Farmer demand for quality seed and adoption of improved varieties:

The case of rice, legumes and oilseeds in the dry zone of Myanmar

ENUMERATOR INSTRUCTIONS. *DEFINITION: Respondent refers to the Lead Decision or co-Decision Maker for Agricultural Activities in the family*
First determine that the farmer meets the survey eligibility criteria, then read the complete information below to the respondent. Then ask the respondent if he/she has any questions, and answer these questions accordingly. If the respondent agrees to participate in the survey, please document their verbal informed consent prior to administering the questionnaire. If he/she disagrees, contact your field supervisor. If you cannot find your supervisor, continue on to the next interview.

Consent Statement

Hello. My name is _____ Enumerator code: _____ You are being asked to participate in a research study to understand farmer's adoption of different varieties of selected cereal, pulse, and oilseed crops, and demand for quality seeds of these varieties. This study is implemented by partners in the ISSD Myanmar programme, i.e. Wageningen University & Research Wageningen – Wageningen Centre for Development Innovation, Welthungerhilfe and the Department of Agriculture of the Ministry of Agriculture, Livestock and Irrigation of Myanmar, in collaboration with the Centre for Economic and Social Development, Michigan State University and the International Food Policy Research Institute.

If you participate in this study, you will, at no point, be under any obligation to make purchases of any kind. The information in this document is meant to help you decide whether or not to take part in this study. To make sure you are able to make a fully informed decision in this regard, please feel free to ask if you have any queries or concerns. You have been randomly selected for this study.

I would like to ask you some questions related to your crop production, use of inputs, seed and varietal use, and general characteristics of your household. As part of this study, I would also like to collect 20-30 seeds of each of the following crops, if you have been growing them on your farm for this past season or are planning to grow them in the next season — rice, black gram, mung bean, pigeon pea, chickpea, groundnut, sunflower and sesame. The information and seed samples you provide will be used to document the adoption of improved varieties and use of seed in this region, and identify factors that have contributed or that need to be addressed to increase the benefits for farmers from the adoption of improved varieties and quality seed. The interview will take approximately <60-90 minutes>. Your participation is voluntary. Your refusal to participate or to withdraw from the study carries no penalty or loss of any benefits. All information provided by you will be kept confidential. Your privacy will be protected to the maximum extent allowable by law.

Risks and inconveniences: We do not expect your participation in this study to pose any risk or inconvenience outside what might be expected during the normal course of activity.

Benefits: Your participation will help us, other organizations, and policy makers understand the demand for improved varieties and high quality seed.

Confidentiality: The study team will do all it can to ensure that information related to your private life is protected, including by conducting survey interviews in the privacy of your own home. By agreeing to participate in this study, you will be allowing the research team investigators, other study personnel, sponsors, institutional review board and any person or agency required by law to view your data, if required. However, your identity will not be revealed at any place, but instead your information will be represented by an identification number rather than by your actual name. At no point will your name be revealed.

We thank you for your co-operation. In case of any questions/conflicts, please contact a member of the survey staff, who will put you in touch with the research team. Alternatively, you may contact the following persons.

Contact person:_____; Phone number: _____ Date of Interview __ __ / __ __ /2018

A1. Household Identification

TAP "GPS LOCATION "ON TABLET

A101	A102	A103	A104	A105	A106	A107	A108	A109A	A109B	A110
EA Number	Household ID from listing	Region	Township	Village Tract	Village Name	Name of respondent	Did the HH agree to participate in the survey?	Distance to nearest paved road		In which year did this household start farming?
		5 Sagaing 8 Magway 9 Mandalay	50102 Myinmu 50301 Monywa 80101 Magway 80202 Pwintbyu 90202 Madaya 90301 Kyaukse				1 YES 2 NO	NUMBER	1 METERS 2 KMS	YYYY 96 Several generations ago 97 DNK

	A111	A112	A113
		Did you grow [.. crop .] during the past agricultural year?	When did you first plant this crop?
		1 Yes 2 No→next crop	YYYY
Rice	01		
Sesame	02		
Groundnut	03		
Sunflower	04		
Green gram	05		
Black gram	06		
Pigeon pea	07		
Chickpea	08		

GENERAL NOTES:

Responses of 97 or 9997 signify "DOES NOT KNOW" or "DOES NOT REMEMBER"

All "99-Other, specify" responses have been postcoded. Any remaining responses of "99" pertain to cases where no further specification was given, or where the response did not seem relevant.

NOTES, THIS SECTION

GPS coordinates were difficult to capture on tablet.

A110. A household head, if living in the parents' house (deceased or not) may answer in terms of the household's history from the time his/her parents (and even before that) formed the household and not necessarily when he started being the head of a household.

A111. We asked about other crops grown in general but did not cover those in detail to reduce interview time.

A2. Roster of Household Members

	A201	A202	A203	A204	A205	A206	A207	A208	A209	A210	A211	A212
							PERSONS 6 YEARS OLD OR OVER					
	Name	Relationship to head of household	Sex	Age com-pleted in years	Mark "1' if person is the respond ent	Mark "1' if person is primary male decisionmake r and "2" if primary female decision maker	Educational attainment	Can [name] read or write in any language?	In the past 12 months, did [.name.] do any salaried employme nt?	In the past 12 months, did [.name.] do any wage labor?	In the past 12 months, was [.name.] self-employed (nonfarm enterprise or resource extraction for sale)?	What was [.name.] 's primary occupation?
		1 Self 2 Spouse 3 Child 4 Grandchild 5 Parent/Parent-in-law 6 Sibling 7 Brother-/sister-in-law 8 Other relative 9 Other nonrelative	1 Male 2 Female	Years			0-None 77-Kindergarten 88-Other nongovernment education 1-Grade 1 2-Grade 2 : : 11-Grade 11 12 Undergraduate 13 Bachelor's 14 Postgraduate 15 Monastic education	1-Yes 2-No	1-Yes 2-No	1-Yes 2-No		CODES BELOW
1												
2												

NOTES

A205. Many interviews were carried out with more than one household member present.

A206. Some households have identified two or more decision makers. We have seen this in scoping work/pretest in the Dry Zone and other regions. Some decisions are done jointly by several members of the household. Also when an elderly parent is declared as the household head, a child who may be the de facto head will not declare himself/herself as a lone decision maker.

A208. Results differ from the READZS survey (maybe overestimated) but are actually closer to census figures.

A212
1 Agricultural farmer
2 Agricultural laborer
3 Non-agricultural laborer (permanent)
4 Non-agricultural lanorer (casual)
5 Craftsman
6 Professional or government job
7 Trader
8 Non-farm salaried employment
9 Self-employed nonfarm enterprise
10 Self-employed natural resource extraction
11 Student
12 Homemaker
13 Dependent
14 Unemployed, seeking work
15 Retired
16 Unpaid worker/volunteer
99 Other, sp.

B1. Housing

B101	B102	B103	B104	B105	B106	B107	B108	B109
How many rooms does the HH occupy, including bedrooms, living rooms, and rooms used for household businesses	What is the major construction material of the floor (observe, do not ask)?	What is the major construction material of the external (outer) walls (observe, do not ask)?	What is the major construction material of the roof (observe, do not ask)?	What type of stove is used most often for cooking food in the household?	What is the main source of drinking water during the dry season?	What is the main source of lighting?	Is household connected to the electricity grid?	Is any household member's main job connected with agriculture, hunting, forestry, fishery, mining, or quarrying?
(do not count toilets, kitchens, balconies, nor corridors)??	1 Earth/sand/palm 2 Bamboo or rudimentary wood 3 Baked brick/finished wood 4 Concrete 5 Tile 9 Other, specify	1 Thatch/ Palm leaves/ Tarpaulin 2 Bamboo or rudimentary wood 3 Baked brick/ finished wood 4 Concrete 5 Tile 9 Other, specify	1 Thatch/ Palm leaves/ Tarpaulin 2 Bamboo or rudimentary wood 3 Corrugated sheet 4 Baked brick, slate 5 Tile 9 Other, specify.	1 Open fire- charcoal or firewood 2 Improved stove using kerosene/ biofuel 3Improved stove using LPG 4 Improved stove using electricity 9 Other, specify	1 River/stream/ Canal 2 Pond/lake 3 Rainwater Collection 4 Tubewell/ Borehole 5 Bottled water 6 Public tap 7 Private tap 9 Other, specify.	1 Electricity 2 Kerosene 3 Candles 4 Battery 5 Generator 6 Solar panel 9 Other, specify	1 Yes 2 No	1 Yes 2 No

B2. Migration

B201	B202	B203	B204	B205	B206	B207
In the past 12 months did any member of your household migrate for work on a short-term basis (< 6 months)?	In the past 12 months did any member of your household migrate for work on a long-term basis (6 months or more)?	In the past 12 months did any member of your household receive international remittances ?	In the past 12 months did any member of your household receive domestic remittances ?	In the past 12 months did any member of your household receive any transfers in kind?	What is the farthest that you (respondent) have ever travelled?	What is the farthest that any member of your household has ever travelled?
1 Yes 2 No	1 Yes 2 No	1 Yes 2 No	1 Yes 2 No	1 Yes 2 No	CODES ON THE SIDE	CODES ON THE SIDE

B206, B207

1 Never left this village
2 A village/town in this township
3 A village/town in a neighbouring township within State/Region
4 Another State/Region
5 Yangon
6 Thailand
7 China
8 Another country in Asia
9 Middle East
10 Canada/Australia/ Europe/USA;
11 At Sea
99-Other, specify

B3. Assets and Livestock Ownership

B301	B302	B303	B301	B302	B303	B301	B302	B302B	B303
Item	Does the household own [..item..]? 1 Yes-> next item 2 No	Does the household have access to 1 Yes 2 No	Item	Does the household own [..item..]? 1 Yes-> next item 2 No	Does the household have access to 1 Yes 2 No	Item	Does the household own [..item..]? 1 Yes 2 No→ B303	How many do you own? SKIP TO NEXT ANIMAL AFTER ANSWERING	Does the household have access to 1 Yes 2 No
Combine harvester			Rice cooker			Draft animals			
Tractor			Radio			Large nondraft animals			
Thresher/Cutter/Reaper			Cupboard			Pigs			
Rice Mill			TV			Sheep/Goats			
Oil Mill			DVD Player			Chickens			
Trawlarjee			Refrigerator			Ducks/Geese			
Generator			AC/Washing machine						
Pumps			Smartphone						
Car			Other cellphone						
Truck			Solar panels						
Motorbike			Satellite dish						
Bicycle									
Boat									

C1. Landholdings

C101	C102		C103A	C103B	C104A	C104B	C105A	C105B	C106A	C106B	C107A	C107B
Do you own or rent a residential parcel?	What is the size of this parcel?		Apart from your residence how many parcels of land does your household own?	What is the size in acres of the parcels that you own?	How many of those parcels that you own are agricultural parcels?	What is the size in acres of the agricultural parcels that you own?	How many of agricultural parcels did you operate in the past agricultural year?	What is the size in acres of the agricultural parcels that you operated in the past agricultural year?	How many agricultural parcels did you rent-in or borrow in the past agricultural year?	What is the size in acres of the agricultural parcels that you rented-in or borrowed?	How many of the parcels that you rented in or borrowed did you operate in the past agricultural year?	What is the size in acres of the rented in/borrowed parcels that you operated in the past agricultural year?
1 Own 2 Rent 99 Other		1 Acre 2 Square Feet 3 Square Taung 9 Other, specify			IF ANSWER SAME AS C103A SKIP TO C105A		IF ANSWER SAME AS C103A SKIP TO C106A		IF 0 SKIP TO SECTION C2		IF 0 SKIP TO SECTION C2	
			0-30		0-30, max C103A		0-30, max C104A		0-30 BUT CANNOT BE 0 IF C103A+0		0-30, MAX C106A	

C2. Agricultural Parcels

ENUMERATOR: DRAW THE AGRICULTURAL PARCELS ON THE PAD THAT WILL BE PROVIDED TO YOU. TRANSFER INFORMATION TO TABLET AFTER COMPLETING THE DIAGRAM

C201	C202	C203		C204	C205	C206	C207	C208
Parcel No	Name of parcel	Size of the parcel		Does any part of the parcel have a Form 7? ?	What is the primary source of water for this parcel?	What is the type of soil?	What is the soil quality of this parcel?	Who manages the parcel?
			1 Acre 2 Square Feet 3 Square Taung	1 Yes 2 No 3 Yes, a subparcell 97 DNK,	1 Rainfall 2 Dam irrigation 3 Well/ Groundwater 4 River/Stream 99 Other, specify	1 Clay 2 Sandy 3 Sandy loam 4 Loam 99 Other, specify	1 Good 2 Fair 3 Poor	ID 95 More than 1 member of the household
1								
2								

D. Crops Cultivated in the Past Agricultural Year

1. Crops Cultivated in the Summer Season of 2017

D01A. Did your household cultivate any crops in the summer season of 2017? 1-Yes 2-No-> SKIP TO D02 |____| D01B How many acres did you cultivate in total |_____|

D100	D101	D102	D103	D104	D105	D106	D107A	D107B	D107C	D107D	D107E	D107F	D107G	D107H	D107I
		Did you grow [.. crop .] during the summer season of 2017?	How many varieties of the crop did you grow?	How many acres did you grow to crop across all plots in the summer season 2017?	On how many parcels did you plant [.crop.] during the summer season 2017?	Was [.crop.] intercropped or mixed-cropped in any of the parcels?	What percentage of cultivated area for the parcel was planted to [.crop.]? GUIDELINES FOR INFORMATION IN LINES TO BE GIVEN **WAS INFORMATION GIVEN IN 1-PERCENTAGES OR 2-A**CRES |_____| RESPONDENTS EITHER GIVE IN ACRES OR PERCENTAGES. CAN WE DISCUSS WHERE TO POSITION QUESTION LATER.								
		1 Yes 2 No→next crop	Warning if more than 5	Warning if more than 20 96 INSIGNIFICANT		1 Yes 2 No	PARCEL 1	PARCEL 2	PARCEL 3	PARCEL 4	PARCEL 5	PARCEL 6	PARCEL 7	PARCEL 8	PARCEL 9
Rice	01														
Sesame	02														
Groundnut	03														
Sunflower	04														
Green gram	05														
Black gram	06														
Pigeon pea	07														
Chickpea	08														
Other crops	09														
Other crops	10														

2. Crops Cultivated in the Monsoon Season of 2017

D02. Did your household cultivate any crops in the monsoon season of 2017? 1-Yes 2-No-> SKIP TO D03 |____|

Table similar to previous table Variable names D201-D107I, change Summer Season 2017 to monsoon 2017

3. Crops Cultivated in the Winter Season of 2017/18

D03. Did your household cultivate any crops in the winter season of 2017/18? 1-Yes 2-No-> SKIP TO SECTION E |____|

Table similar to previous table Variable names D301-D307I, change Summer Season 2017 to Winter Season 2017/2018

The enumerators all had a parcel notebook that had a clear template of information to be entered. Doing a notebook allowed the respondent to keep track of information reported on his parcel as he answers questions. The information on the parcel notebook (which crops are on which parcels) have not been digitized. They were not entered on tablet on the spot owing to the time it takes to enter information.

The parcel columns were used here by enumerators to sort out intercropping issues as needed.

E. Varieties Cultivated in the Past Agricultural Year

1. Varieties Cultivated in the Summer Season of 2017

E102	E103	E104	E105	E106A	E106B	E107	E108A	E108B	E109	E110
Crop	Variety serial no.	Varieties grown	What was the area planted to this variety during the [..Summer Season of 2017..]?	Seeding rate **per acre**		What was the seed source of this [.*variety*.] when you planted it the summer season of 2017	IF PURCHASED: What was the price of the seed purchased?		How long before you actually planted the seed did you purchase it?	Why did you not purchase the seed earlier than just before planting?
1-Rice 2-Sesame 3-Groundnut 4-Sunflower 5-Green gram 6-Black gram 7-Pigeon pea 8-Chickpea	This is the just the line number for variety	97 – DNK 99 – Other (List of varieties may be too long to scroll through. We can list most common Please open up 'other, specify' cell.	Acres	Quantity	Unit 1 Rice Basket 2 100 Baskets 3 Pyi 4 Bag (1.5 Bsk) 5 Bag (2.5 Pyi) 6 Viss 99 Other, spec.	CODES BELOW IF ANSWER IS 1,2 or >9, SKIP TO E115	KYATS	PER 1 Rice Basket 2 100 Baskets 3 Pyi 4 Bag (1.5 Bsk) 5 Bag (2.5 Pyi) 6 Viss 99 Other, specify	1 Just before planting 2 A few months before planting >E115 3-Soon after previous season's harvest >E115	1 I did not have cash to purchase the seed 2 I did not have seed storage facility 3 I did not want to take the risk of quality of seed deteriorating in storage 4 Seed was not available 99-Other (specify)
	1									
	2									

E107
0 Saved from previous harvest
1 Freely received from neighbors or relatives
2 Purchased from seed company
3 Purchased from neighbor farmers
4 Purchased from seed input supplier
5 Purchased from local market/trader
6 Purchased from farmer-seed producer
7 Purchased from organization-seed producer
8 Purchased from NGO
9 Purchased from Gov't
10 Freely received from Gov't
11 Freely received from NGO
12 Freely received from others, spec.
97 Does not know/remember
99 Other, specify

E102	E103	E115	E116	E117	E118	E119A	E119B	E119C	E119D
Crop	Variety serial no.	Did you have any losses **pre**-harvest for this [.*variety*.]?	What were the reasons for pre-harvest losses	Did you have any losses pre-harvest for this [.*variety*.]?	What were the reasons for **post**-harvest losses?	What was the quantity of *[.variety*.] you harvested during the summer season of 2017?			
1-Rice 2-Sesame 3-Groundnut 4-Sunflower 5-Green gram 6-Black gram 7-Pigeon pea 8-Chickpea		1 Yes 2 No	CODES ON THE SIDE	1 Yes 2 No	CODES ON THE SIDE	QUANTITY **SKIP TO NEXT CROP IF ZERO**	UNIT 1 Rice Basket 2 100 Baskets 3 Pyi 4 Bag (1.5 Bsk) 5 Bag (2.5 Pyi) 6 Viss 99 Other, spec	PER … 1 Acre 2 Total area	STATE 1 Fresh 2 Dried with shell 3 Dried w/o shell 4 Oil
	1								
	2								
D101									

E116. E118

1 Flooding
2 Lack of rains
3 Excessive rains
4 Pests
5 Diseases
6 Wild animals
7 Fires
8 Extreme temperatures
9 Spoilage
99 Other, specify

NOTES

E105. The basis of this information was area declared by the household. In general, households in the Dry Zone have titles to their land and respondents are familiar with the size of their parcels though they may round off.

E. Varieties Cultivated in the Past Agricultural Year, By Season, *continued*

1. Varieties Cultivated in the Summer Season of 2017, *continued*

E102	E103	E120A	E120B	E120D	E121A	E121B	E121D	E122A	E122B	E122D	E123A	E123B
Crop	Variety serial no.	Of the amount you harvested, what was the quantity of *[.variety.]* that you sold?			What was the price of your major sale of this variety? STATE			What was the quantity of *[.variety.]* that you kept for own-consumption?			What was the quantity of *[.variety.]* harvested that you kept as seed? STATE - DRIED ONLY	
1-Rice 2-Sesame 3-Groundnut 4-Sunflower 5-Green gram 6-Black gram 7-Pigeon pea 8-Chickpea		Quantity **SKIP TO E121A IF ZERO**	UNIT 1 Rice Basket 2 100 Baskets 3 Pyi 4 Bag (1.5Bsk) 5 Bag (2.5 Pyi) 6 Viss 7 Barrel 8 10-gallon 9 5-gallon 10 3-gallon 99 Other, speci.	STATE 1 Fresh 2 Dried with shell 3 Dried w/o shell 4 Oil l	Unit 1 Rice Basket 2 100 Baskets 3 Pyi 4 Bag (1.5Bsk) 5 Bag (2.5 Pyi) 99 Other, specify	UNIT 1 Rice Basket 2 100 Baskets 3 Pyi 4 Bag (1.5Bsk) 5 Bag (2.5 Pyi) 6 Viss 7 Barrel 8 10-gallon 9 5-gallon 10 3-gallon 99 Other, spec	STATE 1 Fresh 2 Dried with shell 3 Dried w/o shell 4 Oil	Quantity **SKIP TO E123A IF ZERO**	UNIT 1 Rice Basket 2 100 Baskets 3 Pyi 4 Bag (1.5 Bsk) 5 Bag (2.5 Pyi) 99 Other, specify	STATE 1 Fresh 2 Dried with shell 3 Dried w/o shell 4 Oil	Quantity **SKIP TO NEXT VARIETY44**	UNIT 1 Rice Basket 2 100 Baskets 3 Pyi 4 Bag (1.5Bsk) 5 Bag (2.5 Pyi) 6 Viss 7 Barrel 8 10-gallon 9 5-gallon 10 3-gallon 99 Other, spec
	1											
	2											

NOTES

1. A variable E123D was added for the state in which the seed was reported.

The following codes were used:

2 Seed with shell/ husk
3 Seed w/o shell/ husk

2. Varieties Cultivated in the Monsoon Season of 2017

Table similar to previous table Variable names E201 to E223B, change Summer Season 2017 to Monsoon 2017

3. Varieties Cultivated in the Winter Season of 2017/18

Table similar to previous table: Variable name E301 to E323B, change Monsoon Season 2017 to Winter 2017/18

NOTES

2.There are no specific columns to put production stocks that households still expect to sell, remain unsold, or are intended as gifts such that the quantity of production minus the sum of the quantities sold, reserved for own consumption and seed, result in positive amounts. The high levels also recorded for quantity reserved for own-consumption suggest that the unsold or inventory have been recorded in this column.

3.For oilseeds, the conversion to oil depends on the oil content and quality of the seed, variety. It is especially variable in the case of groundnuts. The constant conversion factor may not be the one that applied to the household.

F. Varieties Cultivated in the Past Agricultural Year

1. VARIETIES USED UNIQUE VARIETY NAMES REGARDLESS OF HOW MANY TIMES THIS WAS PLANTED IN THE PAST 3 SEASONS

F101	F102	F103	F104	F105	F106	F107	F108A	F108B	F109	F110A	F110B	F110C
Crop	Variety **code**	You mentioned that you cultivated [E104, E204, E304] varieties of the crop [D101] in the past agricultural year…	Who in the household chose this variety?	When did HH first become aware of this [.*variety*.]?	How did HH become aware of this [.*variety*.]?	When did HH first use this [.*variety*.] on your farm?	What were the main reasons for making the decision to use [.*variety*.] when you first used it on your farm?		What was the seed source of this [.*variety*.] when you first used it?	Was the seed …?		
1-Rice 2-Sesame 3-Groundnut 4-Sunflower 5-Green gram 6-Black gram 7-Pigeon pea 8-Chickpea			ID 95 More than 1 HH member 96 From outside the HH	YEAR	CODES BELOW	YEAR	1st Reason CODES BELOW	2nd Reason CODES BELOW	CODES BELOW	PACKAGED 1 Yes 2 No	LABELLED 1 Yes 2 No	CERTIFIED 1 Yes 2 No
	1											
	2											

F101	F102	F111A	F111B	F111C	F112A	F112B	F112C
Crop	Variety **code**	What are the characteristics of this variety that you like the most? CODES ON THE SIDE; 98-N/A			What are the characteristics of this variety that you dislike the most? CODES ON THE SIDE; 98-N/A		
		1st	2nd	3rd	1st	2nd	3rd
	1						
	2						

F111
1=high yield
2=Insect/disease resistant
3=Drought tolerant
4=Flood tolerant
5=Early maturity/crop cycle
6= ?
7=Easy soil growing conditions
8=good texture
9=Size, color, shape
10=good taste,
11= high processing quality
12=high market demand
13-Need less fertilizer
14-Easily threshed
98 N/A
99=Others (Specify)

F112
1= Low yield
2=Insect/disease sensitiveness
3=Drought sensitiveness
4=Flood sensitiveness
5=Late maturity/crop cycle
6=
7=difficult soil growing conditions
8=poor texture
9=Size, colour, shape
10= bad taste
11=low Processing quality
12=low market demand
13-Need much fertilizer
19= difficult to thresh
98 N/A
99=Others (Specify)

F106

1 Observed in another farmer's field
2 Observed in a demonstration plot organized by extension officer
3 Observed in a demonstration plot organized by DAR/government
4 Heard from agent of seed company
5 Heard from trader
6 Read in newspaper or magazine
7 Radio/TV
8 Internet
9 NGO/Project
98 Does not know/remember
99 Other, specify

F108A, F108B

1 Higher yields
2 Market considerations/ Promoted by traders
3 No other varieties available
4 Promoted by neighbors
5 Promoted by government
6 Tradition of growing this variety
7 Variety is suitable for farm conditions
8 Cannot afford other available varieties
9 Do not know of any other varieties
97 Not applicable (use only for Reason 2)
98 Does not know
99 Other, specify

F109
0 Saved from previous harvest
1 Freely received from neighbors or relatives
2 Purchased from seed company
3 Purchased from neighbor farmers
4 Purchased from seed input supplier
5 Purchased from local market/trader
6 Purchased from farmer-seed producer
7 Purchased from organization-seed producer
8 Purchased from NGO
9 Purchased from Gov't
10 Freely received from Gov't
11 Freely received from NGO
12 Freely received from others, spec.
97 Does not know/remember
99 Other, specify

F. Varieties Cultivated in the Past Agricultural Year, continued

F207 WAS TRANSLATED IN THE BURMESE AS "HOW OFTEN DO YOU REPLACE/REPLENISH THE SEED STOCK OF THIS [VARIETY]?

2. SEED REPLACEMENT

F101	F102	F203	F204	F205	F206A	F206B	F206C	F207	F208	F209
Crop	Variety serial no.	Since you first acquired this [*variety*], have you ever replaced/ replenished your seed stock??	When was the last time you replaced/ replenished your seed stock for this [variety]?	What was the source of your last replenishment?	Was the seed …?			How often do you intend to replace/ replenish the seed stock of this [variety]?	What is the main reason for replacing the seed stock of this variety at this frequency?	Why do you not replace the seed stock of [*variety*] more often than you have indicated? SKIP IF F207=1 or 2
1-Rice 2-Sesame 3-Groundnut 4-Sunflower 5-Green gram 6-Black gram 7-Pigeon pea 8-Chickpea		1 Yes 2 No 97 Does not know 98 N/A – Never replaced/ replenished since first used 97, 98→ SKIP TO F207	YEAR MAY RESPOND X YEARS AGO	CODES ON FOLLOWING PAGE	PACKAGED 1 Yes 2 No	LABELLED 1 Yes 2 No	CERTIFIED 1 Yes 2 No	1 Every planting season 2 Every year 3 Every 2 years 4 Every 3 years 5 Every 4 years 6 Every 5 or more years 7 No intention of replacing seed 8 When seed quality deteriorates 97 Does not know 99 Other, specify	1 No saved seed 2 Quality of seed deteriorates over time 3 Lack of storage facility 4 Extension advice 5 Village practice 99 Other, specify	1 No need 2 Too expensive 3 Do not trust seed from outside 4 Seed not available 5 Cannot maintain good quality seed 6 No benefit in frequent replacement 7 Minimum quantity sold is more than I need 99 Other, specify
	1									
	2									

CODE 5 REFERS TO 'LACK OF KNOWLEDGE IN HANDLING SEED FROM OTHER SOURCE (IN PRETESTS, THIS USUALLY REFERRED TO SEED PROMOTED BY OTHERS)

3. SEED QUALITY AND ACCESS TO GOOD QUALITY SEED

F101	F102	F301	F302	F303	F304A	F304B	F305A	F305B	F305C	F306	F307
Crop	Variety serial no.	How would you rate the **quality** of the seed of [*variety*] you last planted in terms of **purity (of the batch)?**	How would you rate the **quality** of the seed of [*variety*] you last planted in terms of **germination**?	How would you rate the **quality** of the seed of [*variety*] you planted in terms of **uniformity of plant growth**?	What was the highest price you ever paid for the seed of this [*variety*]? REFERENCE PERIOD PAST 12 MONTHS		Was the seed …?			What was the seed source of this [.*variety*.] of the highest priced seed?	How would you rate the quality of that seed for which you paid the highest price?
		1 High 2 Medium 3 Low	1 High 2 Medium 3 Low	1 High 2 Medium 3 Low	Kyats 97 DNK 98 N/A – never paid 97,98 SKIP TO F308	<u>PER</u> 1 Rice Basket 2 100 Baskets 3 Pyi 4 Bag (1.5 Bsk) 5 Bag (2.5 Pyi) 6 Viss 99 Other, specify	PACKAGED 1 Yes 2 No	LABELLED 1 Yes 2 No	CERTIFIED 1 Yes 2 No	CODES ON FOLLOWING PAGE	1 Excellent 2 Good 3 Fair 4 Poor/Bad 5 Very Poor/Bad
1	1										
1	2										

F. Varieties Cultivated in the Past Agricultural Year, continued

3. SEED QUALITY AND ACCESS TO GOOD QUALITY SEED, continued

F101	F102	F308	F309	F310	F311	F312A	F312b	F313A	F313B	F314A	F314B
Crop	Variety serial no.	Do you have easy access to good quality seeds of this [.*variety*.] if you wanted to purchase it?	Where would you purchase good quality seed of this [*variety*]?	Are you planning to grow this [*variety*] again?	What would be the source of seed the next time you plant this [*variety*]	What is the current purchase price of the seed of this [*variety*]?		What was the highest purchase price of the seed of this [*variety*] in the past 12 months		In which month was the seed price of this variety highest and lowest in the past 12 months?	
1-Rice 2-Sesame 3-Groundnut 4-Sunflower 5-Green gram 6-Black gram 7-Pigeon pea 8-Chickpea		1 Yes 2 No->F310 97 DNK	CODES BELOW	1 Yes 2 No→ F312A 97 DNK	CODES BELOW	Kyats 97 DOES NOT KNOW SKIP TO F313A	PER 1 Rice Basket 2 100 Baskets 3 Pyi 4 Bag (1.5 Bsk) 5 Bag (2.5 Viss) 6 Viss 99 Other, specify	Kyats 97 DOES NOT KNOW SKIP TO F308	PER 1 Rice Basket 2 100 Baskets 3 Pyi 4 Bag (1.5 Bsk) 5 Bag (2.5 Viss) 6 Viss 99 Other, specify	1 January 2 February : 12 December 96 Price did not vary 97 Does not know 98 N/A HIGHEST	1 January 2 February : 12 December 96 Price did not vary 97 Does not know 98 N/A LOWEST
	1										
	2										

F205, F309, F311
0 Saved from previous harvest
1 Freely received from neighbors or relatives
2 Purchased from seed company
3 Purchased from neighbor farmers
4 Purchased from seed input supplier
5 Purchased from local market/trader
6 Purchased from farmer-seed producer
7 Purchased from organization-seed producer
8 Purchased from NGO
9 Purchased from Gov't
10 Freely received from Gov't
11 Freely received from NGO
12 Freely received from others, spec.
97 Does not know/remember
99 Other, specify

F. Varieties Cultivated in the Past Agricultural Year, continued

4. PERCEPTION OF SEED IDENTITY AND SEED SAMPLE FOR DNA FINGERPRINTING

F101	F102	F401	F402	F403	F404	F405	F406
Crop 1-Rice 2-Sesame 3-Groundnut 4-Sunflower 5-Green gram 6-Black gram 7-Pigeon pea 8-Chickpea	Variety	Tell me, is this an improved/ modern variety or a traditional/local variety?	Level of trust and confidence you have that this variety is *<variety name>,* which is indeed an improved variety	We plan to do some laboratory test to find out whether this is an improved variety of the name you have indicated. Tell me what would you do differently if this test indicates that the seeds you had planted were not an improved variety but were a traditional variety?	What would you do differently if our test indicates that the seeds you had planted were an improved variety but has a different name; It is not *<variety name>*?	We plan to do some laboratory test to find out whether this is a traditional variety or not. Tell me what would you do differently if our test indicates that the seeds you had planted were not a traditional variety, but were an improved variety?	Do you plan to use this variety in the next planting season for this crop?
		1-Improved 2 Probably improved 3 Probably traditional>F405 4Traditional >F405 5 Improved variety that has been used for many years 77-Don't know	1-Full confidence 2-Somewhat confident 3-Somewhat not-confident 4-Not at all confident 99-Don't know; no opinion	1-I would not do anything differently 2-I would put less purchased inputs 3-I would put more purchased inputs 4 Change my crop management practices 5-I would stop growing this variety 6-I would grow more of this variety 99-Other (specify)	1-I would not do anything differently 2-I would put less purchased inputs 3-I would put more purchased inputs 4 Change my crop management practices 5-I would stop growing this variety 6-I would grow more of this variety 99-Other (specify)	1-I would not do anything differently 2-I would put less purchased inputs 3-I would put more purchased inputs 4 Change my crop management practices 5-I would stop growing this variety 6-I would grow more of this variety 99-Other (specify)	1-Yes 2-No 97 DNK

5. USE OF INPUTS

F101	F102	F407A	F407B	F408	F409	F410	F411A	F411B
Crop 1-Rice 2-Sesame 3-Groundnut 4-Sunflower 5-Green gram 6-Black gram 7-Pigeon pea 8-Chickpea	Variety	Did you use chemical fertilizer on [.variety.]?	Did you use organic fertilizer on [.variety.]?	Did you use pestricides on [.variety.]?	Did you use herbicides on [.variety.]?	Did you use hired labor on [.variety.]?	Did you use farm machinery on [.variety.]?	Did you use animal traction on [.variety.]?
		1-Yes 2-No	1-Yes 2-No	1-Yes 2-No	1-Yes 2-No	1-Yes 2-No	1-Yes 2-No	1-Yes 2-No

G. Varieties No Longer Grown

G101	G102	G101	G102
Crop	Have you ever used a [..crop..] variety that you have stopped planting? 1 Yes 2 No 3 No, never planted [crop]	Crop	Have you ever used a [..crop..] variety that you have stopped planting? 1 Yes 2 No 3 No, never planted [crop]
01 Rice		05 Green gram	
02 Sesame		06 Black gram	
03 Groundnut		07 Pigeon pea	
04 Sunflower		08 Chick pea	

G103	G104	G105	G106A, G106B, G106C		
Crop	What was the name of the variety that you have stopped using?	In what year did you stop using this variety?	For what reasons did you stop using this variety		
1-Rice 2-Sesame 3-Groundnut 4-Sunflower 5-Green gram 6-Black gram 7-Pigeon pea 8-Chickpea	Name of variety 97 DOES NOT KNOW 99 OTHER, SPECIFY	YEAR	1 Low yield 2 Susceptible to diseases 3 Susceptible to pests 4 Decreased market demand 5 Found better alternative variety 6 Seed not available 7 Variety not suitable for soil growing conditions 8 High input requirements (incl labor) 9 Lack of access to land 98 N/A 99 Other, specify		
			1st reason	2nd reason	3rd reason

NOTE:

This section was implemented at the crop-level instead of variety-level.

H. Input Costs

H400	H101	H102		H103		H104		H105		H106		H107
		How much in total you paid out for inputs, machinery for [.crop.] in the past year?		ASK, IF RESPONDENT CANNOT ANSWER H102 How much in total you paid for use of agricultural machinery for [.crop.] in the past year?		How much in total you paid for fertilizers, pesticides and herbicides for [.crop.] in the past year?		How much in total you paid for hired labor for [.crop.] in the past year?		How much in total you paid in other costs for [.crop.] in the past year?		DID THE RESPONDENT REPORT ON A PER ACRE BASIS OR FOR TOTAL ACREAGE
		97 CANNOT TELL TOTAL	1 Kyat 2 Lakh Kyat	97 DNK	1 Kyat 2 Lakh Kyat	97 DNK	1 Kyat 2 Lakh Kyat	97 DNK	1 Kyat 2 Lakh Kyat	97 DNK	1 Kyat 2 Lakh Kyat	1 Per Acre 2 Total

Section I. Seed Sources

	I101A	1101B	I101	I101	1101E	I102A	1102	I102	1102	1102E	I103A	1103	I103	I103	1103E
Crop	Have you ever used or purchased seed for [..crop..] from an **agro-dealer/ input supplier** ?	Was the seed…			Why not?	Have you ever used or purchased seed from a producer or a farmer group that is trained to produce seed	Was the seed…			Why not?	Have you ever used or purchased seed a govern-ment seed farm ?	Was the seed…			Why not?
	1 Yes 2 No>I102A	PACKAGED 1 Yes 2 No	LABELLED 1 Yes 2 No	CERTIFIED 1 Yes 2 No	CODES TO THE SIDE	1 Yes 2 No>I104A	PACKAGED 1 Yes 2 No	LABELLED 1 Yes 2 No	CERTIFIED 1 Yes 2 No	CODES TO THE SIDE	1 Yes 2 No>I106A	PACKAGED 1 Yes 2 No	LABELLED 1 Yes 2 No	CERTIFIED 1 Yes 2 No	CODES TO THE SIDE

I101E,I102E,I103E, I104E, I105E, I106E

1 No access
2 Have better seed source
3 Expensive
4 Do not trust seed quality/source
5 Not aware of this type of seed source
6 Seed not available when needed
99 Other, specify

	I104A	1104B	I104C	I104D	1104E	I105A	1105B	I105C	1105D	1105E	I105A	1105B	I105C	I105D	1105E	I111	I112
Crop	Have you ever used or purchased from a trader	Was the seed…			Why not?	Have you ever used or purchased seed from a grain vendor in the market	Was the seed…			Why not?	Have you ever used or purchased seed from an NGO or a developme nt program	Was the seed…			Why not?	Do you plan to use certified seed next time you plant [crop]?	Why not?
	1 Yes 2 No>I105A	PACKAGED 1 Yes 2 No	LABELLED 1 Yes 2 No	CERTIFIED 1 Yes 2 No	CODES TO THE SIDE	1 Yes 2 No>I106A	PACKAGED 1 Yes 2 No	LABELLED 1 Yes 2 No	CERTIFIED 1 Yes 2 No	CODES TO THE SIDE	1 Yes 2 No>I107A	PACKAGED 1 Yes 2 No	LABELLED 1 Yes 2 No	CERTIFIED 1 Yes 2 No	CODES TO THE SIDE	1 Yes→ next Section 2 No 97 DNK	CODES BELOW

I112

1-Distance to the nearest shop to buy quality seed
2-Don't know where to buy it
3-Lack money to buy quality seed (too expensive)
3-Lack of credit to buy quality seed
4-Lack of labor to plant quality seed
5-Lack of adequate amount of land (no access to land)
6-Quality seed is not worth the price
7-Quality seed cannot be replanted
8-Lack of information about the benefits of quality seed
9-Distrust related to certification label
10-Inadequate package size
11-Seed not in the market at the time of planting
12-Low quality of the soil
13-No relevant answer (respondent is talking about grain)
99-Others (specify)

J. Extension

J01A	J01B	J01C	J01D	J01E	J01F	J01G	J01H	J01I	J02A	J02B	J03A	J03B	J03C	J03D	J03E	J03F	J03G	J04
In the past 12 months, did anyone in your household receive extension information specifically related to seed from [.. source..]? 1 Yes 2 No									In the past 12 months did your household receive the information by going to a [*.event*.]?		IF ANSWER TO J01 AND J02 ARE ALL "2", SKIP TO J04 Did you receive information about [..topic..]? 1 Yes 2 No							Has anyone in your HH ever attended a training program related to quality seed production, storage, marketing, etc.?
Government extension worker	NGO staff	Agro-dealer	Seed company	Farmer group/ leader farmer	Trader/ Service provider	Internet	Radio/ TV/ Publication	Other sources, specify	demonstration plot or attending a *field day*	trade show, seed event or agricultural fair?	Awareness of value of using quality seed	Seed outlets	New varieties	Selection of quality seed from harvest	Seed storage	How to plant seed	Other, specify	1 Yes 2 No

J05A	J05B	J05C	J05D	J05E	J05F	J05G	J05H	J05I	J06	J07	J08
In the past 12 months, did anyone in your household receive agricultural extension information **not related to seed** from [.. source..]? 1 Yes 2 No									In total, approximately **how many times** did you receive information about crop production and marketing last year from all these sources?	Did anyone in your household participate in any other type of agricultural training in the past 3 years?	Did anyone in your household use a mobile phone to access agricultural information or crop prices on the internet?
Government extension worker	NGO staff	Agro-dealer	Seed company	Farmer group/ leader farmer	Trader/ Service provider	Internet	Radio/ TV/ Publication	Other sources, specify	1=1-2 times 2=2-3 times 3=3-5 times 4=5-10 times, 5=More than 10 times	1 Yes 2 No	1 Yes 2 No

K. Credit, Climate Change

K101	K102		K103	K104	K105A	K105B	K105C	K105D	K105E	K105F	K105G	K105H	K105I
In the past 12 months, did your household access credit for agricultural production?	What type of credit did you have access to?		Does any member of your household have a bank account?	Do you see any changes in the weather patterns in the last 10 years?	What types of changes have you seen? 1 Yes 2 No (or mark all that apply)								
1 Yes 2 No->	1 MADB Credit 2 Other formal source 3 Informal sources 9 Other, specify 1st	2nd	1 Yes 2 No	1 Yes 2 No→ NEXT SECTION	More rainfall	Less rainfall	Early start of rainy season	Late start of rainy seaon	Shorter rainy season	Longer rainy season	Higher temperatures	Lower temperatures	Other, specify

L: Varietal Trait Preferences and Farmers' Willingness to Pay L101 **Crop** |_____|

Enumerator: PLEASE READ THIS INSTRUCTIONS TO THE RESPONDENT: ***We would now like to ask you about your preferences for varietal characteristics for [..CROP..] to guide breeding research and future development of new and improved varieties. We would like to know which characteristics you prefer that researchers should target in their breeding*** **programs. I am going to read you the characteristics and ask you to put them in order of their importanc to you. AFTER READING (SHOWING CARDS) ASK IF THERE ARE OTHER CHARACTERISTICS YOU MAY HAVE MISSED.**

1 RANKING OF PREFERENCES

	L102	
	WRITE THE CODES OF THE CHARAC-TERISTICS IN ORDER OF IMPORTANCE	CHARACTERISTICS
First		1 Seed color, size, appearance 2. Tolerance to climatic stresses (e.g., drought, flood) 3. Resistance to field pests and diseases 4. Resistance to storage pests or mold 5. Cooking quality, taste, aroma 6 Grain yield 7.Maturity/Crop Cycle 8.Low input requirements/Easy to grow 9.Nutritional quality 10 Processing quality (e.g., oil content) 11 Other 1
Second		
Third		
Fourth		
Fifth		
Sixth		
Seventh		
Eighth		
Ninth		
Tenth		
Eleventh		

NOTE:

When code '11' is in the 11th position, it usually does not pertain to any other characteristic.

2 WILLINGNESS TO PAY FOR VARIETAL TRAITS (HYPOTHETICAL)

L201		L202		L203	L204		L205	L206
What is the current price of the seed of this crop?		What is the maximum you would be **willing to pay for the seed** of a variety that has your **most preferred/ desirable varietal traits**? INDICATE TOP THREE		IF ANSWER TO L202 <= L201 Why are you not willing to pay more more?	What quantity of seed would you purchase at that price?		What is the size in acres that could be seeded with the amount of seed you would purchase at	How often would you purchase **fresh seed** for planting purpose of a variety that has these desired characteristics?
KYATS	PER 1 Rice Basket 2 100 Baskets 3 Pyi 4 Bag (1.5 Bsk) 5 Bag (2.5 Viss) 6 Viss 99 Other, specify	KYATS	PER 1 Rice Basket 2 100 Baskets 3 Pyi 4 Bag (1.5 Bsk) 5 Bag (2.5 Viss) 6 Viss 99 Other, specify	1 Cash consraints 2 Prefer to use own seed 3 Prefer to see demo field first 4 Prefer to see other farmers use it first 99 Other, specify	QUANTITY	PER 1 Rice Basket 2 100 Baskets 3 Pyi 4 Bag (1.5 Bsk) 5 Bag (2.5 Viss) 6 Viss 99 Other, specify	ACRES	1 Every planting season 2 Every year 3 Every 2 years 4 Every 3 years 5 Every 4 years 6 Every 5 or more years 7 No intention of replacing seed 8 When seed quality deteriorates 97 Does not know 99 Other, specify

M. Seed Quality Characteristics and Farmers' Willingness To Pay (hypothetical)

L101 **Crop** |_____|

ENUMERATOR: PLEASE READ THESE INSTRUCTIONS TO THE RESPONDENT *Now we would like to ask you about your preferences for seed quality traits for [..crop..].* **EXPLAIN AS ABOVE**

1 RANKING OF PREFERENCES

	M102	
	WRITE THE CODES OF THE SEED QUALITY TRAITS IN ORDER OF IMPORTANCE	SEED QUALITY TRAITS
First		1 Seeds should all look same (in size, color) and are not broken or damaged 2 Seeds are free from any inert material (e.g., stones, weed seeds) 3 Seeds are free from pests and diseases 4 Seed has high germination when planted 5 Plants grow uniformly after planting 6 Plants look healthy and vigorous in growth stage 7 Plants have high yield and good quality grain at harvest
Second		
Third		
Fourth		
Fifth		
Sixth		
Seventh		

2 WILLINGNESS TO PAY FOR SEED QUALITY TRAITS (HYPOTHETICAL)

M201		M202		M203	M204		M205	M206
What is the current price of the seed of this crop? NOTE THAT THE CURRENT PRICE CAN BE OBTAINED FROM THE HIGHEST PRICE OF THE CROP AMONG THE VARIETIES (SEE F312A)		What is the maximum you would be **willing to pay for the seed** of a variety that has your **most important seed qualtiy traits**? READ TOP THREE		IF ANSWER TO M202 <=M201 Why are you not willing to pay more more?	What quantity of seed would you purchase at that price?		What is the size in acres that could be seeded with the amount of seed you would purchase at	How often would you purchase **fresh seed** for planting purpose of a variety that has these desired characteristics?
KYATS	PER 1 Rice Basket 2 100 Baskets 3 Pyi 4 Bag (1.5 Bsk) 5 Bag (2.5 Viss) 6 Viss 99 Other, specify	KYATS	PER 1 Rice Basket 2 100 Baskets 3 Pyi 4 Bag (1.5 Bsk) 5 Bag (2.5 Viss) 6 Viss 99 Other, specify	1 Cash consraints 2 Prefer to use own seed 3 Prefer to see demo field first 4 Prefer to see other farmers use it first 99 Other, specify	QUANTITY	PER 1 Rice Basket 2 100 Baskets 3 Pyi 4 Bag (1.5 Bsk) 5 Bag (2.5 Viss) 6 Viss 99 Other, specify	ACRES	1 Every planting season 2 Every year 3 Every 2 years 4 Every 3 years 5 Every 4 years 6 Every 5 or more years 7 No intention of replacing seed 8 When seed quality deteriorates 97 Does not know 99 Other, specify

N: Seed type/source preferences

L101 **Crop** |_____|

ENUMERATOR: We would now like to ask you a set of questions about your PERCEPTION of the seed quality from different sources for [..CROP..]. For this set of questions, we would present to you 3 sources of seed that you can potentially obtain seeds for planting purposes. Assume that the seeds from all these sources are of the SAME VARIETY but the quality may be different. For each list, we would like to know which source you think is the best quality, and which is the worst quality.

N101.		**Best Quality**	**Worst Quality**
The best and worst quality seeds are….	4. Seed from a seed producer or a farmer group that is trained to produce seed but seed has no label		
	2. Seed from agro-dealer/company that comes in a package with a label		
	1. Own saved seed		

N102		**Best Quality**	**Worst Quality**
The best and worst quality seeds are….	2. Seed from agro-dealer/company that comes in a package with a label		
	3. Seed from a grain vendor in the market that you can buy in bulk and comes with no label		
	5. Seed from a trader that you can buy in bulk and comes with no label		

N103		**Best Quality**	**Worst Quality**
The best and worst quality seeds are….	4. Seed from a seed producer or a farmer group that is trained to produce seed but seed has no label		
	3. Seed from a grain vendor in the market that you can buy in bulk and comes with no label		
	6. Seed from government seed farm that comes in package or in bulk		

N104		**Best Quality**	**Worst Quality**
The best and worst quality seeds are….	5. Seed from a trader that you can buy in bulk and comes with no label		
	7. Seed from an NGO or a development program		
	4. Seed from a seed producer or a farmer group that is trained to produce seed but seed has no label		

N105		**Best Quality**	**Worst Quality**
The best and worst quality seeds are….	6. Seed from government seed farm that comes in package or in bulk		
	5. Seed from a trader that you can buy in bulk and comes with no label		
	1. Own saved seed		

N106		**Best Quality**	**Worst Quality**
The best and worst quality seeds are….	7. Seed from an NGO or a development program		
	6. Seed from government seed farm that comes in package or in bulk		
	2. Seed from agro-dealer/company that comes in a package with a label		

N107		**Best Quality**	**Worst Quality**
The best and worst quality seeds are….	3. Seed from a grain vendor in the market that you can buy in bulk and comes with no label		
	7. Seed from an NGO or a development program		
	1. Own saved seed		

O. Seed Samples

O101	O102	O103	O104	O105	O106	O107
1-Rice 2-Sesame 3-Groundnut 4-Sunflower 5-Green gram 6-Black gram 7-Pigeon pea 8-Chickpea	Variety	Do you have seeds of this variety currently available?	**Enumerator:** **[1] Ask for seed samples for each variety** **[2] Write the Envelop Number in which the seed sample of this variety is collected.** **IMPORTANT to COPY the CORRECT number**	Source of this seed sample	Level of trust you have in the seed source	Level of trust and confidence you have that this sample of seed is *genetically pure* (i.e., all seeds are the same variety) and that there are no mixtures?
		1-Yes 2-No ->Next crop		1-Saved from own harvest <F411 2-Purchased/acquired from others for planting next season 3-Received free from government/NGOs 99-Other (specify)	*1-I fully trust this source and always use it to acquire new seed* *2-I have some doubts; but have no other option* *3-I don't trust this source at all; have stopped using seed from this source* *4-I have no opinion yet*	*1-Fully confident about the purity of seed* *2-Somewhat confident* *3-I am not very sure* *4-I am 100% certain that this seed is not pure; it is a mixture of different varieties* *97-Don't know; no opinion*