V 19032015 Producer's ID |__|__|-|__|__|-||__|__|

Baseline Survey (B2) – Research and Support to Maize Fertilization Program (PIAFEM [for its acronym in Spanish])

Date (dd/mm/yyyy): |__|__|-|__|__|- |__|__|__|__|	Editor's ID: |__|__|__|
Enumerator's name:	Enumerator's ID: |__|__|__|
Start (HH:MM): |__|__|:|__|__|	End (HH:MM): |__|__|:|__|__|

INFROMED CONSENT

QUÉ FUNCIONA PARA EL DESARROLLO, a non-profit organization dedicated to evaluate social programs is performing the evaluation phase of the Research and Support to Maize Fertilization Program (PIAFEM) in the year 2015. We would like to gather information about your farming practices, your plots and your environment. This information is strictly confidential and will only be used for statistical purposes to improve the design of the support program. Your name will not be published along with identifiable information. Your participation is voluntary and you can choose to answer or not to any of the questions. If you consider any of the following questions to be sensitive, you can choose not to answer it.

Is it clear that you have the right to participate or not in this survey?
1. ☐ YES 2. ☐ NO -> **Explain and ask again until the information is clear.**

General instructions to the enumerator:

- ***Be carefull with units, some questions requires total amounts and others per hectare amounts.***
- ***If respondent does not know the answer to a question, write -888 and if he/she decides not to respond, write -999.***
- ***Indications for the enumerator are HIGHLIGHTED, IN CAPITAL LETTERS and are not read to the producer.***

IF THE PRODUCER IS AN ELDER AND A RELATIVE/TENANT WORKS HIS PLOT LONG AGO, REQUIRE THE ASSISTANCE OF THE OTHER PERSON DURING THE SURVEY TO ANSWER THE QUESTIONS ABOUT CROP PRACTICES.

ENUMERATOR COMMENTS:_____

_____

EDITOR COMMENTS:_____

_____

_____

1. LOCATION AND GENERAL INFORMATION OF THE PRODUCER

1.1. Name (s): |___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|

1.2. Last Name: |___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|

1.3. Second Last Name: |___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|

1.4. Alias (As Known As In Town): |___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___| ☐ -777. Doesn't Have

1.5. Age: |___|___| -> Years Old Today ☐-888 NS ☐-999 NR

1.6. Gender: ☐ 1. Female ☐ 2. Male

1.7. Street, Highway, Path : |___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|

1.8. Outdoor Number: |__|__|__| ☐ -777 Without Number ☐-888 NS ☐-999 NR

1.9. Interior Number: |__|__|__| ☐ -777 Without Number ☐-888 NS ☐-999 NR

1.10. Suburb, Town: |___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|

1.11. Locality: |___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|

1.12. Municipality: |___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|

1.13. Home Phone: |__|__|__||__|__|__||__|__|__|__| ☐-777 Without Number ☐-888 NS ☐-999 NR

1.14. Celular Phone: |__|__|__||__|__|__||__|__|__|__| ☐-777 Without Number ☐-888 NS ☐-999 NR

1.15. Plot Name: |___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|

1.16. Plot's Locality: |___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|

1.17. Plot's Municipality: |___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|

1.18. Plot's ID: |___|___|___|___|

V 19032015 Producer's ID |__|__|-|__|__|-||__|__|

2. SOCIO-DEMOGRAPHIC CHARACTERISTICS OF THE PRODUCER

2.1 Education, expirience and home's characteristics

2.1.1. Do you know how to write and read a message?	2.1.2. What is your relationship with the head of the family?	2.1.3. What is your top aprooved scholar degree?	2.1.4. A proximetly, How many years have you worked the land?	2.1.5. W as your father a farmer?	2.1.6. How many people live in your dwelling?		2.1.7. Do you share experiences with other farmers about how to sow?	2.1.8. Do other producers share their expiriences on how to sow?
☐ 1. Yes ☐ 2. No ☐ -999 NS	☐ 1. Head ☐ 2. Wife/Husband ☐ 3. Daughter/Son ☐ 4. Daughter/Son in law ☐ 5. Mother/Father ☐ 6. Grandchild ☐ 7. Other **(specify)** _____	☐ 1. None ☐ 2. Unfinished Elementary ☐ 3. Finished Elementary ☐ 4. Unfinished Junior High ☐ 5. Finished Junior High ☐ 6. Unfinished High School ☐ 7. Finished High School ☐ 8. Technical Career ☐ 9. Degree ☐ 10. Postgraduate Study ☐-888 NS ☐-999 NR	|__|__| ☐ -888 NS ☐ -999 NR	☐ 1. Yes ☐ 2. No ☐ -888 NS ☐ -999 NR	1. Kids and youngsters between 0 and 17 2. Adults between 18 and 64 3. Elders older than 65	|___| |___| |___|	☐ 1. Yes ☐ 2. No ☐ -888 NS ☐ -999 NR	☐ 1. Yes ☐ 2. No ☐ -888 NS ☐ -999 NR

2.2 Income

ENUMERATOR READ: I will now ask you to think about all the activities you did last year for which you received a payment in cash

[SOURCE]	2.2.1. Last year, did you receive money**[SOURCE]**	2.2.2. How much money did you receive **[SOURCE] …**	2.2.3. Last year, for how many…
1. From sales of farming products produced in your plots (including forages)?	☐ 1.Yes ☐ 2.No → **Next source**	….last year |__|__|__|__|__|__| MXN ☐-888 NS☐-999 NR	
2. Working for someone else for a salary (Construction worker, day labourer, etc)?	☐ 1.Yes ☐ 2.No → **Next source**	…last year |__|__|__|__|__|__| MXN ☐-888 NS☐-999 NR	
3. Selling animals?	☐ 1.Yes ☐ 2.No → **Next source**	…last year |__|__|__|__|__|__| MXN ☐-888 NS☐-999 NR	
4. Sent from abroad?	☐ 1.Yes ☐ 2.No → **Next source**	…last year |__|__|__|__|__|__| MXN ☐-888 NS☐-999 NR	
5. From pension or retirement payments?	☐ 1.Yes ☐ 2.No → **Next source**	…last year |__|__|__|__|__|__| MXN ☐-888 NS☐-999 NR	…months received the pension |__|__| ☐ -888 NS ☐ -999 NR
6. From Oportunidades/ Prospera programs?	☐ 1.Yes ☐ 2.No → **Next source**	…each two months |__|__|__|__|__|__| MXN ☐-888 NS☐-999 NR	…two month periods received money from Oportunidades |__|__| ☐-888 NS☐-999 NR
7. Other source **(specify)** _____	☐ 1.Yes ☐ 2.No → **Next source**	…last year |__|__|__|__|__|__| MXN ☐-888 NS☐-999 NR	

V 19032015 Producer's ID |__|__|-|__|__|-||__|__|

3. COSTS

ENUMERATOR READ: I will now ask you about the plot (REGISTERED IN THE PROGRAM OR REPLACEMENT PLOT): _____(WRITE PLOT´S NAME). Please answer the questions for the farming cycle_____(WRITE THE YEAR FOR WHICH ANSWERED QUESTIONS FROM BASELINE 1(SEE ROUTE SHEET))

3.0 ENUMERATOR, INDICATE IF THE PLOT THAT IS BEING WONDERED FOR IS THE PLOT REGISTERED IN THE PROGRAM OR IS A REPLACEMENT PLOT:
☐1. Registered in the program ☐2.Replacement plot

3.1 In the SPRING-SUMMER cycle[year], Did you implement soil preparation activities on this plot?	3.2 How many times you implemented each activity? **ENUMERATOR: IF AN ACTIVITY WAS NOT PERFORMED ENTER 0 -888 NS -999 NR**	3.3 On average, how much did each activity cost? Indicate the price **per hectare** **ENTER -888 NS -999 NR -777 DID NOT PERFORM THIS ACTIVITY**
☐1. Yes ☐2. No → **Go to 3.4.** ☐ -888 NS ☐ -999 NR	1. Rake/Pre-Fallow 1. |__|__|__|__| 2. Subsoiler 2. |__|__|__|__| 3. Fallow 3. |__|__|__|__| 4. Raking 4. |__|__|__|__| 5.Other**(Specify)** 5. |__|__|__|__| _____	1. Rake/Pre-Fallow |__|__|__|__|__| MXN 2. Subsoiler |__|__|__|__|__| MXN 3. Fallow |__|__|__|__|__| MXN 4. Raking |__|__|__|__|__| MXN 5.Other: _____ |__|__|__|__|__| MXN

HERBICIDES

3.4 Did you apply herbicides in your plot [NAME] in the SPRING-SUMMER cycle [Year]?	3.5 How many times did you apply the herbicide to the plot?	Implementation	3.6 Which herbicide did you apply in .. **See catalog**	3.7 How much did you apply per hectare?	3.8 Units?	3.9 How much did the purchase of the herbicide cost per hectare?	3.10 How much did the water transportation and the workforce for this implication cost?
☐1. Yes ☐2. No → **Go to 3.11.** ☐ -888 NS ☐ -999 NR	|_____| times ☐ -888 NS ☐ -999 NR	1st implementation	|___| ☐ -888 NS ☐ -999 NR	|_____| ☐ -888 NS ☐ -999 NR	☐1. Kg ☐2. Liters.	|__|__|__|$ ☐ -888 NS ☐ -999 NR	|__|__|__|$ ☐ -888 NS ☐ -999 NR
			|___| ☐ -888 NS ☐ -999 NR	|_____| ☐ -888 NS ☐ -999 NR	☐1. Kg ☐2. Liters.	|__|__|__|$ ☐ -888 NS ☐ -999 NR	
		2nd implementation	|___| ☐ -888 NS ☐ -999 NR	|_____| ☐ -888 NS ☐ -999 NR	☐1. Kg ☐2. Liters.	|__|__|__|$ ☐ -888 NS ☐ -999 NR	|__|__|__|$ ☐ -888 NS ☐ -999 NR
			|___| ☐ -888 NS ☐ -999 NR	|_____| ☐ -888 NS ☐ -999 NR	☐1. Kg ☐2. Liters.	|__|__|__|$ ☐ -888 NS ☐ -999 NR	

		3rd implementation	|___| ☐ -888 NS ☐ -999 NR	|____| ☐ -888 NS ☐ -999 NR	☐1. Kg ☐2. Liters.	|__|__|__|$ ☐ -888 NS ☐ -999 NR	|__|__|__|$ ☐ -888 NS ☐ -999 NR
			|___| ☐ -888 NS ☐ -999 NR	|____| ☐ -888 NS ☐ -999 NR	☐1. Kg ☐2. Liters.	|__|__|__|$ ☐ -888 NS ☐ -999 NR	

INSECTICIDES

3.11 Did you appply insecticides in your plot [NAME] in the SPRING-SUMMER cycle [Year]?	3.12 How many times did you apply the insecticide to the plot?	Implementation	3.13 Which insecticide did you apply in .. **See catalog**	3.14 How much did you apply per hectare?	3.15 ¿Units?	3.16 How much did the purchase of the insecticide cost per hectare?	3.17 How much did the water transportation and the workforce for this implementation cost?
☐1. Yes ☐2. No → **Go to 3.11.** ☐ -888 NS ☐ -999 NR	|_____| times ☐ -888 NS ☐ -999 NR	1st implementation	|_____| ☐ -888 NS ☐ -999 NR	|__|__|__| ☐ -888 NS ☐ -999 NR	☐1. Kg ☐2. Liters.	|__|__|__|$ ☐ -888 NS ☐ -999 NR	|__|__|__|__|$ ☐ -888 NS ☐ -999 NR
		2nd implementation	|_____|☐ -888 NS ☐ -999 NR	|__|__|__| ☐ -888 NS ☐ -999 NR	☐1. kg ☐2. Liters.	|__|__|__|$ ☐ -888 NS ☐ -999 NR	|__|__|__|__|$ ☐ -888 NS ☐ -999 NR
		3rd implementation	|_____| ☐ -888 NS ☐ -999 NR	|__|__|__| ☐ -888 NS ☐ -999 NR	☐1. kg ☐2. Liters.	|__|__|__|$ ☐ -888 NS ☐ -999 NR	|__|__|__|__|$ ☐ -888 NS ☐ -999 NR

FOLIAR FERTILIZERS

3.18 DId you apply foliar fertilizers in your plot [NAME] in the SPRING-SUMMER cycle [Year]?	3.19 How many times did you apply the foliar fertilizer to the plot?	Implementation	3.20 Which foliar fertilizer did you apply in.. **See catalog**	3.21 How much did you apply per hectare?	3.22 Units?	3.23 How much did the purchase of the foliar fetilizer cost per hectare?	3.24 How much did the water transportation and the work force for this implementation cost?
☐1. Yes ☐2. No → **Go to 3.25.** ☐ -888 NS ☐ -999 NR	|_____| times ☐ -888 NS ☐ -999 NR	1st implementation	|___| ☐ -888 NS ☐ -999 NR	|____| ☐ -888 NS ☐ -999 NR	☐1. Kg ☐2. Liters.	|__|__|__|$ ☐ -888 NS ☐ -999 NR	|__|__|__|$ ☐ -888 NS ☐ -999 NR
			|___| ☐ -888 NS ☐ -999 NR	|____| ☐ -888 NS ☐ -999 NR	☐1. Kg ☐2. Liters.	|__|__|__|$ ☐ -888 NS ☐ -999 NR	

		2nd implementation	|___| ☐ -888 NS ☐ -999 NR	|_____| ☐ -888 NS ☐ -999 NR	☐1. Kg ☐2. Liters.	|__|__|__|$ ☐ -888 NS ☐ -999 NR	|__|__|__|$ ☐ -888 NS ☐ -999 NR
			|___| ☐ -888 NS ☐ -999 NR	|_____| ☐ -888 NS ☐ -999 NR	☐1. Kg ☐2. Liters.	|__|__|__|$ ☐ -888 NS ☐ -999 NR	
		3rd implementation	|___| ☐ -888 NS ☐ -999 NR	|_____| ☐ -888 NS ☐ -999 NR	☐1. Kg ☐2. Liters.	|__|__|__|$ ☐ -888 NS ☐ -999 NR	|__|__|__|$ ☐ -888 NS ☐ -999 NR
			|___| ☐ -888 NS ☐ -999 NR	|_____| ☐ -888 NS ☐ -999 NR	☐1. Kg ☐2. Liters.	|__|__|__|$ ☐ -888 NS ☐ -999 NR	

TRANSPORT OF FERTILIZERS

3.25 Did you apply chemical fertilizers in your plot [NAME] in the SPRING-SUMMER cycle [Year]?	3.26 How many times did you apply chemical fertilizers in this plot?	3.27 Fertilized in	3.28 How much did moving the fertilizer from the place of purchase to your plot cost?
☐1. Yes ☐2. No → **go to EXPECTATION** ☐ -888 NS ☐ -999 NR	|_____| times ☐ -888 NS ☐ -999 NR	Sowing ☐1. Yes ☐2. No	|__|__|__|__|$ ☐ -888 NS ☐ -999 NR
		1st implementation ☐1. Yes ☐2. No	|__|__|__|__| ☐ -888 NS ☐ -999 NR
		2nd implementation ☐1. Yes ☐2. No	|__|__|__|__| ☐ -888 NS ☐ -999 NR
		3rd implementation ☐1. Yes ☐2. No	|__|__|__|__| ☐ -888 NS ☐ -999 NR

4. EXPECTATIONS BEFORE RECEIVING INFORMATION - **ENUMERATOR: THE QUESTIONS IN THIS SECTION MUST BE ASKED BEFORE EXPLAINING THE RECOMENDATIONS.**

4.0. DATE OF 2015 IN WHICH HE/SHE IS THINKING TO SOW MAIZE IN THE DELIMITED HECTARE: _____/_____/2015

a) Productivity in the plot registered to the PIAFEM program

ENUMERATOR READ: I will now ask you about the plot REGISTERED TO THE PROGRAM _____

4.1. In a scale from 1 to 10, where 10 is the most productive plot in the town and 0 is the least productive plot of the town. How productive do you think your plot is?	|__|__|

ENUMERATOR TAKE A COIN AND SHOW IT TO THE PRODUCER :

4.2. We are going to flip this coin. What is the probability that the coin lands "eagle"? How sure are you about this probability? **WRITE THE ANSWER TO THE FIRST QUESTION WHEN THE PRODUCER SAYS THAT HE IS ABSOLUTELY SURE.**	|__|__|__|%
4.3 Now i whant you to think about the response to the previous question where you graded your plot whit a [READ THE ANSWER]. for its productivity. How sure are you about this grade?	☐1. Absolutely sure ☐2. Quite sure ☐3. A bit sure ☐4. Not sure at all

Expectation 2 WHITOUT INFORMATION

"Now we are going to play a game with this board and 20 tokens. Take a look, each box represents the production of your plot that you can get this year _____."

ENUMERATOR: GIVE THE 20 TOKENS TO THE PARTICIPANT AND ASK: "What you think will be the production in your plot_____*this year?"* **WAIT FOR THE ANSWER AND TELL THE PRODUCER TO PUT A TOKEN IN THAT BOX.**

THEN READ:*"What you think will be the production in your plot_____ if the weather is very rough?"* **WAIT FOR THE ANSWER AND TELL THE PRODUCER TO PUT A TOKEN IN THAT BOX.**

DESPUÉS LEA: *"What you think will be the production in your plot_____ if the weather is very favorable?"* **WAIT FOR THE ANSWER AND TELL THE PRODUCER TO PUT A TOKEN IN THAT BOX.**

ENUMERATOR POINT AT THE FIRST BOX IN WHICH THERE IS A TOKEN AND THE LAST BOX IN WHICH THERE IS A TOKEN THEN READ*: 4.2 "Now distribute the remaining 20 tokens in the interval putting more tokens in the boxes that you think are more probable. You need to use all the tokens; you can leave empty boxes. If you leave an empty box means that you think that this option will not happen in the future, if you think that an event has more chance to happen than other, put more tokens in the one you think have more chance to happen"*

0	☐	Will harvest nothing	6	☐	From more than 2 and a half Ton/ha to 3 Ton/ha	12	☐ From more than 6 Ton/ha to 7 Ton/ha
1	☐	Half Ton/ha or less	7	☐	From more than 3 Ton/ha to 3 and a half Ton/ha	13	☐ More than 7 Ton/ha ☐ How much?
2	☐	From more than half Ton/ha to 1 Ton/ha	8	☐	From more than 3 and a half Ton/ha to 4 Ton/ha		
3	☐	From more than 1 Ton/ha to 1 and a half Ton/ha	9	☐	From more than 4 Ton/ha to 4 and a half Ton/ha		
4	☐	From more than 1 and a half Ton/ha to 2 Ton/ha	10	☐	From more than 4 and a half Ton/ha to 5 Ton/ha		
5	☐	From more than 2 Ton/ha to 2 and a half Ton/ha	11	☐	From more than 5 Ton/ha to 6 Ton/ha		

b) Selling Price of maize form the plot registered in the PIAFEM program

4.3 What do you think will be the price of maize in early 2016?	|__|__|__|__| pesos/ton
4.4 What do you think will be the minimum price of maize in early 2016?	|__|__|__|__| pesos/ton
4.5 What do you think will be the maximum price of maize in early 2016?	|__|__|__|__| pesos/ton

AGRONOMIC ENGINEER: EXPLAIN THE RESULT OF THE SOIL ANALYSIS UNTIL PAGE 1 ONLY

c) Quality perception of the plot after receiving the soil analysis

4.6. **ENUMERATOR, PLEASE LOOK AT THE SOIL ANALISIS OF THIS PRODUCER AND CHECK IF IT SAYS THAT THE SOIL ANALISIS IS PERSONALIZED OR IS AN AVERAGE. IF IT IS PERSONALIZED, IT MEANS THAT THIS PRODUCER BELONGS TO T1 AND THE QUESTION TO ASK IS THE FOLLOWING:** I will now repeat the question I asked you about the productivity of your plot, but now I want you to respond having in mind what I just explained to you about the quality of your soil: In a scale from 1 to 10, where 10 is the most productive plot in the town and 0 is the least productive plot of the town. How productive do you think your plot is?	|__|__|
4.7. **ENUMERATOR, PLEASE LOOK AT THE SOIL ANALISIS OF THIS PRODUCER AND CHECK IF IT SAYS THAT THE SOIL ANALISIS IS PERSONALIZED OR IS AN AVERAGE. IF IT IS AVERAGED, IT MEANS THAT THE PRODUCER BELONGS TO T2, T3 OR T4 AND THE QUESTION TO ASK IS THE FOLLOWING:** I will now repeat the question I asked you about the productivity of your plot, but now I want you to respond having in mind what I just explained to you about the quality of the average soil in the nearest towns: In a scale from 1 to 10, where 10 is the most productive plot in the town and 0 is the least productive plot of the town. How productive do you think the average plot in your zone is?	|__|__|
4.8. Now i whant you to think about the response to the previous question where you graded your plot whit a [READ THE ANSWER]. for its productivity. How sure are you about this grade?	☐1. Absolutely sure ☐2. Quite sure ☐3. A bit sure ☐4. Not sure at all

AGRONOMIC ENGINEER: EXPLAIN PAGE 3 FROM THE RESULT OF THE SOIL ANALISIS AND ASK

d) Individual productivity expectations of the individual package in receiving YOUR RECOMENDATION WITHOUT KNOWING THE SUPPORT YOU WILL GET.

ENUMERATOR READ: If you would implement the fertilization package that Fertilab recommend, but you wouldn´t receive support and also you would pay for the fertilization package:

4.8 How much do you think you would produce in your trial hectare if the weather is very favorable?	|__|__|__|__| ton
4.9 How much do you think you would produce in your trial hectare if the weather is very rough?	|__|__|__|__| ton
4.10 How much do you think you would produce in your trial hectare if the weather isn't very rough or very favorable?	|__|__|__|__| ton