MINISTRY OF AGRICULTURE & FOOD SECURITY
ADP-SP ON FARM MONITORING
QUESTIONNAIRE FOR LEAD FARMERS
(Conservation Farming – March / April Visit)

SECTION A: IDENTIFICATION

A01	District	1=Balaka 2=Chikwawa 3=Neno 4=Rumphi		|__|
A02	EPA Name		EPA Number	|__|
A03	Section Name		Section Number	|__|__|
A04	Village Name		Village Number	|__|__|__|
A05	Household Number		From Household Listing	|__|__|__|
A06	Date of monitoring visit		Day / Month	|__|__|/|__|__|
A07	Name of lead farmer			
A08	Gender of lead farmer		1=Male 2=Female	|__|
A09	Relationship to Household Head (HH)		1=HH 2=Husband/Wife of HH 3=Brother/Sister of HH 4= Other (specify)	|__|
A10	Name of HH			

A11	How were you selected to be a lead farmer? Please explain the selection process, and why you were chosen as peer farmer.

A12	How many years have you worked as a lead farmer?	Number of years	|__|__|	
A13	As a lead farmer, do you work in any other villages?	1=Yes 2=No	|__|	If 2, ► A17

A14	What village(s)?	Please record name(s) of village(s) and distance from lead farmers home	Name	Distance (kms)
				|__|__|.|__|
				|__|__|.|__|

A06	What is your usual form of transport when working as lead farmer?	1=walking 4=public transport 2=push bike 5=other (specify) 3= motorcycle	|__|
A08	How many times have you met the AEDO during the current growing season (August 2009 to date) for agricultural activities?	Record number of times.	|__|__|
A09	When was the last time you met the AEDO for an agricultural activity?	Day / Month / Year	|__|__|/|__|__|/|__|__|__|

A10	What training have you received during the current growing season (August 2009 to date)? Please list all trainings, from any source (NGO, Ministry, etc). For each training, record description, indicate the name and type of source and the month/year of training.			
	Description of training	Source Name	Source Code (use codelist below)	Month / Year
Training 1:				
Training 2:				
Training 3:				
Training 4:				

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

SECTION B: CONSERVATION FARMING KNOWLEDGE

B01	Have you ever heard of conservation agriculture or conservation farming?	1=Yes 2=No		If 2, ▶ B05
			|_|	

	B02	B03		B04
	Please list all conservation farming technologies you know of	How did you learn about this technology? *Provide name of source and type, using codelist above.*		In what year did you first learn about this technology?
		Name	Code	
a)				
b)				
c)				
d)				
B05	If not mentioned above, specifically ask: Have you ever heard of pit planting? If yes, complete **B03-B04**			

SECTION C: CONSERVATION FARMING ACTIVITIES

C01	About what proportion of farm families in your village know about pit planting?	1=All 2=Most (about 75%) 3=Half (about 50%) 4=Some (about 25%) 5=None	|_|
C02	About what proportion of farm families in your village practiced pit planting on any plot during the current growing season? (*If exact number of farm families known, write that in instead of code*)	1=All 2=Most (about 75%) 3=Half (about 50%) 4=Some (about 25%) 5=None	|_|

C03	Have you trained farmers in this village on pit planting this growing season (from August 2009 to date)? Please tell me all activities you did to train farmers (i.e. farm visits, group trainings, demonstration sites, etc), what month you did them, and how many farmers were involved.			
	Description of activity	Month	# of farmers involved	Who initiated the training? 1=AEDO 2=Lead farmer 3=Peer farmer 4=Farmers (demand-driven)
a)		|_|_|	|_|_|	|_|
b)		|_|_|	|_|_|	|_|
c)		|_|_|	|_|_|	|_|
d)		|_|_|	|_|_|	|_|

C04	What do you think are the most common reasons farmers in this village adopt pit planting? Please list up to 3 reasons.
Reason 1:	
Reason 2:	
Reason 3:	

C05	What do you think are the most common reasons farmers in this village *do not* adopt pit planting? Please list up to 3 reasons.
Reason 1:	
Reason 2:	
Reason 3:	

SECTION D: INTERACTION WITH PEER FARMERS

D01	The Extension Department is piloting the concept of "peer farmers." Are you familiar with that concept?	1=Yes 2=No → **Skip to Section E**	|__|
D02	Are you working with any peer farmers in the village?	1=Yes 2=No → **Skip to Section E**	|__|
D03	How many peer farmers do you work with?	Record number of peer farmers	|__|
D04	Please list the names of the peer farmers:	1) 2) 3) 4) 5)	
D05	Have you trained the peer farmers on pit planting?	1=Yes 2=No → skip to **Section E**	|__|
D06	When did you train the peer farmers on pit planting?	1=second half August 7=second half November 2=first half September 8=first half December 3=second half September 9=second half December 4=first half October 10=other 5=second half October 11=not yet trained 6=first half November	|__|
D07	Did you do any follow up trainings with the peer farmers? If yes, how many?	Record number of follow-up trainings. If none, write 0.	|__|
D08	What methods have you used to train the peer farmers on pit planting?	Please list all training activities, record description and month.	

	Description of training activity		Month
Training Activity 1:			
Training Activity 2:			
Training Activity 3:			

D09	On a scale of 1 to 4, where 1 is very unsuccessful and 4 is very successful, how would you rate your experience working with peer farmers to promote pit planting?	1=very unsuccessful 2=somewhat unsuccessful 3=somewhat successful 4=very successful	|__|
D10	Why do you give that rating?		

SECTION E: PLOT MANAGEMENT INFORMATION

E01	Did you use planting pits in any of your plots?	1=Yes 2=No	|__|	If 2 ► **D03**. You must still do site visits. Choose to visit any 2 plots where the farmer is growing maize.
E02	How many plots did you apply compost manure to?	Number of plots	|__|	If 1 or 2 plots, visit each and fill out the rest of **Sect B**. If more than 2, choose 2 to visit.

			Plot 1		Plot 2	
			Quantity	Unit	Quantity	Unit
E02	Area of plot (THIS SHOULD BE PACED! FARM VISIT REQUIRED!)	Record both quantity and units. 1=Acres 2=Hectares	|__| · |__|__|	|__|	|__| · |__|__|	|__|
E03	How is the land prepared on this plot?	1=Ridged 2=Planting Pits 3=Minimum Tillage 4=Zero Tillage 5=Flat, tilled 6=Other (specify)	|__|		|__|	If 2, ► D06
E04	How far apart are the ridges	Cms	|__|__|__|		|__|__|__|	
E05	Are ridges aligned along the contour?	1=Yes 2=No	|__|		|__|	
E06	On what date did you plant this plot?	Day/ month	|__|__| / |__|__|		|__|__| / |__|__|	

			Crop 1: |_|_|		Crop 1: |_|_|	
E07	What crops have you planted in this plot?	Use crop codes (last page).	Crop 2: |_|_| Crop 3: |_|_|		Crop 2: |_|_| Crop 3: |_|_|	
E08	Date of plant emergence?		|_|_|/|_|_|		|_|_|/|_|_|	
E09	How many maize plants per planting station?	COUNT MAIZE PLANTS	|_|		|_|	
E10	What is the distance between planting stations?	Cms	|_|_|_|		|_|_|_|	
E11	Have you weeded the plot? *Answer yes even if the crop failed after first weeding*	1=yes 2=No	|_|		|_|	
E12	When did you start the first weeding?	Day / Month	|_|_|/|_|_|		|_|_|/|_|_|	

E13	How many people were involved and for how many days?	Ask specifically about each category.		People	Days		People	Days
			Men			Men		
			Women			Women		
			Boys (<14)			Boys (<14)		
			Girls (<14)			Girls (<14)		

									If 2,
E14	Did you weed a second time?	1=Yes 2=No		|_|			|_|		▶ D22
E15	When did you start?	Day / Month		|_|_|/|_|_|			|_|_|/|_|_|		

E16	How many people were involved in weeding and for how many days?	Ask specifically about each category.		People	Days		People	Days
			Men			Men		
			Women			Women		
			Boys (<14)			Boys (<14)		
			Girls (<14)			Girls (<14)		

									If 2,
E17	Did you weed a third time?	1=Yes 2=No		|_|			|_|		▶ D22
E18	When did you weed the third time?	Day / Month		|_|_|/|_|_|			|_|_|/|_|_|		

E19	How many people were involved in weeding and for how many days?			People	Days		People	Days
		Men			Men		
		Women			Women		
		Boys (<14)			Boys (<14)		
		Girls (<14)			Girls (<14)		

E20	OBSERVE: On a scale of 1 to 4, how well weeded is this plot?	:1=completely weed free 2=few weeds 3=quite a lot of weeds 4=completely overtaken by weeds	|_|	|_|
E21	OBSERVE: Overall, on a scale of 1 – 4, in which 1 is very unhealthy and 4 is very healthy, how would you rate the maize in this plot?	1=very unhealthy 2=somewhat unhealthy 3=somewhat healthy 4=very healthy	|_|	|_|
E22	ASK: How does the health of the maize in this plot compare to the maize you are growing on average (in all plots)?	1=much healthier than average 2=a little more healthy 3=average (other plots similar) 4=a little less healthy 5=much less healthy	|_|	|_|

SECTION F: USE OF CONSERVATION FARMING TECHNOLOGIES
Answer the following questions for the same two plots as in Section B above.

			Plot 1	Plot 2	
F01	Have you used any herbicide on this plot?	1=Yes 2=No	|__|	|__|	If 2, ► C04
F02	Date of herbicide application?	Day / Month	|__|/|__|	|__|/|__|	
F03	Method of application	Write in response			
F04	Did you apply mulch to this plot?	1=Yes 2=No	|__|	|__|	If 2, ► C09
F05	What material did you use for mulch?	1=maize crop residue 2=other crop residue 3=other material (specify)	|__|	|__|	
F06	DO NOT ASK: Is there still mulch visible on the ground in this plot?	1=Yes 2=No			If 2, ► C09
F07	DO NOT ASK: How much of the ground in this plot is covered by mulch?	Write percent	|___| %	|___| %	
F08	DO NOT ASK: On a scale of 1 to 4, how thickly is the mulch applied?	1=not possible to see ground 2=thickly applied, but some gaps 3=somewhat sparse 4=very sparse; mostly bare ground	|__|	|__|	
F09	Are any small water channels or other evidence of erosion visible in this plot?	1=Yes 2=No	|__|	|__|	If 2, ► Sect D
F10	How severely is the plot affected by erosion?	1=very severely affected (clear loss of topsoil) 2=somewhat severely affected 3= mildly affected	|__|	|__|	

SECTION G: PIT PLANTING
Ask these questions if the farmers is using planting pits in the plot . *Note that the questions refer to the same plots from previous section.* **"IF THIS FARMER WAS INTERVIEWED DURING MONITORING ROUND 1, THIS SECTION CAN BE SKIPPED"**

			PLOT 1	PLOT 2
G01	Slope of land	1=Very steep 2=Moderately steep 3=Flat	|__|	|__|
G02	Are the pits aligned along the contour?	1=Yes 2=No	|__|	|__|
G03	Are the planting pits staggered (layout)?	1=Yes 2=No	|__|	|__|
G04	What crop(s) were planted in the pits?	Use crop codes below.	Crop 1: |____| Crop 2: |____|	Crop 1: |____| Crop 2: |____|
G05	How many seeds were planted in each pit?	Number of seeds, by crop	Crop 1: |____| Crop 2: |____|	Crop 1: |____| Crop 2: |____|
G06	Are any other crops planted around the pits?	1=Yes 2=No	|__|	|__|
G07	Specify crop	Use crop codes below	Crop 1: |____| Crop 2: |____|	Crop 1: |____| Crop 2: |____|
G08	Is the size of the pits consistent?	1=Yes 2=No	|__|	|__|

G09	Dimensions of pits:	MEASURE DIRECTLY centimeters	Length	Width	Depth	Length	Width	Depth
			|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|
G10	Is spacing of pits consistent?	ANSWER BY DIRECT OBSERVATION 1=Yes 2=No		|__|			|__|	
G11	How far apart are the pits (from center to center)?	MEASURE DIRECTLY centimeters		|__|__|__|			|__|__|__|	
G12	How many people for how many days worked to prepare the pits?	Number of people and number of days.	People |__|__|	Days |__|__|		People |__|__|	Days |__|__|	
G13	How much of the work was done by women?	Percentage		|__|__| %			|__|__| %	

SECTION H: OBSERVATIONS
Please record observations about the overall health of the crops in each plot, or any other comments here.

Plot 1	Plot 2

SECTION I: AGRICULTURAL SHOCKS
Please ask the following questions about ALL maize plots (not just the plots considered above)

I01	Was any maize on any of your plots due to lack of rains?	1=Yes 2=No		|__|		If 2, ► H04
I02	In total, how much of the maize you planted completely failed (i.e. nothing will be harvested) due to lack of rain?	Record quantity and units. Use unit codes below. If none, write 00.	Quantity |__|__|__| · |__|__|		Units |__|	
I03	In total, how much of the maize you planted was damaged (wilted, stunted, poorly germinated, etc) due to lack of rain? ATTENTION: do not include the area that totally failed. Record here total area where crop is damaged but some harvest will still be possible.	Record quantity and units. Use unit codes below. If none, write 00.	Quantity |__|__|__| · |__|__|		Units |__|	
I04	Did you replant maize on any plot?	1=Yes 2=No		|__|		If 2, ► H07
I05	Please specify reason for replanting:					
I06	What was the total replanted area?	Record quantity and units. Use unit codes below. If none, write 00.	Quantity |__|__|__| · |__|__|		Units |__|	
I07	Has the maize in this plot been affected by army worms?	1=Yes 2=No		|__|		If 2, ► End Interview
I08	What size area was affected?	Record quantity and units. Use unit codes below. If none, write 00.	Quantity |__|__|__| · |__|__|		Units |__|	
I09	Within that area, what proportion of the maize was affected?	ANSWER MUST BE BASED ON DIRECT OBSERVATION	|__|__|__| %			

UNIT CODES

17kilograms   2=50 kg bag   3=10L bucket   4=20L bucket   5=ox cart   6=other (specify)