Respondent ID:_____

Bean Technology Dissemination Project Beneficiary Survey: NICARAGUA

Final: 8/14/2012

***INSTRUCTIONS*: Ask to speak to the person who received bean seed from a community seed bank in the past 12 months (see the ID list). If this person is not available (after at least two attempts of contacting), complete X1-X4 and then end the interview. If he/she is available, complete all the fields (X1 to X8) before beginning the interview.**

X1. Date of the visit (dd/mm/yy):	**X2.** Respondent ID: *(see the ID list)*	**X3**. Name of the enumerator: _____	**X4**. Name of the supervisor: _____

Did you receive bean **seed from a community seed bank in**

X5. Primera 2012 (check one) ☐1=Yes ☐2=No

X6. Apante 2011-2012 (check one) ☐1=Yes ☐2=No

X7. Postrera 2011 (check one) ☐1=Yes ☐2=No

X8. Did anyone else in your household receive bean seed from a community seed bank in any of these past three seasons? ☐1=Yes ☐2=No

*(**Enumerator:** Clarify that a household is defined as a unit comprised of members of your immediate family **who normally live and eat their meals together)***

***IF NO** to **X5, X6, X7 and X8, STOP** the interview.*

***IF YES** to at least one of these questions (**X5 X6 or X7**) **READ** the consent statement to the selected respondent.*

If NO to X5, X6, X7 but YES to X8**, ask to speak to the person in the family who received the seed, **and consider him/her the respondent and READ** the consent statement. **ONLY INTERVIEW A FAMILY MEMBER WHO RECEIVED BEAN SEED FROM A COMMUNITY SEED BANK IN THE PAST 12 MONTHS.

X9. Consent statement was read and discussed, and the farmer agreed to be interviewed (*check one*) ☐*1=Yes* ☐*2=No*

Respondent Information

X10. Name of the respondent: _____

X11. Relationship to the head of the household (use codes): _____ *(1=Self 2=Spouse 3=Son/daughter 4=Other specify)*_____

X12. Community: _____ **X13**. Municipality:_____

X14. Department:_____ **X15.** INTA Region:_____

X16: Name of the community seed bank that provided the BEAN seed_____

X17: Phone number (cello r landline) *(If he/she has more than one, record all)* _____ _____

X18: What did you do with the seed you received from the CSB? _____

[1] Planted [2] Sold as seed [3] Sold as grain [4] Consumed as grain [5] Planted part and consumed or sold the other part [99] Other (specify): _____

X18a. If you did NOT PLANT, why did you decide to not plant the seed you received? _____

Respondent ID:_____

Section A. Background Information of the Respondent (i.e., Bean Seed Recipient) and His/Her Farm

***INSTRUCTIONS*: ASK THE FOLLOWING QUESTIONS TO THE PERSON WHO RECEIVED THE BEAN SEED FROM THE COMMUNITY SEED BANK**

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10a	A10b
How old are you?	Gender *[1] Male* *[2] Female*	Education: Highest level reached *[1] - [11] School* *[12]- [16] University* *[20] Adult Education* *[21] Literate* *[22] Does not read or write* *[99] Other (specify)*	How many years of farming experience do you have?	How many years of bean farming experience do you have?	Are you a member of a community seed bank? *[1] Yes* *[2] No* ***>A9***	**IF YES,** What is the name of the Community Seed Bank?	How many years you have been a member of this seed bank?	Is anyone in your family a member of a community seed bank? *[1] Yes* *[2] No* ***>A13***	**IF YES,** what is relationship of family member to respondent? (*if multiple, write each one in a separate column-up to two: if less than 2 enter 888 in blank columns* *[1] spouse* *[2] mother/father* *[3] son/daughter* *[4] brother/sister* *[5] other (specify)* *[888] Not Applicable*	

A11	A12a	A12b	A13	A14a	A14b	A14c	A15a	A15b	A16	A17	A18a	A18b	A18c
What is the name of the Community Seed Bank?	How many years has this relative been a member of this seed bank? (*enter 888 for A12b if only one member)*		Are you a member of any farmer organization or an organized group? *[1] Yes* *[2] No* ***>A15***	What type of organization do you belong? (*if multiple, write each one in a separate column—up to three; if less than 3, enter 888 in columns that are blank)* *[1] Farmer cooperative* *[2] Crop specific producer organization* *[3] Non-agricultural business group* *[99] Other (specify)* *[888] Not applicable*			En Primera 2012, **how many** parcels of agricultural land are under the management of your household? *(list land owned and land rented from others separately)*		What is the **total area** (in manzanas) across all the agricultural fields that belong to your household in Primera 2012?		Which were the three most important crops on your household's farm in terms of **total area planted** in Primera 2012? *(see codes below)*		
							Owned	Rented-in	Owned	Rented-in	1st	2nd	3rd

A19a	A19b	A19c	A20a	A20b	A20c
Which were the three most important crops on your household's farm in terms of **total family labor devoted** for its production in Primera 2012?			Which were the three most important crops on your household's farm in terms of **purchased inputs devoted** for its production in Primera 2012?		
1st	2nd	3rd	1st	2nd	3rd

Crop codes for A18-A20:

[1] maize	*[10] tomato*
[2] sorghum	*[11] other vegetables*
[3] rice	*[12] coffee*
[4] beans	*[99] Other, specify*
[5] soybean	
[6] Sesame seed	*(if crop not in this list,*
[7] peanut	*write down the name*
[8] potato	*in the corresponding*
[9] cassava (yucca)	*space)*

Respondent ID:_____

Section B. Bean Production in Primera 2012

*I would like to ask you about your bean production in **PRIMERA 2012** season.*

B1. In the Primera 2012 planting season, how many **PARCELS** of agricultural land were planted to beans? ***(if response is ZERO, GO TO SECTION C)*** ***ENUMERATOR: Define a bean PARCEL as a contiguous piece of land in which one bean variety was planted (make a map)***	
B2.1. In the Primera 2012 planting season, what was the total area of land cultivated across **all parcels and all crops**?	
B2.2 Unit in which the land area is reported in B2.1 *[1] Manzana [2] Hectare [99] Other (specify)* _____	

B3. Did you have the following problems more in PRIMERA 2012 compared to the previous 2 years? *[1] Yes [2] No [77] Don't know*

B3.1 Insects | **B3.2** Diseases | **B3.3** Drought | **B3.4** Too much rain

***Enumerator**, please use the answer in B1 to determine the number of rows that need to be filled in the following Tables in Section B. Each row should correspond to a distinct agricultural parcel in which beans were planted in Primera 2012. Start by listing the biggest bean parcel.*

1. **Parcel characteristics, use of inputs and varieties for bean production during the PRIMERA 2012 season**

B0	**B4**	**B5**	**B6**	**B7**	**B8**	**B9a**	**B9b**	**B10**	**B11**	**B12**	**B13**	**B14**	**B15**	**B16**	**B17**	**B18a**	**B18b**
Parcel ID	Unique description of the parcel (e.g., its location, some landmark, etc.)	How is the […] on this parcel?				If you were to sell or rent-out this parcel for Postrera 2012, how much would you get? *[77] Don't know [88] Cannot sell* *(Cordobas)*		If you rent the parcel, what did you pay? *[77] I don't know* *(cordobas)*	What is the size (area) of this parcel?		Was bean inter-cropped? *[1] YES [2] NO => Go to B16*	If YES, crop associated with bean? *[1] Maize [2] Rice [3] Sorghum [99] Other (specify):*	What proportion of this area was planted to **bean**? *[1] 25% [2] 33% [3] 50% [4] 67% [5] 75% [6] >75%*	What was the planting date for beans in this parcel?		Which crop was grown in this parcel in the previous seasons of […]?	
		Slope *[1] Flat [2] Medium [3] Steep*	Soil quality *[1] Sand [2] Silt [3] Clay [77] Don't know*	Presence of rocks *[1] None [2] Some [3] A lot*	Land tenure *[1] Owned [2] Rented in [3] Half/Half shared [4] borrowed [5] Govt land [99] Other (specify):*	If sold today	If rented out for Postrera 2012		Area	Unit *[1] Manzana [2] Hectare [3] tarea [99] Other (specify)*				Month (1-12)	Week (1-4)	Postrera 2011	Apante 2011-12
																[0] Fallow/no crop grown [1] Maize [2] Rice [3] Sorghum [4] Bean monocrop [5] Bean inter-crop [99] Other (sp):	
P1																	
P2																	
P3																	
P4																	
P5																	

Respondent ID:_____

1. **Parcel characteristics, use of inputs and varieties for bean production during the PRIMERA 2012 season (CONTINUED)**

B0	B19	B20	B21	B22	B23	B24	B25	B26	B27	B28	B29	B30	B31	B32	B33	B34
Parcel ID	Who was responsible for managing this parcel in Primera 2012 *[1] self* *[2] spouse* *[3] son/daughter* *[99] other (specify)*	Gender of the person responsible for this parcel *[1] male* *[2] female*	The person responsible belongs to the following age group *[1] < 16 years old* *[2] 16-30* *[3] 31-45* *[4] 46-65* *[5] > 65 years old*	Was this parcel irrigated in Primera season? *[1] Yes* *[2] No* *[77] Don't know*	Did you apply any fertilizer on this parcel? *[1] Yes* *[2] No* *[77] Don't know*	Did you apply any insecticide on this parcel? *[1] Yes* *[2] No* *[77] Don't know*	Did you apply any fungicide on this parcel? *[1] Yes* *[2] No* *[77] Don't know*	Did you employ any hired labor to help on this parcel? *[1] Yes* *[2] No* *[77] Don't know*	Approximately how much did you spend on the following inputs on **<u>your bean crop</u>** planted in this parcel in Primera 2012? *(Cordobas)* Manure	Chemical Fertilizer	Chemical pesticides	Seed	Hired labor	What variety of bean seed was planted on this parcel? *(see code list)*	When did you first plant this variety on your farm? *[1] Primera* *[2] Apante* *[3] Postrera* *[77] Don't know* Season	Year (YYYY)
P1																
P2																
P3																
P4																
P5																

1. **Parcel characteristics, use of inputs and varieties for bean production during the PRIMERA 2012 season (CONTINUED)**

B0	B35	B36	B37	B38	B39	B40	B41	B42
Parcel ID	What was the <u>primary</u> source of the seed used on this parcel in Primera 2012? *(see code list below)*	Was this certified seed? *[1] Yes* *[2] No* *[77] don't know*	Do you plan to grow this variety in the next season in any parcel? *[1] YES* *[2] NO >**go to B39*** *[77] Don't know*	Do you plan to change the area planted to this variety in future? *(prompt and select one)* *[1] increase* *[2] decrease* *[3] No change* *[77] Don't know*	What are the two characteristics you <u>like</u> the most about this variety? *(see code list)*		What are the two characteristics you <u>dislike</u> the most about this variety? *(see code list)*	
					1st	2nd	1st	2nd
P1								
P2								
P3								
P4								
P5								

<u>Variety codes (B32)</u>

[1] INTA Rojo
[2} INTA MATAGALPA
[3] INTA SEQUIA
[4] ROJO SEDA
[10] Local/ Criollo (sin nombre)
[20] Mejorada (sin nombre)
[77] No lo sé
[99] Otra (especifique)

<u>Variety characteristics DISLIKED (B41, B42)</u>

[0] Nothing
[1] Low yield
[2] Susceptible to diseases
[3] Susceptible to insects
[4] Late maturity
[5] Poor cooking quality/taste
[6] Lower price/mkt. value
[99] Other (specify)

<u>Variety characteristics LIKED (B39, B40)</u>

[1] Good yield
[2] Resistant to diseases
[3] Resistant to insects
[4] Early maturity
[5] Good cooking quality/taste
[6] Good price/mkt. value
[99] Other (specify)

<u>Seed source (B35</u>, i*<u>f multiple sources, list the most important</u>*)				
[1] Grain saved from previous harvest >B36	[2] Other farmer >B36 [3] Purchased in the market as grain >B36	[4] Purchased in the market as packaged seed [5] Given by an NGO	[6] Given by the Government [7] Received from a Community Seed Bank	[99] Other (specify in the corresponding space)

Respondent ID:_____

2. **Production and Utilization of Beans Harvested in PRIMERA 2012 season**

B0	**B43**	**B44**	**B45**	**B46**	**B47**	**B48**	**B49**	**B50**	**B51**	**B52**	**B53**	**B54**	**B55**	**B56**	**B57**	**B58**	**B59**
Parcel ID	What was the total quantity of beans harvested from this parcel?		Date when bean harvest was completed in this parcel		Total quantity of harvested beans lost due to pests, already sold and price received *(if quantity lost+sold is equal to quantity produced for a given parcel, fill in zeros for that parcel under questions B51-B58)*				How much of the total quantity that you have remaining with you as of today, do you plan to								Specify the purpose indicated in B57 *[1] gift [2] payment in kind [99] Other (specify)*
									Keep as food grain for home consumption?		Keep as seed for planting in the next season?		Sell in future?		Utilize for any other purpose? *(if the response is zero > go to section C)*		
	Quantity	Unit	Month (1-12)	Week (1-4)	Quantity lost	Quantity Sold	Unit	Price per unit *Cordobas*	Quantity	Unit	Quantity	Unit	Quantity	Unit	Quantity	Unit	
P1																	
P2																	
P3																	
P4																	
P5																	

Unit codes (B44, B49, B52, B54, B56, B58)

[1] Kg
[2] Lbs
[3] Quintales
[4] Arrobas
[99] Other (specify)

Section C. Information about seed received from Community Seed Bank

***Enumerator**, please read the following to the farmer: "You have indicated receiving bean seed from a community seed bank in one of the planting seasons in the last 12 months. Now I would like to ask you a few questions regarding this seed."*

C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**
What is the name of the community where this seed bank operates? *[77] Don't know*	For which season did you receive the bean seed from this CSB? *[1] Postrera 2011 [2] Apante 2011-12 [3] Primera 2012*	How much seed did you receive in that season? *Unit codes: [1] kg [2] lbs*		What variety was this seed? *[1] INTA Rojo [2} INTA Matagalpa [3] INTA SEQUIA [77] Don't know [99] Other (specify)*	In what type of package did you receive this seed? *[1] Sealed package with a label [2] Open bag with a label [3] sealed package without a label >C11 [4] open bag with no label >C11 [99] Other (specify) >C11*	Did the label include the following: *[1] Yes [2] No [77] I don't know*				Was the seed delivered to you or you had to go someplace to get it? *[1] it was delivered to me in my community **>C13** [2] I had to travel outside my community to get the seed*	How far did you have to travel to get the seed? *km*	When did you receive the seed in relation to your planned planting date? *[1] One month before [2] One week before [3] Less than one week [4] After the date I was planning to plant [99] Other (specify)*
		Quantity	Unit			Variety name	Germination rate	Weight	Date of production			

Respondent ID:_____

Section C. Information about seed received from Community Seed Bank (CONTINUED)

C14	C15	C16	C17	C18	C19	C20	C21	C22	C23	C24	C25	C26	C27	C28
In your opinion, did the seed bank have a transparent process in selecting farmers to receive bean seeds? *[1] Yes* *[2] No* *[77] I don't know*	In your opinion, was the seed bank able to meet the demand for seed in that season from all the farmers in your community? *[1] Yes* *[2] No* *[77] don't know*	Was the quantity of seed you received adequate for your need? *[1] Yes >C20* *[2] No—I wanted more seed*	How much more seed of that variety did you need in that season (in addition to what you received) and how much you were willing to pay for it? Unit code: *[1] Kg* *[2] Lbs*			How would you rate the quality of seed you received from the seed bank? *[1] Lower quality than other seed I planted that season* *[2] Similar quality as other seed >C22* *[3] Higher quality than other seed >C22* *[77] I don't know because I didn't plant the seed*	What is the main reason for rating the seed as lower quality? *[1] low/zero germination rate* *[2] poor plant growth* *[3] It was prone to diseases and insects* *[4] It had mixed varieties with different plant height and maturity* *[99] Other (specify)*	What was the total harvest of beans from the seed received from the seed bank? *Unit code:* *[1] Kg* *[2] Lbs* *[3] Quintales* *[4] Arrobas* *[99] Other (specify)*		How much of that season's harvest from seed received from CSB did you save as seed for planting in the following season? *Unit code:* *[1] Kg* *[2] Lbs* *[3] Quintales* *[4] Arrobas* *[99] Other (specify)*		How much of that season's harvest from seed received from CSB did you share with others as seed (family, friends, neighbors) or sold as seed? *Unit code:* *[1] Kg* *[2] Lbs* *[3] Quintales* *[4] Arrobas* *[99] Other (specify)*		What was the payment agreement with the Seed Bank for the seed you received from them that season? ***(see code list below)***
			Additional Quantity needed	Unit	Willing to pay (Cordobas/ unit)			Quantity	Unit	Quantity	Unit	Quantity	Unit	

Section C. Information about seed received from Community Seed Bank (CONTINUED)

C29	C30	C31	C32	C33	C34	C35	C36	C37	C38	C39	C40	C41
If **paid in cash**, what was the price (per pound of seed) you paid to the seed bank? *Cordobas / pound*	In your opinion was the payment agreement [..]? *[1] Lower than what you were willing to pay* *[2] Right around the rate you were willing to pay* *[3] Higher than what you were willing to pay*	Would you purchase seed or seek to obtain seed from the Community Seed Bank in the future? *[1] Yes* *[2] No* *[77] Don't know*	Do you have easy access to **certified seeds of bean**? *[1] Yes* *[2] No* *[3] don't know what is a certified seed*	Have you ever used or purchased certified bean seed? *[1] Yes-it was given free of cost* *[2] Yes-I purchased it* *[3] No, I have not used it*	If **easily available and affordable**, how frequently and how many pounds of bean seed would you purchase of the following type for your farm needs: ***Frequency code:*** *[0] Every planting season* *[1] Once a year* *[2] Once every 2 years* *[3] Once every 3 years* *[4] Less frequently than every 3 years* *[5] I would not buy seed from this source at all*				In your opinion what are the two main **advantages** of having access to a community seed bank? *(see code list)*		In your opinion what are the two main **disadvantages** of sourcing seeds from a community seed bank? *(see code list)*	
					Certified seed from the market		Apta seed from CSB		Most important	2nd most important	Most important	2nd most important
					Frequency	Lbs	Frequency	Lbs				

Code of Payment Agreement (C28)

[1] *it was free of cost >C31*
[2] *I paid cash*
[3] *I returned same amount of grain after harvest >C30*
[4] *I returned twice the grain after harvest >C30*
[5] *I did not pay anything to the bank but I had to share some harvested grain with other farmers >C30*
[99] *Other (specify)>C30*

Code of Advantages (C38, C39)

[1] *It's closeness/proximity /presence in the community*
[2] *Flexibility in payment method*
[3] *Timely availability of seed*
[4] *Good quality of seed*
[5] *The idea that it can meet the seed needs of a community (seed security)*
[6] *Affordability of seed*
[99] *Other (specify)*

Code Disadvantages (C40, C41)

[1] *Poor quality of seed*
[2] *Seed not available on time*
[3] *Inadequate capacity to meet the seed needs of the community in terms of quantity*
[4] *Inadequate capacity to meet the seed needs of the community in terms of diversity of varieties demanded*
[99] *Other (specify)*

Respondent ID:_____

Section D. Information about bean production in the season in which the bean seed received from CSB was planted

Now, I would like to ask you about the bean production in the season in which you planted the seed received from the community seed bank

D1. Please tell me again, in which season did you plant the bean seed received from the CSB? *(Enumerator: Cross check with response in C2)* *[1] Postrera 2011 [2] Apante 2011-12 [3] Primera 2012 [77] Did not plant the seed from the CSB in any season > Go to section E* ***(If [3] is selected, verify the parcels with the farmer and skip to question D20)***	
D2. In that planting season, how many **PARCELS** of agricultural land were planted to beans? ***ENUMERATOR: Define a bean PARCEL as a contiguous piece of land in which one bean variety was planted***	

D3. Did you have the following problems more in that planting season compared to the previous 2 years? *[1] Yes [2] No [77] Don't know*

D3.1 Insects		**D3.2** Diseases		**D3.3** Drought		**D3.4** Too much rain	

***Enumerator**, please use the answer in D2 to determine the number of rows that need to be filled in the following Tables in Section D. Each row should correspond to a distinct agricultural parcel in which beans were planted in the season indicated in D1. Start by listing the bean parcel in which the seed from CSB was planted.*

1. **Parcel characteristics, use of inputs and varieties for bean production during the season in which bean seed received from CSB was planted**

D0	**D4**	**D5**	**D6**	**D7**	**D8**	**D9**	**D10**	**D11**	**D12**	**D13**	**D14**	**D15**	**D16**	**D17**	**D18**	**D19**
Parcel ID	Unique description of the parcel (e.g., its location, some landmark, etc.) *If a parcel is same as described in B4, write* **"same as <Parcel ID code> from <B0>"**	How is the […] on this parcel?				What is the size (area) of this parcel?		Was bean inter-cropped? *[1] YES* *[2] NO => Go to D14*	If YES, crop associated with bean? *[1] Maize* *[2] Rice* *[3] Sorghum* *[99] Other (specify)*:	What proportion of this area was planted to **bean**? *[1] 25%* *[2] 33%* *[3] 50%* *[4] 67%* *[5] 75%* *[6] >75%*	What was the planting date for beans in this parcel?		Did you apply any […] on this parcel in that season? [1] Yes [2] No [77] Don't know			Was this parcel irrigated in that season? [1] Yes [2] No [77] Don't know
		Slope *[1] Flat* *[2] Medium* *[3] Steep*	Soil quality *[1] Sand* *[2] Silt* *[3] Clay* *[77] Don't know*	Presence of rocks *[1] None* *[2] Some* *[3] A lot*	Land tenure *[1] Owned* *[2] Rented in* *[3] Half/Half shared* *[4] borrowed* *[5] Govt land* *[99] Other (specify):*	Area	Unit *[1] Manzana* *[2] Hectare* *[3] Tarea* *[99] Other (specify)*				Month (1-12)	Week (1-4)	Fertilizer (chemical)	herbicide	Chemical Pesticides	
P1																
P2																
P3																
P4																
P5																

Respondent ID:_____

1. **Parcel characteristics, use of inputs and varieties for bean production during the season in which bean seed from CSB was planted (CONTINUED)**

B0	D20	D21	D22	D23	D24	D25	D26	D27	D28	D29	D30	D31	D32	D33	D34
Parcel ID	What variety of bean seed was planted on this parcel? *(see code list below)*	How much seed was planted? (in pounds)	What was the source of the seed and how much (in order of size) *(see code list)*		If seed was from another source, where was it from and how much did you receive? *(see code list below)*		What was **the total quantity** of beans harvested from this parcel? *Unit codes: [1] Kg [2] Lbs [3] Quintales [4] Arrobas [99] Other (specify)*		How much of the total quantity of beans that was harvested, did you […]? (*use same units as in D27*)					What was the price you received for the highest quantity of beans sold in that season from a given parcel	Specify the purpose indicated in D32 *[1] gift [2] payment in kind [99] Other (specify)*
									Lose due to pest or other reason?	Keep as food grain (consumption)?	Keep to plant as seed next season?	Sell? *(If zero, skip D33 for that parcel)*	Use for other purpose? *(if zero, skip D34 for that parcel)*		
			Source	Amount	Source	Amount	Quantity	Unit	Quantity	Quantity	Quantity	Quantity	Quantity	*Cordobas/lbs*	
P1															
P2															
P3															
P4															
P5															

Variety codes (D20)		
[1] INTA Rojo	[3] INTA SEQUIA	[20] Improved (no name)
[2} INTA MATAGALPA	[4] ROJO DE SEDA	[77] Don't know
	[10] Local (no name)	[99] Other (specify)

Seed source (D22-D25)		
[1] Grain saved from previous harvest	[4] Purchased in the market as packaged seed	[7] Received from a Community Seed Bank
[2] Other farmer packaged seed	[5] Given by an NGO	[99] Other (specify):
[3] Purchased in the market as grain	[6] Given by the Government	[888] Does not apply

E. Family Socioeconomic characteristics

E1			E4					E9			E12					E17	E18
How many **people** belong to this **household**?			How many **people** in your household are in the **following age group** (***Instruction***: *write the number of people for each age group. Total across age groups should equal total in E3)*					What material is your house […] made of *(see code list)*			Do you own or have access to […] *[1] Yes [2] No*					**How far** is your house from the nearest **market**? *(km)*	**How far** is your village from the nearest **highway**? *(km)*
Males	Females	Total	0-16	17-25	26-40	41-65	> 65	Walls	Floor	Roof	Well	Latrine	Bath-room	Running water	Electri-city		

Code for Materials (E9-E11)
[1] Wood
[2] Compacted mud/ clay (adobe)
[3] Cement
[4] Stone
[5] Dirt
[6] Metal
[7] Straw
[8] Tile
[99] Other (specify)

Respondent ID:_____

E. Family Socioeconomic characteristics (CONTINUED)

E19	E20	E21	E22	E23	E24	E25	E26	E27	E28	E29	E30	E31
In the past 12 months, did any member of your household **obtain income** from any of the following sources? *(**Instruction**: Read each item and note yes/no) [1] Yes [2]No*										Which are the **top three** sources of your household's **income** identified above (in E19-E28) *(**Instruction**: For codes, refer to E19-E28)*		
1=Field crop sales	2=Hortic-ulture crop sales	3=Dairy product sales	4=Livestock sales for meat	5=Other agriculture activity (describe)	6=Renting/leasing land or farm equipment to others	7=Wages/salaries from agricultural-labor	8=Wages/salaries from outside agriculture (e.g., govt. job, teacher, bank clerk)	9=Income from a non-farm business (describe)	10=Other (describe)	**Highest** source of income *(indicate the code)*	**Second** highest source of income *(indicate the code)*	**Third** highest source of income *(indicate the code)*

E32	E33	E34	E35	E36	E37	E38	E39	E40	E41	E42	E43	E44	E45	E46	E47	E48	E49	E50	E51	E52
How many animals does your household currently own *(if none, write zero)*							How many of the following does your household own? *(**Instruction**: For each item, write a number. If none, write zero)*													
Horses	Cows	Goats	Sheep	Donkeys	Pigs	Other (describe)	Bicycles	Motorcycles	Cars or trucks	Tractors	Carts (animal drawn)	Animal plows	Backpack sprayer	Metal silos	Irrigation pump	TVs	Radios	Cell phones	Sewing machine	Computers

E53	E54	E55	E56	E57	E58	E59
Did your HH purchase beans for consumption in the past 12 months? *[1] YES* *[2] NO*	Did your HH use agricultural credit in the past 12 months? *[1] YES* *[2] NO*	Did your HH receive remittances from a relative in the past 12 months? *[1] YES* *[2] NO*	In a typical year, what share of your HH **income** comes from bean grain sales? *[1] Less than 25%* *[2] Between 25% and 50%* *[3] Between 50% and75%* *[4] More than 75%*	In a typical year, what share of your HH annual bean **grain consumption** is satisfied by your own production? *[1] Less than 25%* *[2] Between 25% and 50%* *[3] Between 50% and75%* *[4] More than 75%*	In a typical year, how long does your **food grain reserves** of bean last after harvest? *[1] Less than one month* *[2] One to three months* *[3] Three to six months* *[4] Six to nine months* *[5] Until the harvest in the following season* *[77] Don't know / can't answer*	In a typical year, when bean reserves are over, how often is **grain purchased** for consumption? *[1] Never* *[2] Every day* *[3] Few times per week* *[4] Once a week* *[5] 2-3 times per month* *[6] Once a month* *[77] Don't know / can't answer*

E60. Do you have any suggestions regarding what is needed to increase farmers' bean yields?

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THANK YOU VERY MUCH FOR YOUR TIME TO PARTICIPATE IN THIS STUDY