Z1a. Village Name:_____ **Z1b. Village ID:_____** **Z1c. Crop:_____** **Z1d. Farmer ID:_____**

Willingness to Pay for Green gram/Chickpea Quality Seed -- Farmer Survey in Myanmar, August 2018

Z. Farmer Identification

Z0. *First read the Consent Statement. Proceed if the farmer consents. Farmer consented:*					☐ 1-Yes ☐ 2-No
Z2. Are you the **main (or one of the main) decision maker** in your household for **green gram/chickpea cultivation and practices?**					☐ 1-Yes ☐ 2-No
Z3. Farmer Name		Z4. Gender	☐ 1-Male ☐ 2-Female	Z5. Age	
Z6. Telephone #		Z7. Type of phone	1-Basic phone	2-Smart phone	3-Landline

P. Prior use of seed from different sources and quality rating

P1. Source	P2. Have you ever used green gram/chickpea seed from *<source>* before? 1=Yes 2=No	P3. How would you rank the quality of green gram/chickpea seed from each of the following sources? Assign a number from 1=best to 6=worst; do not repeat a number *96=no opinion on that seed source/system*
a. Own Saved Seed		
b. Grain from other farmer		
c. Grain purchased in the market		
d. Public/Government (DOA) (Certified)		
e. Certified Seed Produced by seed producers		
f. Certified seed from private company		

A. INFORMATION ABOUT THE FARMER AND HIS/HER FAMILY

A1. Can you **read and write?** [1] Yes [2] No	A2. Your highest level of educational attainment?	A3. Total number of household members	A4. Your relationship with the head of the HH [1] Self <A6 [2] Spouse <A6 [3] Other	A5. How many acres of agricultural land does your household own?	A6. How many years have you grown green gram/chickpea?	A7. What will be the total area you plan to cultivate with green gram/chickpea in this **upcoming** season? (acres)	A8. How many acres of your green gram/chickpea crop will be irrigated in upcoming season?

Z8. Date: mm_____ dd_____ **Z9. Enumerator:_____**

Z1a. Village Name:_____ Z1b. Village ID:_____ Z1c. Crop:_____ Z1d. Farmer ID:_____

A9. Are you a member of farmer group/ organization? [1] Yes [2] No	A10. Have you ever received any training on… [1] Yes [2] No		A11. Distance to the nearest market center in minutes (using a motorbike)?	A12. Distance to the nearest main road in miles?	A13. Do you sell green gram/ chickpea as seed? [1] Yes [2] No	A14. What is the current price per pyi of green gram/chickpea seed if you were to buy/sell it? (Price/pyi)
	A10a. Green gram/ chickpea farming?	A10b. Seed quality?				

B. ASSETS OWNED AND CHARACTERISTICS OF THE HOMESTEAD

B1. How many of the following assets/household items does your HH own?								B2. How many of these animals does your HH own?				B3. What type of stove is used most often for cooking food in the household? 1=Open fire, open stove, rice-husk stove, or traditional closed stove 2=A1 improved stove, other improved stove, stove using electricity, gas, kerosene/diesel, or biofuel, or other	**B4.** What is the major construction material of the floor? 1=Earth/sand/palm/ bamboo or other 2=Wood planks, parquet or polished wood, tongue-and-groove wood, cement	**B5.** What is the major construction material of the external (outer) walls of your house? 1=Thatch/large leaves/palm/*dhani*, or tarpaulin 2=Bamboo, or rudimentary wood 2 3=Unbaked brick and mud, finished wood, or other 4=Baked brick and cement, or *pucca* cement
a. Smart phones	b. TV	c. 4W tractor	d. 2W tractor	e. Solar panel	f. Motor cycle	g. Bicycles	h. cupboard or food storage cabinet	a. Cow/Cattle/oxen	b. Goats, sheep	c. Chickens *(only count adult animals)*	d. Pigs			

Z8. Date: mm_____ dd_____ **Z9. Enumerator:_____**

Z1a. Village Name:_____ Z1b. Village ID:_____ Z1c. Crop:_____ Z1d. Farmer ID:_____

C. INFORMATION ABOUT FARMING PRACTICES

C1. Have you ever used or purchased *certified seed* of green gram/chickpea? *[1] Yes <C3 [2] No*	C2. If no, why not? (see codes	C3. Normally, what type of seed do you use for cultivation for green gram/ chickpea? [1] grain [2] certified seed [3] both	C4. On average, what percentage of your green gram/chickpea seeds are certified seed? (0-100)	C5. Distance to the nearest source to access green gram/chickpea seed by township DOA? *[miles]* *999-No known access to such seed*	C6. Distance to the nearest source to access certified green gram/chickpea seed by private companies? *[miles]* *999-No known access to such seed*	C7. Distance to the nearest source for purchasing certified green gram/chickpea seed by local seed farmers/producers? *[miles]* *999-No known access to such seed*

Code for not using certified seed:
1=Expensive/cannot afford /cash constraint
2=Don't trust the quality
3=Not available
4=Not available on time
5=Don't know this type of seed
6=Not adaptable to local conditions
99=other (specify) _____

C8. When it comes to adopting new technology, inputs or farming practices, which of the following best describes your behavior *(read the list)*: 1 - I am one of the first ones to adopt NEW technologies 2 – I usually wait until a few farmers I know have used those inputs/technologies/practices, and then based on their experiences I make the decision 3 – I usually wait until most farmers in this village are already using those inputs/technologies/practices, and I am 100% sure that those technologies work 4 – I rarely change my farming practices as I am not comfortable doing new things

C9. How many acres of land do you cultivate green gram/chickpea in a normal year?	C10. Total quantity produced in a normal year (baskets)	C11. What **percent (%)** of your green gram/chickpea **harvest** do you **sell in a normal year?** **(0-100)**	C12. In a normal year, what **percent (%)** of your green gram/chickpea total **production cost is devoted to seeds? (0-100)**

Z1a. Village Name:_____ Z1b. Village ID:_____ Z1c. Crop:_____ Z1d. Farmer ID:_____

Varietal level information

	D1. In the last season, how many green gram/chickpea varieties did you plant?	D2 Variety ID	D3. Name of the chickpea/green gram variety planted in last season this crop was grown	D4. What was the source of the seed you planted last season? *[1] own harvest [2] neighbor/other farmer [3] Market/trader [4] Agrodealer [5] DOA [6] Private company [7] Seed producer [99] Other (specify)*	D5. What type of seed it was? *[1] grain [2] certified*	D6. In your opinion is this variety an improved or a traditional variety? *[1] Improved [2] traditional*	D7. Quantity of seed per acre of this variety was planted last season? *[pyi]*	D8. How satisfied were you with the quality of seed you used last season? 1=very dissatisfied 2=neutral 3=very satisfied	D9. Year you first planted this variety on your farm YYYY
		V1							
		V2							
		V3							
		V4							

E. Importance of seed quality

	Please rate on a scale of 1 to 5 (Mark the appropriate column)				
	1	2	3	4	5
	Very Important	Somewhat important	Neutral	Not important	Not at all important
E1. In your green gram/chickpea seed selection decision, how important are each of the following characteristics.					
a. Similar Seed size					
b. Seed Free from Diseases and Pests					
d. Packaging (bag type or size)					
e. Seed free from dirt, stones, foreign material					
f. Certified – Inspected by government					
g. Purity					
h. Germination Rate					

F. Green gram/chickpea SEED DEMAND

F0. Type ID	F1. Seed type	F2. Based on your bids for the last round of auctions, how many **pyi of green gram/chickpea seed** of your preferred variety would you be willing to purchase if the following seed types were available at that price? *Write 0 for none*	F3. From all the seeds you saw today, which seed did you LIKE the MOST? 1=LIKE MOST 0=NOT LIKED MOST	F4. What is the MAIN reason for not bidding higher than what you bid today for this seed you liked most? 1=I was comparing the market price 2=No money/cannot afford 3=I was bidding what I heard other farmers were bidding 99=Other (specify)
a	Grain from farmer			
b	Grain purchased in the market			
c	Certified seed purchased from township DOA			
d	Certified seed produced by the local seed producer group			
e	Certified seed produced by private company			