

Africa RISING Machinga, Malawi Post-Harvest Survey – May 2017

Consent Form

Title of the research project: Agro-ecological Intensification and Production among smallholder farmers in Malawi

Hello! My name is ___ and I am working for Africa RISING. Researchers from Michigan State University are trying to learn about the lives of farmers in Malawi. We are asking farmers, like you, if they would like to participate in a face-to-face interview about how you farm, and it will last about an hour. You must be at least 18 years old to participate.

We are not selling anything or offering any services to you right now. We are only gathering information, but hope that by understanding the lives of farmers in Malawi, Michigan State University and other organizations may provide better services in the future.

Your participation is completely voluntary. Choosing to participate will not increase your opportunities to get services; and choosing not to participate will not decrease your opportunities to receive services. If you choose to participate, I will ask you a number of questions about your household, your farm, and your opinions about farming. You can choose not to answer any question you wish. Your answers will be completely confidential and only the research staff will see your answers. When we do our reports, your answers will be grouped with other farmers' answers to give an overall picture of the lives of farmers in this area. No one in your community will know what your answers are unless you tell them.

There's no cost or compensation offered to participate.

If you have any questions about the study you may contact Dr. Regis Chikowo at IITA by phone at 0994-859-401, or Hannah Livuza by phone at 0999-938587.

Do you have any questions about this study or your participation?

Do you agree to participate in this interview (Enumerator, circle response)? **YES** **NO**

[If no:] Thank you for your time today. [Indicate the respondent's indication that they do not agree to participate in the survey. Notify your supervisor at the end of the day.]

EPA:	Sample: <i>1=Int.; 2=LC; 3=DC</i>		A3-Enumerated by:
Village:	A2-Date _____/_____/2017	Checked by:	
A1-Household ID		Data entry by:	
A4-Name of household head		A5-Name of respondent	
NV0-When was the first rains in the area? <i>(1=Jan; 2=Feb...; 11=Nov; 12=Dec)</i>			Month
<i>(For weeks enter 1, 2, 3 or 4)</i>			Week

EPA Codes <i>12=Mtubwi</i>	<i>13=Nsanama</i>	<i>14=Nyambi</i>
Village Codes <i>120=Tambula</i>	<i>130=Nwokiwa</i>	<i>137=Mkomola</i>
<i>121=Duwa</i>	<i>131=Petekula petekula</i>	<i>138=Ntchema</i>
<i>122=Mtonda</i>	<i>132=Muntuwa</i>	<i>139=Maraka</i>
<i>123=Dija</i>	<i>133=Shaibu Petekula</i>	<i>513=Namunde</i>
<i>124=Mtila</i>	<i>134=Thimakera</i>	<i>613=Likwakwa</i>
<i>512=Chilonga-Magadi</i>	<i>135=Putheke</i>	<i>140=Msigalira</i>
<i>612=Chipamba</i>	<i>136=Mwiriya</i>	<i>147=Mwalija</i>
		<i>141=Mkambili</i>
		<i>142=Sale II</i>
		<i>143=Chapola</i>
		<i>144=Muhiwa</i>
		<i>145=Mang'anda</i>
		<i>146=Msaka</i>
		<i>514=M'bawa-Chimala</i>
		<i>614=Chimombo</i>

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Fertility HIGH

B1- Plot Name _____

lat- Plot Latitude	S						
long- Plot Longitude	E						

Area1- What is the total area of this field? (<i>Meters squared, as measured using the GPS unit</i>)		
Area3- What is the “represented” area in this field? (<i>Meters squared, as measured using the GPS unit</i>) <i>“Represented area” is maize area if all maize area is fertilized or all maize area is unfertilized.</i> <i>If partially fertilized, “represented area is the fertilized portion of maize area.</i> <i>If the primary crop is not maize, follow the above guidelines for the primary crop instead.</i>		
FP05- Were herbicides used on this plot during the 2016/2017 season? (1=Yes; 2=No)		
If FP05=2 (No), skip to FP06 FP05_spec - What type of herbicide was used (Specify)		
FP06- Were pesticides used on this plot during the 2016/2017 season? (1=Yes; 2=No)		
FP07- How much NPK (23:21:0+4S) was applied to this plot? <i>If NPK was not applied, enter “0” for QTY and skip to FP10 (See unit codes below)</i>	FP07-QTY	
	FP08-UNITS	
FP10- How much Urea was applied to this plot? <i>If Urea was not applied, enter “0” for QTY and skip to FP13) (See unit codes below)</i>	FP10-QTY	
	FP11-UNITS	
FP13- How much compost was applied to this plot? <i>If compost was not applied, enter “0” for QTY and skip to FP16) (See unit codes below)</i>	FP13-QTY	
	FP14-UNITS	
FP16- How much manure was applied to this plot? <i>If manure was not applied, enter “0” for QTY and skip to B3) (See unit codes below)</i>	FP16-QTY	
	FP17-UNITS	
FP19- How much other fertilizer was applied to this plot? <i>If manure was not applied, enter “0” for QTY and skip to B3) (See unit codes below)</i>	FP19-QTY	
	FP20-UNITS	
FP22- (If FP19=0, skip to next question) What was the name of the “other fertilizer”?		
FP00 - Was this plot rented out to another farmer? (1=Yes; 2=No)		
B3 - Enumerator, Which image best represents the slope of this plot? (See visual aid)		
B90- How were crops mixed on this field (1=Monocrop; 2=Intercrop; 3=Strip intercrops)		

Enumerator - Please ask the following for all crop types (not just those included in yield cuts)

F03a- What is the main crop planted for the 2017 (current) harvest? (See codes below)		
NV1-When did main crop planting start? (1=Jan; 2=Feb; 3=Mar...; 11=Nov; 12=Dec)	Month	
	Week	
		(For weeks enter 1, 2, 3 or 4)
F03a2- Has the main crop been completely harvested? (1=Yes; 2=No)		
F03a3- What is or will be the total main crop quantity harvested?		QTY
		UNITS
Were measured units shelled or unshelled? (0=NA; 1=shelled; 2=unshelled)		SHELL
F03b- What is the primary intercrop planted for the 2017 (current) harvest? (See codes-Enter “0” if none)		
NV2-When did primary intercrop planting start? (1=Jan; 2=Feb; 3=Mar...; 11=Nov; 12=Dec)	Month	
	Week	
		(For weeks enter 1, 2, 3 or 4)
F03b2- Has the primary intercrop been completely harvested? (1=Yes; 2=No)		
F03b3- What is or will be the total primary intercrop quantity harvested?		QTY
		UNITS
Were measured units shelled or unshelled? (0=NA; 1=shelled; 2=unshelled)		SHELL
F03c- What is the second intercrop planted for the 2017 (current) harvest? (See codes-Enter “0” if none)		
NV3-When did second intercrop planting start? (1=Jan; 2=Feb; 3=Mar...; 11=Nov; 12=Dec)	Month	
	Week	
		(For weeks enter 1, 2, 3 or 4)
F03c2- Has the second intercrop been completely harvested? (1=Yes; 2=No)		
F03c3- What is or will be the total second intercrop quantity harvested?		QTY
		UNITS
Were measured units shelled or unshelled? (0=NA; 1=shelled; 2=unshelled)		SHELL

Crop codes: 0 = None 1=local maize 2=hybrid maize 3=OPV/Composite maize 4=tobacco 5=cotton	6=pigeonpea 7=groundnut 8=soya bean 9=common bean 10=velvet bean 11=cowpea 12=bambara nut	13=sorghum 14=cassava 15=sweet potato 16=Irish potato 17=millet 18=rice 19=pumpkin	20=Fallow 87=Virgin land 89=Used/owned by another farmer 99=Other (Specify)_____
Unit codes 1=kg 2=25 kg sacks 3=50 kg sacks 4=20L Bucket	5=5L pail 6=Ndiwo plate (about 0.5 kg) 7=Nsimu plate (about 1 kg)	8=18L Bucket 9=15L Bucket 10=10L pail 11=0x cart	12=Bunches 13=Heads/In total 99=Other (specify)

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Fertility HIGH

Enumerator – Please identify three fairly evenly spaced locations (call these A, B & C) across the diagonal of the plot, avoiding borders.

If the plot has been partially fertilized, locate take locations in the areas that have been fertilized. If the plot has been partially harvested, take locations in the areas that have not been harvested.

If the plot is partially fertilized, and all of the fertilized area has been harvested, take locations in the un-harvested areas (even if they have not been fertilized).

Roughly illustrate the plot in the space provided below. In the illustration, please show:

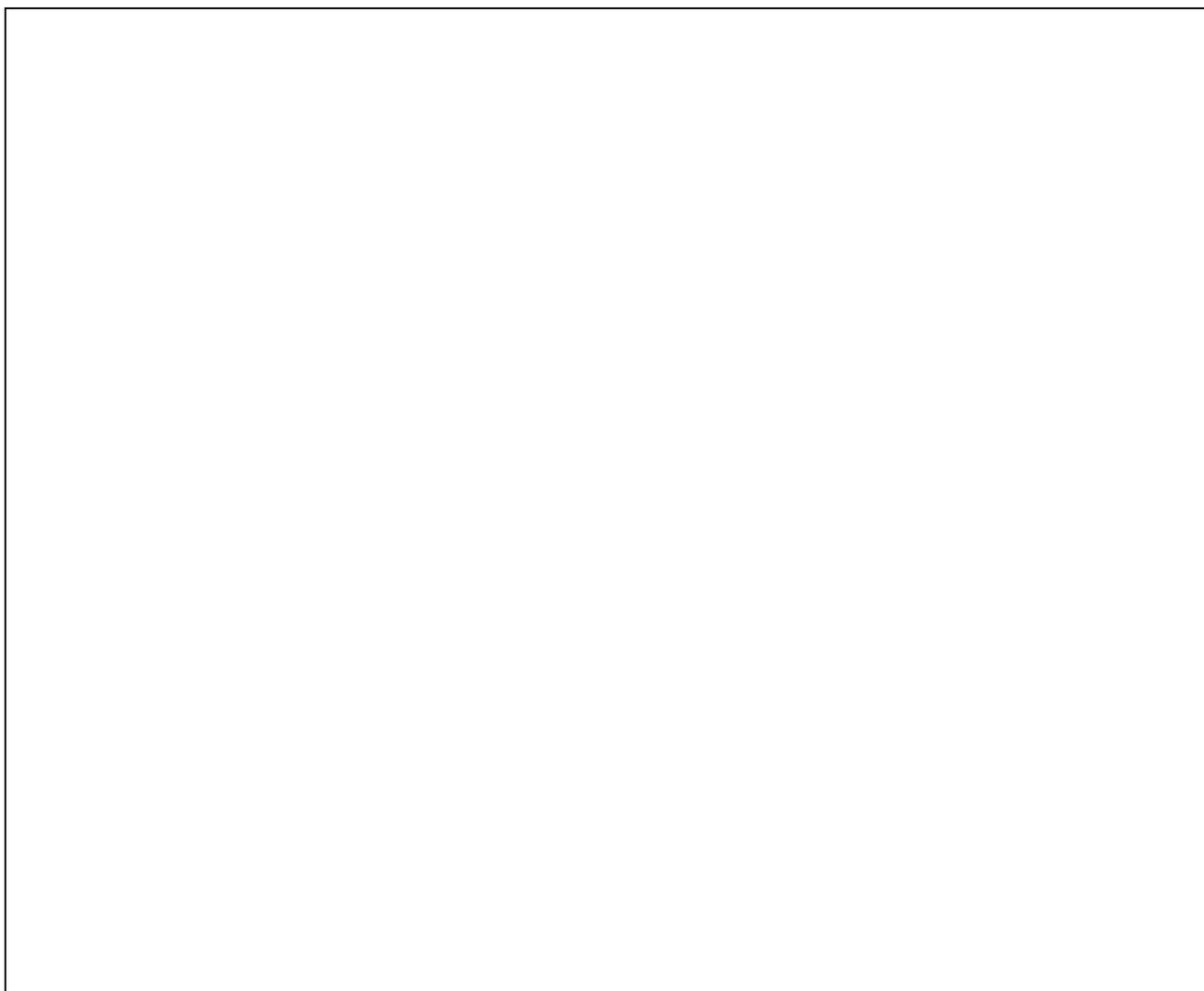
Fertilized area indicated with a "F"

Unfertilized area indicated with "UF"

*Area where the **main crop** has been **harvested** indicated by **hash lines (#)***

Describe the crop pattern in the notes section, or using the illustration if that is helpful

Label locations "A", "B", and "C"



Enumerator notes:

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Enumerator – Please answer each of the following questions for locations A, B & C

If a question cannot be answered, indicate why with the following codes:

-7=strip cropping (intercrops not present at this location)

-8= crop has been harvested and shelled or harvested and removed from the household

-9=crop is not ready to be harvested

Fertility HIGH

	Location A	Location B	Location C
C00-Has this location been fertilized ? (1=Yes; 2=No)			
C2- What is the spacing between ridges (center-to-center) in centimeters ?			
C90- How were crops mixed at this location? (1=Monocrop; 2=Intercrop; 3= Strip crop)			
Enumerator note – The main crop is (transfer F03a)_____	Location A	Location B	Location C
Main crop yield cuts (These question apply only to the crop in F03a):			
D5i- If the main crop was/is maize (F03a=1, 2 or 3) how many plants were standing in the 2-ridge X 2-meter area in this location? (If F03a>3, skip to E3i)			
D6b10i- What is the weight of ten (10) unshelled cobs that were harvested from this field? (If this cannot be done, use codes above)			
D8i- Weigh and remove a sample of three (3) cobs to measure grain moisture later (Place a label from the back page in a plastic bag inside sample and record weight here)			
E3i- If the main crop was/is a legume (F03a is within 6-12), how many plants were standing in the 1-ridge X 2-meter area in this location? (If the [6>F03a>12], skip to E10i)			
E4ai- What was/is the total number of pods that have been/will be harvested in a 1-ridge X 2-meter area? (If this cannot be done, use codes above)			
E4b50i- What is the weight of fifty (50) pods that were harvested from this field? (If this cannot be done, use codes above)			
E6i- Take a sample of nine (9) pods, shelled , to measure moisture later (Place a label from the back page in a plastic bag inside sample and record weight here)			
E10i- If the main crop was neither maize nor legume (F03a is within 13-19, or 99), how many plants were standing in the 1-ridge X 2-meter area in this location? (If the main crop was maize or a legume, skip to the primary intercrop yield cut table)			

	Location A	Location B	Location C
Enumerator note – The primary intercrop is (transfer F03b)_____			
Primary intercrop crop yield cuts (These question apply only to the crop in F03b):			
D5ii- If the primary intercrop was/is maize (F03b=1, 2 or 3) how many plants were standing in the 2-ridge X 2-meter area in this location? (If F03b>3, skip to E3ii)			
D6b10ii- What is the weight of ten (10) unshelled cobs that were harvested from this field? (If this cannot be done, use codes above)			
D8ii- Weigh and remove a sample of three (3) cobs to measure grain moisture later (Place a label from the back page in a plastic bag inside sample and record weight here)			
E3ii If the primary intercrop was/is a legume (F03b is within 6-12), how many plants were standing in the 1-ridge X 2-meter area? (If the [6>F03b>12], skip to E10ii)			
E4aii- What was/is the total number of pods that have been/will be harvested in a 1-ridge X 2-meter area? (If this cannot be done, use codes above)			
E4b50ii- What is the weight of fifty (50) pods that were harvested from this field? (If this cannot be done, use codes above)			
E6ii- Take a sample of nine (9) pods, shelled , to measure moisture later (Place a label from the back page in a plastic bag inside sample indicate with a check mark when done)			
E10ii- If the main crop was neither maize nor legume (F03b is within 13-19, or 99), how many plants were standing in the 1-ridge X 2-meter area in this location? (If the main crop was maize or a legume, skip to the primary intercrop yield cut table)			

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Enumerator – Please answer each of the following questions for locations A, B & C

If a question cannot be answered, indicate why with the following codes:

-7=strip cropping (intercrops not present at this location)

-8= crop has been harvested and shelled or harvested and removed from the household

-9=crop is not ready to be harvested

Fertility HIGH

Enumerator note – The second intercrop is (transfer F03c) _____

Second intercrop crop yield cuts (These question apply only to the crop in F03c):

	Location A	Location B	Location C
D5iii- If the primary intercrop was/is maize (F03c=1, 2 or 3) how many plants were standing in the 2-ridge X 2-meter area in this location? <i>(If F03c>3, skip to E3iii)</i>			
D6b10iii- What is the weight of ten (10) unshelled cobs that were harvested from this field? <i>(If this cannot be done, use codes above)</i>			
D8iii- Weigh and remove a sample of three (3) cobs to measure grain moisture later <i>(Place a label from the back page in a plastic bag inside sample and record weight here)</i>			
E3iii If the primary intercrop was/is a legume (F03c is within 6-12), how many plants were standing in the 1-ridge X 2-meter area? <i>(If the [6>F03c>12], skip to E10ii)</i>			
E4aiii- What was/is the total number of pods that have been/will be harvested in a 1-ridge X 2-meter area? <i>(If this cannot be done, use codes above)</i>			
E4b50iii- What is the weight of fifty (50) pods that were harvested from this field? <i>(If this cannot be done, use codes above)</i>			
E6iii- Take a sample of nine (9) pods, shelled , to measure moisture later <i>(Place a label from the back page in a plastic bag inside sample indicate with a check mark when done)</i>			
E10iii- If the main crop was neither maize nor legume (F03c is within 13-19, or 99), how many plants were standing in the 1-ridge X 2-meter area in this location? <i>(If the main crop was maize or a legume, skip to the primary intercrop yield cut table)</i>			

Weed Ratings

	Location A	Location B	Location C
H1- Is witch weed present on the ridges in this location? <i>(1=Yes; 2=No)</i>			
H2- Overall, do weeds (including witch weed) cover more, the same or less area on the ridges than soil? <i>(0=No weeds; 1=less; 2=same; 3=more)</i>			
H5- Is witch weed present in the furrow (between ridges) in this location? <i>(1=Yes; 2=No)</i>			
H6- Overall, do weeds (including witch weed) cover more, the same or less area in the furrow than soil? <i>(0=No weeds; 1=less; 2=same; 3=more)</i>			

Enumerator – The following questions apply to the whole plot- “Weeding” refers to pulling plants, banking or scraping the soil of weeds.

How many complete weedings have been done since this plot was planted?				
1=Jan	7=Jul	When was the first weeding completed? <i>(Use month codes)</i> (Leave blank if there were 0 weedings) <i>(Week=1, 2, 3 or 4)</i> Type of first weeding? <i>(1=pulling plants; 2=banking; 3=scraping)</i>	Month	
2=Feb	8=Aug		Week	
3=Mar	9=Sep		Type	
4=Apr	10=Oct	When was the second weeding completed? <i>(Use month codes)</i> (Leave blank if there was only 1 weeding) <i>(Week=1, 2, 3 or 4)</i> Type of second weeding? <i>(1=pulling plants; 2=banking; 3=scraping)</i>	Month	
5=May	11=Nov		Week	
6=Jun	12=Dec		Type	
		When was the third weeding completed? <i>(Use month codes)</i> (Leave blank if there was only 2 weedings) <i>(Week=1, 2, 3 or 4)</i> Type of third weeding? <i>(1=pulling plants; 2=banking; 3=scraping)</i>	Month	
			Week	
			Type	

Enumerator Notes:

Africa RISING Machinga, Malawi Post-Harvest Survey – May 2017

Fertility LOW

B1- Plot Name _____

lat- Plot Latitude	S						
long- Plot Longitude	E						

Area1- What is the total area of this field? (<i>Meters squared, as measured using the GPS unit</i>)		
Area3- What is the “represented” area in this field? (<i>Meters squared, as measured using the GPS unit</i>) <i>“Represented area” is maize area if all maize area is fertilized or all maize area is unfertilized.</i> <i>If partially fertilized, “represented area is the fertilized portion of maize area.</i> <i>If the primary crop is not maize, follow the above guidelines for the primary crop instead.</i>		
FP05- Were herbicides used on this plot during the 2016/2017 season? (1=Yes; 2=No)		
If FP05=2 (No), skip to FP06 FP05_spec - What type of herbicide was used (Specify)		
FP06- Were pesticides used on this plot during the 2016/2017 season? (1=Yes; 2=No)		
FP07- How much NPK (23:21:0+4S) was applied to this plot? <i>If NPK was not applied, enter “0” for QTY and skip to FP10 (See unit codes below)</i>	FP07-QTY	
	FP08-UNITS	
FP10- How much Urea was applied to this plot? <i>If Urea was not applied, enter “0” for QTY and skip to FP13) (See unit codes below)</i>	FP10-QTY	
	FP11-UNITS	
FP13- How much compost was applied to this plot? <i>If compost was not applied, enter “0” for QTY and skip to FP16) (See unit codes below)</i>	FP13-QTY	
	FP14-UNITS	
FP16- How much manure was applied to this plot? <i>If manure was not applied, enter “0” for QTY and skip to B3) (See unit codes below)</i>	FP16-QTY	
	FP17-UNITS	
FP19- How much other fertilizer was applied to this plot? <i>If manure was not applied, enter “0” for QTY and skip to B3) (See unit codes below)</i>	FP19-QTY	
	FP20-UNITS	
FP22- (If FP19=0, skip to next question) What was the name of the “other fertilizer”?		
FP00 - Was this plot rented out to another farmer? (1=Yes; 2=No)		
B3 - Enumerator, Which image best represents the slope of this plot? (See visual aid)		
B90- How were crops mixed on this field (1=Monocrop; 2=Intercrop; 3=Strip intercropping)		

Enumerator - Please ask the following for all crop types (not just those included in yield cuts)

F03a- What is the main crop planted for the 2017 (current) harvest? (See codes below)		
NV1-When did main crop planting start? (1=Jan; 2=Feb; 3=Mar...; 11=Nov; 12=Dec)	Month	
	Week	
		(For weeks enter 1, 2, 3 or 4)
F03a2- Has the main crop been completely harvested? (1=Yes; 2=No)		
F03a3- What is or will be the total main crop quantity harvested?	QTY	
	UNITS	
Were measured units shelled or unshelled? (0=NA; 1=shelled; 2=unshelled)	SHELL	
F03b- What is the primary intercrop planted for the 2017 (current) harvest? (See codes-Enter “0” if none)		
NV2-When did primary intercrop planting start? (1=Jan; 2=Feb; 3=Mar...; 11=Nov; 12=Dec)	Month	
	Week	
		(For weeks enter 1, 2, 3 or 4)
F03b2- Has the primary intercrop been completely harvested? (1=Yes; 2=No)		
F03b3- What is or will be the total primary intercrop quantity harvested?	QTY	
	UNITS	
Were measured units shelled or unshelled? (0=NA; 1=shelled; 2=unshelled)	SHELL	
F03c- What is the second intercrop planted for the 2017 (current) harvest? (See codes-Enter “0” if none)		
NV3-When did second intercrop planting start? (1=Jan; 2=Feb; 3=Mar...; 11=Nov; 12=Dec)	Month	
	Week	
		(For weeks enter 1, 2, 3 or 4)
F03c2- Has the second intercrop been completely harvested? (1=Yes; 2=No)		
F03c3- What is or will be the total second intercrop quantity harvested?	QTY	
	UNITS	
Were measured units shelled or unshelled? (0=NA; 1=shelled; 2=unshelled)	SHELL	

Crop codes: 0 = None 1=local maize 2=hybrid maize 3=OPV/Composite maize 4=tobacco 5=cotton	6=pigeonpea 7=groundnut 8=soya bean 9=common bean 10=velvet bean 11=cowpea 12=bambara nut	13=sorghum 14=cassava 15=sweet potato 16=Irish potato 17=millet 18=rice 19=pumpkin	20=Fallow 87=Virgin land 89=Used/owned by another farmer 99=Other (Specify)_____
Unit codes 1=kg 2=25 kg sacks 3=50 kg sacks 4=20L Bucket	5=5L pail 6=Ndiwo plate (about 0.5 kg) 7=Nsimu plate (about 1 kg)	8=18L Bucket 9=15L Bucket 10=10L pail 11=0x cart	12=Bunches 13=Heads/In total 99=Other (specify)

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Fertility LOW

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If the plot is partially fertilized, and all of the fertilized area has been harvested, take locations in the un-harvested areas (even if they have not been fertilized).

Roughly illustrate the plot in the space provided below. In the illustration, please show:

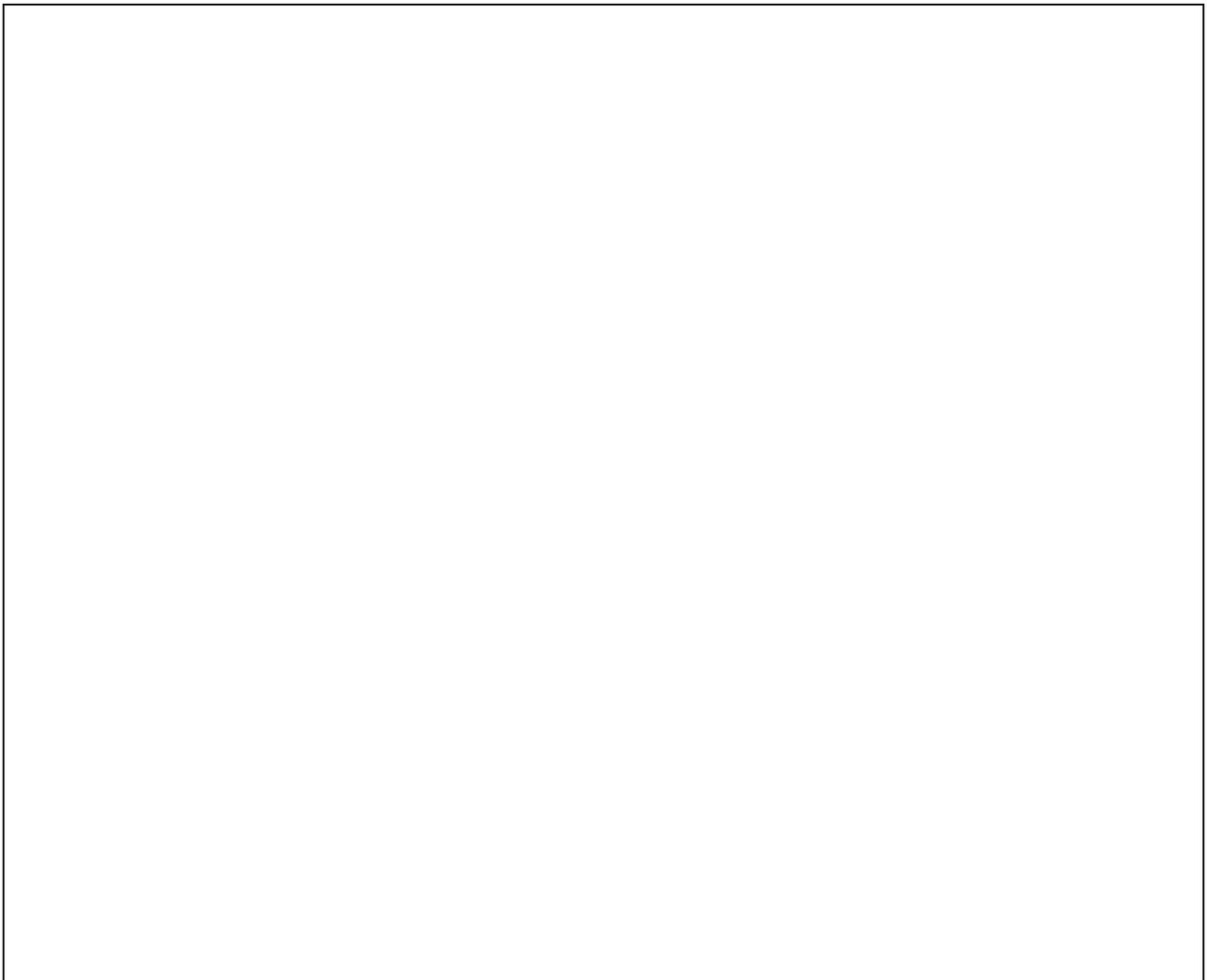
Fertilized area indicated with a "F"

Unfertilized area indicated with "UF"

*Area where the **main crop** has been **harvested** indicated by **hash lines (#)***

Describe the crop pattern in the notes section, or using the illustration if that is helpful

Label locations "A", "B", and "C"



Enumerator notes:

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Enumerator – Please answer each of the following questions for locations A, B & C

If a question cannot be answered, indicate why with the following codes:

-7=strip cropping (intercrops not present at this location)

-8= crop has been harvested and shelled or harvested and removed from the household

-9=crop is not ready to be harvested

Fertility LOW

	Location A	Location B	Location C
C00-Has this location been fertilized ? (1=Yes; 2=No)			
C2- What is the spacing between ridges (center-to-center) in centimeters ?			
C90- How were crops mixed at this location? (1=Monocrop; 2=Intercrop; 3= Strip crop)			
Enumerator note – The main crop is (transfer F03a)_____	Location A	Location B	Location C
Main crop yield cuts (These question apply only to the crop in F03a):			
D5i- If the main crop was/is maize (F03a=1, 2 or 3) how many plants were standing in the 2-ridge X 2-meter area in this location? (If F03a>3, skip to E3i)			
D6b10i- What is the weight of ten (10) unshelled cobs that were harvested from this field? (If this cannot be done, use codes above)			
D8i- Weigh and remove a sample of three (3) cobs to measure grain moisture later (Place a label from the back page in a plastic bag inside sample and record weight here)			
E3i- If the main crop was/is a legume (F03a is within 6-12), how many plants were standing in the 1-ridge X 2-meter area in this location? (If the [6>F03a>12], skip to E10i)			
E4ai- What was/is the total number of pods that have been/will be harvested in a 1-ridge X 2-meter area? (If this cannot be done, use codes above)			
E4b50i- What is the weight of fifty (50) pods that were harvested from this field? (If this cannot be done, use codes above)			
E6i- Take a sample of nine (9) pods, shelled , to measure moisture later (Place a label from the back page in a plastic bag inside sample and record weight here)			
E10i- If the main crop was neither maize nor legume (F03a is within 13-19, or 99), how many plants were standing in the 1-ridge X 2-meter area in this location? (If the main crop was maize or a legume, skip to the primary intercrop yield cut table)			

	Location A	Location B	Location C
Enumerator note – The primary intercrop is (transfer F03b)_____			
Primary intercrop crop yield cuts (These question apply only to the crop in F03b):			
D5ii- If the primary intercrop was/is maize (F03b=1, 2 or 3) how many plants were standing in the 2-ridge X 2-meter area in this location? (If F03b>3, skip to E3ii)			
D6b10ii- What is the weight of ten (10) unshelled cobs that were harvested from this field? (If this cannot be done, use codes above)			
D8ii- Weigh and remove a sample of three (3) cobs to measure grain moisture later (Place a label from the back page in a plastic bag inside sample and record weight here)			
E3ii If the primary intercrop was/is a legume (F03b is within 6-12), how many plants were standing in the 1-ridge X 2-meter area? (If the [6>F03b>12], skip to E10ii)			
E4aii- What was/is the total number of pods that have been/will be harvested in a 1-ridge X 2-meter area? (If this cannot be done, use codes above)			
E4b50ii- What is the weight of fifty (50) pods that were harvested from this field? (If this cannot be done, use codes above)			
E6ii- Take a sample of nine (9) pods, shelled , to measure moisture later (Place a label from the back page in a plastic bag inside sample indicate with a check mark when done)			
E10ii- If the main crop was neither maize nor legume (F03b is within 13-19, or 99), how many plants were standing in the 1-ridge X 2-meter area in this location? (If the main crop was maize or a legume, skip to the primary intercrop yield cut table)			

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Enumerator – Please answer each of the following questions for locations A, B & C

If a question cannot be answered, indicate why with the following codes:

-7=strip cropping (intercrops not present at this location)

-8= crop has been harvested and shelled or harvested and removed from the household

-9=crop is not ready to be harvested

Fertility LOW

Enumerator note – The second intercrop is (transfer F03c) _____

Second intercrop crop yield cuts (These question apply only to the crop in F03c):

	Location A	Location B	Location C
D5iii- If the primary intercrop was/is maize (F03c=1, 2 or 3) how many plants were standing in the 2-ridge X 2-meter area in this location? <i>(If F03c>3, skip to E3iii)</i>			
D6b10iii- What is the weight of ten (10) unshelled cobs that were harvested from this field? <i>(If this cannot be done, use codes above)</i>			
D8iii- Weigh and remove a sample of three (3) cobs to measure grain moisture later <i>(Place a label from the back page in a plastic bag inside sample and record weight here)</i>			
E3iii If the primary intercrop was/is a legume (F03c is within 6-12), how many plants were standing in the 1-ridge X 2-meter area? <i>(If the [6>F03c>12], skip to E10ii)</i>			
E4aiii- What was/is the total number of pods that have been/will be harvested in a 1-ridge X 2-meter area? <i>(If this cannot be done, use codes above)</i>			
E4b50iii- What is the weight of fifty (50) pods that were harvested from this field? <i>(If this cannot be done, use codes above)</i>			
E6iii- Take a sample of nine (9) pods, shelled , to measure moisture later <i>(Place a label from the back page in a plastic bag inside sample indicate with a check mark when done)</i>			
E10iii- If the main crop was neither maize nor legume (F03c is within 13-19, or 99), how many plants were standing in the 1-ridge X 2-meter area in this location? <i>(If the main crop was maize or a legume, skip to the primary intercrop yield cut table)</i>			

Weed Ratings

	Location A	Location B	Location C
H1- Is witch weed present on the ridges in this location? <i>(1=Yes; 2=No)</i>			
H2- Overall, do weeds (including witch weed) cover more, the same or less area on the ridges than soil? <i>(0=No weeds; 1=less; 2=same; 3=more)</i>			
H5- Is witch weed present in the furrow (between ridges) in this location? <i>(1=Yes; 2=No)</i>			
H6- Overall, do weeds (including witch weed) cover more, the same or less area in the furrow than soil? <i>(0=No weeds; 1=less; 2=same; 3=more)</i>			

Enumerator – The following questions apply to the whole plot- “Weeding” refers to pulling plants, banking or scraping the soil of weeds.

How many complete weedings have been done since this plot was planted?				
1=Jan	7=Jul	When was the first weeding completed? <i>(Use month codes)</i> (Leave blank if there were 0 weedings) <i>(Week=1, 2, 3 or 4)</i> Type of first weeding? <i>(1=pulling plants; 2=banking; 3=scraping)</i>	Month	
2=Feb	8=Aug		Week	
3=Mar	9=Sep		Type	
4=Apr	10=Oct	When was the second weeding completed? <i>(Use month codes)</i> (Leave blank if there was only 1 weeding) <i>(Week=1, 2, 3 or 4)</i> Type of second weeding? <i>(1=pulling plants; 2=banking; 3=scraping)</i>	Month	
5=May	11=Nov		Week	
6=Jun	12=Dec		Type	
		When was the third weeding completed? <i>(Use month codes)</i> (Leave blank if there was only 2 weedings) <i>(Week=1, 2, 3 or 4)</i> Type of third weeding? <i>(1=pulling plants; 2=banking; 3=scraping)</i>	Month	
			Week	
			Type	

Enumerator Notes:

Africa RISING Machinga, Malawi Post-Harvest Survey – May 2017

<p>Machinga Post-Harvest Survey – May 2017</p> <p>HHID_____</p> <p>Fertility (H/L/N)_____</p> <p>Crop code_____</p> <p>Tick one and circle: Main crop..... Primary intercrop..... Second intercrop.....</p>	<p>Machinga Post-Harvest Survey – May 2017</p> <p>HHID_____</p> <p>Fertility (H/L/N)_____</p> <p>Crop code_____</p> <p>Tick one and circle: Main crop..... Primary intercrop..... Second intercrop.....</p>
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