** it be kept in the sun or in the shade?	*1=Sun 2=Shade*		
C14	**Should** it be kept moist or dry?	*1=moist 2=dry*		
C15	When **should** Chinese compost be applied to the field? MULTIPLE RESPONSES POSSIBLE	*A=3+ months before planting* *B=2 months before planting* *C=1 month before planting* *D=1-3 weeks before planting* *E=at the time of planting* *F=after planting*		

SECTION D: FOCUS VILLAGE ACTIVITIES

D01	How far away is [*village*] from where you live?	*Record kilometers*		
D02	When did you last visit [*village*]?	*Day / Month*	/	
D03	About how many times did you visit [*village*] during the last growing season (2010/11)?	*Number of times*		
D04	Did you visit this [*village]* more, less, or about the same amount of times you visited other villages in this section during the last 12 months?	*1 = More* *2 = About the same* *3= Less*		
D05	How many activities have you conducted in [*village]* in the last 12 months?	*Enter number.*		*If 0 →* ***Sect E***

D06		D07	D08	D09		
	Please list each type of activity	About what technology?	What month was the training conducted in?	How many farmers were involved?		
	Activity codes below.	*Technology codes below.*	*Use month codes (1-12)*	*Men*	*Women*	
1)						
2)						
3)						
4)						
5)						
	Activity codes *1=demonstration plots* *2=group trainings/meetings* *3=farm visits* *4=other (specify)*	***Technologies:*** *A=Sasakawa* *B=pit planting* *C=manure making* *D=marker ridges* *E=intercropping* *F=mulching* *G=crop rotation*	*H=irrigation* *I=herbicides* *J=hybrid seeds* *K=reduced / no tillage* *L= usage of new, recommended fertilizers* *M=crop residue retention* *N=early land preparation*	*O= goat farming* *P= agroforestry* *Q= afforestation* *R= sediment/runoff traps* *S= energy saving technologies* *T=Other (specify)*		

ENUMERATOR CHECKPOINT: If pit planting was specifically mentioned in D07 skip to D14, otherwise continue to D10.

D10	Have you conducted any activities in [*village]* related to pit planting in the last 12 months?	*1 = Yes* *2 = No*			*If 2 →* ***D14***
D11	What type of activities have you led?	*1=demonstration plots* *2=group trainings/meetings* *3=farm visits* *4=other (specify)*			
D12	What month was the activity conducted in?	Use month codes (1 – 12)			
D13	How many farmers were involved in the activity?	*Number*	*Men*	*Women*	
D14	Do any farm families in [*village*] know about pit planting? Approximately what proportion?	*1=All* *2=Most (about 75%)* *3=Half (about 50%)* *4=Some (about 25%)* *5=None*			
D15	Did any farm families in [*village*] practice pit planting on any plot during the 2010/2011 growing season? Approximately what proportion?	*1=All* *2=Most (about 75%)* *3=Half (about 50%)* *4=Some (about 25%)* *5=None*			

ENUMERATOR CHECKPOINT: If compost manure making was specifically mentioned in D07 skip to D20, otherwise continue to D16

D16	Have you conducted any activities related to compost manure in the last 12 months?	*1 = Yes* *2 = No*			*If 2 →* ***D20***
D17	What type of activities have you led?	*1=demonstration plots* *2=group trainings/meetings* *3=farm visits* *4=other (specify)*			
D18	What month was the activity conducted in?	*Use month codes* *(1 – 12)*			
D19	How many men and how many women were involved in the activity?	*Number*	*Men*	*Women*	
D20	Do any farm families in [*village*] know how to make some type of compost manure? What proportion know?	*1=All* *2=Most (about 75%)* *3=Half (about 50%)* *4=Some (about 25%)* *5=None*			

D21	About what proportion of farm families in [*village*] made any type of compost manure for the 2010/11 growing season? What proportion produced compost?	*1=All* *2=Most (about 75%)* *3=Half (about 50%)* *4=Some (about 25%)* *5=None*			
ENUMERATOR CHECKPOINT: If demonstration plots were mentioned in D06, D11 or D17 skip to Section E, otherwise continue to D22					
D22	Are there any demonstration plots in [*village]?*	*1 = yes* *2= no*			If 2 → **Sect E**
D23	How many are managed by women? How many by men?	*Write number of plots by gender*	*MEN*	*WOMEN*	

SECTION E: INTERACTION WITH LEAD FARMER

PIT PLANTING

E01	Do you work with a lead farmer to promote pit planting in [*village*]?	*1=Yes* *2=No*		*If 2 → **E07***
E02	What is the name of that lead farmer?			
E03	What year did you start working with this lead farmer on promoting pit planting?	*Write year. If this growing season, write 2010.*		
E04	How many activities on pit farming did you do with this lead farmer in the last 12 months?	*Write number of trainings*		
E05	On a scale of 1 to 4, where 1 is very unsuccessful and 4 is very successful, how well do you think this LF promoted pit planting in [*village]*?	*1=very unsuccessful* *2=somewhat unsuccessful* *3=somewhat successful* *4=very successful*		
E06	Why do you give that rating?			

COMPOST MANURE

E07	Do you work with a lead farmer to promote compost manure in *[village]*?	*1= Yes* *2= No*		*If 2 → **Section F***
E08	What is the name of that lead farmer?			
E09	What year did you start working with this lead farmer on promoting compost manure?	*Write year. If this growing season, write 2010.*		
E10	How many activities on compost manure did you do with this lead farmer in the last 12 months?	*Write number of trainings*		
E11	On a scale of 1 to 4, where 1 is very unsuccessful and 4 is very successful, how well do you think this LF promoted compost manure in [*village*]?	*1=very unsuccessful* *2=somewhat unsuccessful* *3=somewhat successful* *4=very successful*		
E12	Why do you give that rating?			

SECTION F: INTERACTION WITH PEER FARMERS

F01	The Extension Department is piloting the concept of "peer farmers." Are you familiar with that concept?	*1=Yes* *2=No*		*If 2 → **SECT G***
F02	Are you working with any peer farmers?	*1=Yes* *2=No*		*If 2 → **SECT G***

PIT PLANTING

F03	Are you working with any peer farmers to promote pit planting?	*1=yes* *2=no*		*If 2 → **F10***
F04	How many peer farmers do you work with on promoting pit planting?	*Record number of peer farmers*		
F05	Please list the names of these peer farmers	*1)* *2)* *3)* *4)* *5)*		

F06	How many activities on pit planting did you do with the peer farmers in the last 12 months?	*Record number of activities. If none, write 0.*		
F07	On a scale of 1 to 4, where 1 is very unsuccessful and 4 is very successful, how well do you think that the peer farmers promoted pit planting?	*1=very unsuccessful* *2=somewhat unsuccessful* *3=somewhat successful* *4=very successful*		
F08	Why do you give that rating?			
F09	Do you think there were one or two peer farmers who were more effective at promoting pit planting than others? Write their names.	*1)* *2)*		
COMPOST MANURE				
F10	Are you working with any peer farmers to promote compost manure?	*1=yes* *2=no*		*If 2 →* ***SECT G***
F11	How many peer farmers do you work with on promoting compost manure?	*Record number of peer farmers*		
F12	Please list the names of these peer farmers	*1)* *2)* *3)* *4)* *5)*		
F13	How many activities on compost manure did you do with the peer farmers in the last 12 months?	*Record number of activities. If none, write 0.*		
F14	On a scale of 1 to 4, where 1 is very unsuccessful and 4 is very successful, how well do you think that the peer farmers promoted compost making?	*1=very unsuccessful* *2=somewhat unsuccessful* *3=somewhat successful* *4=very successful*		
F15	Why do you give that rating?			
F16	Do you think there were one or two peer farmers who were more effective at promoting compost manure than others? Write their names.	*1)* *2)*		

SECTION G: FOCUS VILLAGE PRICES

G01	Do you know if ganyu labor is available in this village for preparing the field?	*1=Yes* *2=No* *3=Don't know*				*If 2 or 3 →* ***G04***
G02	Approximately how much would it cost to hire 1 worker to prepare 1 acre of land?			MWK		
			Male worker			
			Female worker			
			Child worker			
G03	How much time would 1 worker approximately need to prepare 1 acre of land?	*1= hour* *2= day* *3=week*		Quantity	Unit	
			Male worker			
			Female worker			
			Child worker			
G04	Do you know if ganyu labor is available in this village for planting?	1=Yes 2=No *3=Don't know*				*If 2 or 3 →* ***G07***
G05	Approximately how much would it cost to hire 1 worker to plant 1 acre of land?			MWK		
			Male worker			
			Female worker			
			Child worker			
G06	How much time would 1 worker approximately need to plant 1 acre of land?	1= hour 2= day 3= week		Quantity	Unit	
			Male worker:			
			Female worker			
			Child worker			
G07	Do you know if ganyu labor is available in this village for applying fertilizer?	1=Yes 2=No *3=Don't know*				*If 2 or 3 →* ***G10***

G08	Approximately how much would it cost to hire 1 worker to apply fertilizer to 1 acre of land?			MWK		
			Male worker			
			Female worker			
			Child worker			
G09	How much time would 1 worker approximately need to apply fertilizer to 1 acre of land?	1= hour 2= day 3= week		Quantity	Unit	
			Male worker			
			Female worker			
			Child worker			
G10	Do you know if ganyu labor is available in this village for weeding?	1=Yes 2=No				*If 2 →* ***G13***
G11	Approximately how much would it cost to hire 1 worker to weed 1 acre of land?			MWK		
			Male worker			
			Female worker			
			Child worker			
G12	How much time would 1 worker approximately need to weed 1 acre of land?	1= hour 2= day 3= week		Quantity	Units	
			Male worker			
			Female worker			
			Child worker			
G13	Do you know if ganyu labor is available in this village for harvesting?	1=Yes 2=No				*If 2 →* ***G16***
G14	Approximately how much would it cost to hire 1 worker to harvest 1 acre of land?			MWK		
			Male worker			
			Female worker			
			Child worker			
G15	How much time would 1 worker approximately need to harvest 1 acre of land?	1= hour 2= day 3= week		Quantity	Units	
			Male worker			
			Female worker			
			Child worker			
G16	Do you know if ganyu labor is available in this village for making compost?	1=Yes 2=No				*If 2 →* ***G19***
G17	Approximately how much would it cost to hire 1 worker to make enough compost for 1 acre of land?			MWK		
			Male worker:			
			Female worker:			
			Child worker:			
G18	How much time would 1 worker approximately need to make enough compost 1 acre of land?	1= hour 2= day 3= week		Quantity	Units	
			Male worker			
			Female worker			
			Child worker			
G19	What are the three major crops in the village in terms of the area of land allocated to their production?	*Use crop codes below*	*Crop 1*	*Crop 2*	*Crop 3*	
G21	Do men or women primarily cultivate this crop?	*1=men* *2=women*				
G20	Were the prices in the 2010/11 season higher or lower for each crop than the average prices in the last 10 years?	*1=higher* *2=lower* *3=about the same* *4=no sales in 2010/2011*				
G22	Is this crop primarily sold by men or women?	*1=men* *2=women*				

Crop Codes					
01 = Maize	*05 = Irish potato*	*09 = Cotton*	*13 = P. Millet*	*17 = Onions*	*21 = Other (specify)*
02 = Tobacco	*06 = Sweet potato*	*10 = Rice*	*14 = Soyabean*	*18 = Carrots*	
03 = Beans	*07 = Pigeon pea*	*11 = F. Millet*	*15 = Tomatoes*	*19 = Cabbage*	
04 = Groundnut	*08 = Cassava*	*12 = Sorghum*	*16 = Leafy greens*	*20 = Pumpkin*	