

**MINISTRY OF AGRICULTURE & FOOD SECURITY**

## ADP-SP ON FARM MONITORING

## QUESTIONNAIRE FOR LEAD FARMERS

(Nutrient Management – March / April Visit)

## SECTION A: IDENTIFICATION

<b>A01</b>	District	1=Dedza 2=Mchinji 3=Mzimba 4=Zomba		
<b>A02</b>	EPA Name		EPA Number	
<b>A03</b>	Section Name		Section Number	
<b>A04</b>	Village Name		Village Number	
<b>A05</b>	Household Number		From Household Listing	
<b>A06</b>	Date of monitoring visit		Day / Month	
<b>A07</b>	Name of lead farmer			
<b>A08</b>	Gender of lead farmer	1=Male 2=Female		
<b>A09</b>	Relationship to Household Head (HH)	1=HH 2=Husband/Wife of HH	3=Brother/Sister of HH 4= Other (specify)	
<b>A10</b>	Name of HH			
<b>A11</b>	How were you selected to be a lead farmer? Please explain the selection process, and why you were chosen as peer farmer.			
<b>A12</b>	How many years have you worked as a lead farmer?	Number of years		
<b>A13</b>	As a lead farmer, do you work in any other villages?	1=Yes 2=No		If 2, ► A17
<b>A14</b>	What village(s)?	Please record name(s) of village(s) and distance from lead farmers home	Name	Distance (kms)
<b>A06</b>	What is your usual form of transport when working as lead farmer?	1=walking 2=push bike 3= motorcycle	4=public transport 5=other (specify)	
<b>A08</b>	How many times have you met the AEDO during the current growing season (August 2009 to date) for agricultural activities?	Record number of times.		
<b>A09</b>	When was the last time you met the AEDO for an agricultural activity?	Day / Month / Year		
<b>A10</b>	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:				
<b>Codelist: Information Source</b> 1=MoAFS training    2= NGO    3= AEDC    4=School    5=NASFAM    6=Private sector company    7=Other (specify)				



SECTION B: NUTRIENT MANAGEMENT KNOWLEDGE				
B01	Do you know how to make any type of compost manure?	1=Yes	2=No	<div> <div></div> <div></div> </div> <div>If 2, ► B05</div>
	B02	B03		B04
	Please list all types of compost manure you know how to make	How did you learn about this type? Provide name and source type, using code list below.		In what year did you first learn about this type?
		Name	Source code	
a)			<div></div>	<div></div>
b)			<div></div>	<div></div>
c)			<div></div>	<div></div>
d)			<div></div>	<div></div>
B05	If not mentioned above, specifically ask: Have you ever heard of Chinese compost? If yes, complete B03-B04		<div></div>	<div></div>
<b>Information Source Codes</b> 1=AEDO   2=MoAFS   3=NGO   4=Lead Farmer   5=NASFAM   6=Private sector company   7=Other (specify)				

SECTION C: NUTRIENT MANAGEMENT ACTIVITIES				
C01	About what proportion of farm families in your village know how to make some type of compost manure?	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 produced some type of compost manure for 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 compost manure 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 (note type of compost)	Month	# of farmers involved	Who initiated the training? 1=AEDO 2=Lead farmer 3=Peer farmer 4=Farmers (demand-driven)
a)		<div></div>	<div></div>	<div></div>
b)		<div></div>	<div></div>	<div></div>
c)		<div></div>	<div></div>	<div></div>
d)		<div></div>	<div></div>	<div></div>
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	<input type="text"/>
D02	Are you working with any peer farmers in the village?	1=Yes 2=No → Skip to Section E	<input type="text"/>
D03	How many peer farmers do you work with?	Record number of peer farmers	<input type="text"/>
D04	Please list the names of the peer farmers:	1) 2) 3) 4) 5)	
D05	Have you trained the peer farmers on nutrient management?	1=Yes 2=No → skip to Section E	<input type="text"/>
D06	When did you train the peer farmers?	1=second half August 2=first half September 3=second half September 4=first half October 5=second half October 6=first half November 7=second half November 8=first half December 9=second half December 10=other 11=not yet trained	<input type="text"/>
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.	<input type="text"/>
D08	What methods have you used to train the peer farmers on pit planting?	Please list all training activities, record description and month.	
	Training Activity 1:	Description of training activity	Month
	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	<input type="text"/>
D10	Why do you give that rating?		

# SECTION E: PLOT MANAGEMENT INFORMATION

E01	Did you apply compost manure to any plots this season?	1=Yes 2=No	<input type="text"/>	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	<input type="text"/>	If 1 or 2, visit the indicated plots. If more than 2, choose 2 plots where the farm has used compost manure to visit.		
			Plot 1	Plot 2		
E02	Area of plot (THIS SHOULD BE PACED! FARM VISIT REQUIRED!)	Record both quantity and units. 1=Acre 2=Hectares	Quantity	Unit	Quantity	Unit
			<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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)	<input type="text"/>	<input type="text"/>	<input type="text"/>	If 2, ► E06
E04	How far apart are the ridges	Cms	<input type="text"/>	<input type="text"/>	<input type="text"/>	
E05	Are ridges aligned along the contour?	1=Yes 2=No	<input type="text"/>	<input type="text"/>	<input type="text"/>	
E06	On what date did you plant this plot?	Day/ month	<input type="text"/>	<input type="text"/>	<input type="text"/>	



E07 What crops have you planted in this plot? Use crop codes (last page).

Crop 1:

Crop 1:

Crop 2:

Crop 2:

Crop 3:

Crop 3:

E08 Date of plant emergence?

/

/

E09	How many maize plants per planting station?	COUNT MAIZE PLANTS	<input type="text"/>	<input type="text"/>																														
E10	What is the distance between planting stations?	Cms	<input type="text"/>	<input type="text"/>																														
E11	Have you weeded the plot? Answer yes even if the crop failed after first weeding.	1=yes 2=No	<input type="text"/>	If 2, ► E22																														
E12	When did you start the first weeding?	Day / Month	<input type="text"/> / <input type="text"/>	<input type="text"/> / <input type="text"/>																														
E13	How many people were involved and for how many days?	Ask specifically about each category.	<table border="1"> <thead> <tr> <th></th> <th>People</th> <th>Days</th> </tr> </thead> <tbody> <tr> <td>Men</td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> <tr> <td>Women</td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> <tr> <td>Boys (&lt;14)</td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> <tr> <td>Girls (&lt;14)</td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> </tbody> </table>		People	Days	Men	<input type="text"/>	<input type="text"/>	Women	<input type="text"/>	<input type="text"/>	Boys (<14)	<input type="text"/>	<input type="text"/>	Girls (<14)	<input type="text"/>	<input type="text"/>	<table border="1"> <thead> <tr> <th></th> <th>People</th> <th>Days</th> </tr> </thead> <tbody> <tr> <td>Men</td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> <tr> <td>Women</td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> <tr> <td>Boys (&lt;14)</td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> <tr> <td>Girls (&lt;14)</td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> </tbody> </table>		People	Days	Men	<input type="text"/>	<input type="text"/>	Women	<input type="text"/>	<input type="text"/>	Boys (<14)	<input type="text"/>	<input type="text"/>	Girls (<14)	<input type="text"/>	<input type="text"/>
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Girls (<14)	<input type="text"/>	<input type="text"/>																																

E14	Did you weed a second time?	1=Yes 2=No	<input type="text"/>	<input type="text"/>	If 2, ► E22																														
E15	When did you start?	Day / Month	<input type="text"/> / <input type="text"/>	<input type="text"/> / <input type="text"/>																															
E16	How many people were involved in weeding and for how many days?	Ask specifically about each category.	<table border="1"> <thead> <tr> <th></th> <th>People</th> <th>Days</th> </tr> </thead> <tbody> <tr> <td>Men</td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> <tr> <td>Women</td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> <tr> <td>Boys (&lt;14)</td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> <tr> <td>Girls (&lt;14)</td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> </tbody> </table>		People	Days	Men	<input type="text"/>	<input type="text"/>	Women	<input type="text"/>	<input type="text"/>	Boys (<14)	<input type="text"/>	<input type="text"/>	Girls (<14)	<input type="text"/>	<input type="text"/>	<table border="1"> <thead> <tr> <th></th> <th>People</th> <th>Days</th> </tr> </thead> <tbody> <tr> <td>Men</td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> <tr> <td>Women</td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> <tr> <td>Boys (&lt;14)</td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> <tr> <td>Girls (&lt;14)</td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> </tbody> </table>		People	Days	Men	<input type="text"/>	<input type="text"/>	Women	<input type="text"/>	<input type="text"/>	Boys (<14)	<input type="text"/>	<input type="text"/>	Girls (<14)	<input type="text"/>	<input type="text"/>	
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Boys (<14)	<input type="text"/>	<input type="text"/>																																	
Girls (<14)	<input type="text"/>	<input type="text"/>																																	
E17	Did you weed a third time?	1=Yes 2=No	<input type="text"/>	<input type="text"/>	If 2, ► E22																														

E18	When did you weed the third time?	Day / Month	<input type="text"/> / <input type="text"/>	<input type="text"/> / <input type="text"/>																															
E19	How many people were involved in weeding and for how many days?		<table border="1"> <thead> <tr> <th></th> <th>People</th> <th>Days</th> </tr> </thead> <tbody> <tr> <td>Men</td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> <tr> <td>Women</td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> <tr> <td>Boys (&lt;14)</td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> <tr> <td>Girls (&lt;14)</td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> </tbody> </table>		People	Days	Men	<input type="text"/>	<input type="text"/>	Women	<input type="text"/>	<input type="text"/>	Boys (<14)	<input type="text"/>	<input type="text"/>	Girls (<14)	<input type="text"/>	<input type="text"/>	<table border="1"> <thead> <tr> <th></th> <th>People</th> <th>Days</th> </tr> </thead> <tbody> <tr> <td>Men</td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> <tr> <td>Women</td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> <tr> <td>Boys (&lt;14)</td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> <tr> <td>Girls (&lt;14)</td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> </tbody> </table>		People	Days	Men	<input type="text"/>	<input type="text"/>	Women	<input type="text"/>	<input type="text"/>	Boys (<14)	<input type="text"/>	<input type="text"/>	Girls (<14)	<input type="text"/>	<input type="text"/>	
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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	<input type="text"/>	<input type="text"/>																															
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	<input type="text"/>	<input type="text"/>																															
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	<input type="text"/>	<input type="text"/>																															



## SECTION F: USE OF INORGANIC FERTILIZERS

Answer the following questions for the same two plots as in Section D above.

			Plot 1		Plot 2		
F01	Did you apply basal fertilizer to this plot?	1=Yes 2=No	_		_		If 2, ► F05
F02	On what date did you apply the basal dressing?	Day / month	_ / _		_ / _		
F03	How much basal dressing did you apply at each application station?	Record quantity and units 1=teaspoon 2=bottle cap 3=other (specify)	Quantity	Unit	Quantity	Unit	
F04	How much basal dressing did you apply to the plot in total?	Use Unit Codes on last page.	Quantity	Unit	Quantity	Unit	
F05	Did you apply top dressing fertilizer to this plot?	1=Yes 2=No	_		_		
F06	On what date did you apply the top dressing?	Day / month	_ / _		_ / _		
F07	Was the maize below, above, or at knee height when you applied the top dressing?	1=below knee height 2=at knee height 3=above knee height	_		_		
F08	What method did you use to apply the top dressing? ASK FARMER TO DEMONSTRATE.	1=applied at planting station 2=applied in between planting stations 3=other (specify)	_		_		
F09	How much top dressing did you apply at each application station? ASK FARMER TO SHOW YOU MEASURE USED.	Record quantity and units 1=teaspoon 2=bottle cap 3=other (specify)	Quantity	Unit	Quantity	Unit	
F10	How much top dressing did you apply to the plot in total?	Use Unit Codes on last page.	Quantity	Unit	Quantity	Unit	
			_	_	_	_	

## SECTION G: USE OF INORGANIC FERTILIZERS

Answer the following questions for the same two plots as in Section B above.

			Plot 1		Plot 2		
G01	Date of planting	Day / Month	_ / _		_ / _		Where possible, take this information from the Round 1 farm monitoring form
G02	Date of first application of manure	Day / Month	_ / _		_ / _		
G03	Type of compost manure applied (multiple responses possible)	A=Chinese B=Bokashi C=Chimato D=Pit E=Frame F=Liquid G=Khola H=Other (specify)					
G04	Quantity of compost manure applied	Record both quantity and units. Use Unit codes on last page.	Quantity	Unit	Quantity	Unit	
G05	Was compost manure applied to the entire plot?	1=yes 2=No	_ %		_ %		If 2, ► G07
G06	To what area was the compost manure applied?	1=acres 2=hectares 3=square meters	Number	Units	Number	Units	
			_ . _	_	_ . _	_	
G07	Method of application:	1=Buried in split ridge. 2=Broadcast 3=Applied at planting station 4=other (specify)	_		_		



G08	How deeply was the manure buried in the ridge?	Centimeters	<input type="text"/>	<input type="text"/>	
G09	Did you apply compost manure a second time?	1=Yes 2=No	<input type="text"/>	<input type="text"/>	If 2, ► Sect H
G10	Date of second application:	Day / month.	<input type="text"/>	<input type="text"/>	
G11	Type of compost manure applied (multiple responses possible)	A=Chinese B=Bokashi C=Chimato D=Pit E=Frame F=Liquid G=Khola H=Other (specify)			
G12	Quantity of compost manure applied	Record both quantity and units. Use Unit codes below.	Quantity <input type="text"/>	Unit <input type="text"/>	Quantity <input type="text"/>
G13	Proportion of plot with manure applied	Percent	<input type="text"/> %	<input type="text"/> %	
G14	Method of application:	1=Buried in split ridge 2=Broadcast 3=Applied at planting station 4=other (specify)	<input type="text"/>	<input type="text"/>	
G15	How deeply was the manure buried in the ridge?	Centimetres	<input type="text"/>	<input type="text"/>	

## 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	<input type="text"/>	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 <input type="text"/>	Units <input type="text"/>
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 <input type="text"/>	Units <input type="text"/>
I04	Did you replant maize on any plot?	1=Yes 2=No	<input type="text"/>	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 <input type="text"/>	Units <input type="text"/>
I07	Has the maize in this plot been affected by army worms?	1=Yes 2=No	<input type="text"/>	If 2, ► End Interview
I08	What size area was affected?	Record quantity and units. Use unit codes below. If none, write 00.	Quantity <input type="text"/>	Units <input type="text"/>
I09	Within that area, what proportion of the maize was affected?	ANSWER MUST BE BASED ON DIRECT OBSERVATION	<input type="text"/> %	