V20160929 Producer's ID |__|__|-|__|__|-||__|__|

Productivity Estimation Survey of the Research and Support to Maize Fertilization Program (PIAFEM)

Date (dd/mm/yyyy): |__|__|-|__|__|- |__|__|__|__|	Editor's ID: |__|__|__|
Enumerator's DAme: |__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|	Enumerator's ID: |__|__|__|
Start time (HH:MM): |__|__|:|__|__|	Finish time (HH:MM): |__|__|:|__|__|

INFORMED CODKENT

QUÉ FUNCIODA PARA EL DESARROLLO, a non-profit organization dedicated to the evaluation of~~e~~ social programs is performing the evaluation pilot phase of the Research and Support to Maize Fertilization Program (PIAFEM) for the year~~in~~ 2016. We would like to gather information about your farming practices and estimate the productivity of one of your plots in which you sowed maize in 2016, this in order to know the long-term effects of the program. This information is strictly confidential and will only be used for statistical purposes to improve the deYesgn of the support program. Your DAme will not be published along with identifiable information. Your participation is voluntary and you may choose not to answer any given question. If you decide to participate in the survey and the activity mediation you will receive a compensation of 180 pesos in your Chedrahui card.

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 IDKTRUCTIODK FOR THE ENUMERATOR:

- **BE CAREFUL WHEN REPORTING MEASURING UNITS. SOME QUESTIONS REFER TO TOTAL QUANTITIES AND OTHERS TO PER HECTARE.**
- **IF RESPONDENT DOES NOT KNOW THE ADKWER TO A QUESTION WRITE -888, IF HE/SHE DECIDES NOT TO ADKWER WRITE -999 AND IF NOT APPLICABLE WRITE -777.**
- **CHARTS WITH QUESTIONS BY PLOT, MAKE ALL QUESTIODK FOR EACH PLOT AND THEN GO TO NEXT PLOT (DO NOT ASK EACH QUESTION FOR ALL PLOTS AT A TIME).**
- **INDICATIODK FOR THE ENUMERATOR ARE HIGHLIGHTED, IN CAPITAL LETTERS AND ARE NOT READ TO THE PRODUCER.**

IF THE PRODUCER IS AN ELDERLY PERSON AND A RELATIVE OR TEDANT HAS BEEN WORKING ON THE PLOT FOR A LONG TIME, IS REQUIRED FOR THIS INDIVIDUAL TO BE PRESENT DURING THE INTERVIEW TO ADKWER THE QUESTIODK ABOUT PRACTICES IN THE CROPS.

ENUMERATOR COMMENTS: _____

_____

EDITOR COMMENTS: _____

_____

I understand that in a week, I will get a 180 pesos depoYest in my Chedraui card No. _____in compensation for the participation of the survey and the activity mediation.

_____

PRODUCER'S DAME AND YESGDATURE

V20160929 Producer's ID |__|__|-|__|__|-||__|__|

1- PLOT AND PRODUCER'S GENERAL INFORMATION

1.1 PRODUCER'S INFORMATION

ENUMERATOR: PLEASE CONFIRM INFORMATION OF THE PRODUCER AND THE PERSON THAT HELPS HIM/HER LABOR THE PLOTS

1.1.0. Treatment: T1	1.1.8. Person that work the plots: Andrés Benitez
1.1.1. Producer's DAme: Carlos Alberto Ramirez López (.21.68.23).	1.1.9. Age: 25 -> Years old as of today
1.1.2. Age: 45 -> Years old as old today	1.1.10. Gender: 2 Male
1.1.3. Gender: 2 Male	1.1.11. Address: Las Rosas 25, Col. Guadalupe Cuauhtemoc, Humantla
1.1.4. Address: Las Fresas 25, Col. Guadalupe Cuauhtemoc, Humantla	1.1.12. House reference:
1.1.5. House reference :	1.1.13. Between streets:
1.1.6. Between streets:	1.1.14. Telephone number(s): 246-987-564
1.1.7. Telephone number(s): 246-4877-8784	

1.2 FIRST PLOT IN THE RANKING

ENUMERATOR FOR YOUR INFORMATION THE PLOT THAT YOU WILL MEASURE TODAY- DO NOT READ:

1.2.1 Plot's DAme: **El Ameyal**	1.2.7 Sowing date **march 26 of 2016**
1.2.2 Plot's ID: .**21.68.23-02**	1.2.8 Recommended practices that you carried out in 2016: FALLOW HYBRID SEEDS
1.2.3 Plot's location: **Ejido Las Delicias, Huamantla**	1.2.9 **THE MEASURE MUST BEGIN WITH THE NORTHEAST (NE) CORNER OF THE PLOT**
1.2.4 **Plot's status: Treatment**	
1.2.5 Plot's total surface: **3.5 hectares**	
1.2.6 Total surface sown with maize: **2 hectares**	

ENUMERATOR READ BEFORE LEAVING THE PRODUCER'S HOME:

1.2.10 Today we want to estimate the productivity of your plot **El Ameyal** located in **Ejido Las Delicias, Huamantla,** in which you sowed maize on **march 26th in this year.** How many hectares with maize are still standing? (**CHECK ALL THAT APPLY**)

1. O More than ¼ hectare (2,500 squared meters) → **GO TO THE PLOT WITH THE PRODUCER AND CONTINUE THE SURVEY ON QUESTION 1.2.12**
2. O Less than ¼ hectare (2,500 squared meters)

1.2.11 Why did the first plot in the ranking had to be replaced? Answer the question → **GO TO SECTION 1.3 REPLACEMENT PLOT**

1. O The producer sowed less than ¼ hectare (or 2,500 squared meters)
2. O Reaped the plot ahead of time
3. O EnYeslaged the plot
4. O Mixed maize with other crop alterDAting.
5. O Other: _____

ENUMERATOR: ONCE YOU ARE IN THE PLOT WITH THE PRODUCER READ

1.2.12 *"In the last survey you said that you performed the following practices*: **FALLOW, HYBRID SEEDS.** Did you preform this practices on the whole plot or in a part of it?" (**CHECK THE ONE THAT APPLIES**)

1. O On the whole plot → **MEASURE THE AREA OF THE WHOLE PLOT IN WHICH HE/SHE ORIGIDALLY SOWED MAIZE**
   1.2.12.1.1_AREA_____ ha
2. O In a part of the plot → **MEASURE THE PART OF THE PLOT IN WHICH YOU PERFORMED THE PRACTICES**
   1.2.12.2.1_AREA_____ ha

1.2.13 How do you decide on which plot to perform the practices? **ENUMERATOR LISTEN AND CHECK ALL THAT APPLY**

○ 1. Only plot with maize
○ 2. Apply the same practices in all the plots
○ 3. Because the location
○ 4. The most productive plot
☐ 5. Less productive plot
☐ 6. Because of crops rotation
☐ 7. Rains a lot / less risk of a drought
○ 8. Less risk of a frost
○ 9. Random
○10. Other: _____
○ -777 Doesn't apply
☐ -888 Doesn't know
☐ -999 Doesn't answer

1.2.14 How do you decide on which area of the plot to perform the practices?

☐ 1. Only part of the plot with maize
☐ 2. Apply the same practices in all the parts of the plot
☐ 3. Because the location
☐ 4. Most productive area
☐ 5. Less productive area
☐ 6. Because of crops rotation
☐ 7. Rains a lot / less risk of a drought
☐ 8. Less risk of a frost
☐ 9. Random
☐10.Other:_____
☐ -777 Doesn't apply
☐ -888 Doesn't know
☐ -999 Doesn't answer

1.2.15 The area in which the practices where performed is parcialy enYeslaged or reaped as of today? **CHECK ALL THAT APPLY AND MEASURE THE CORRESPONDING AREA. GO TO SECTION 2 WHEN YOU FINISH.**

☐ 1. EnYeslaged **enYeslaged area**: |___|___|.___|___|**ha**
☐ 2. Reaped . **reaped area**: |___|___|.___|___|**ha**
☐ 3. -777 DA

1.3 SECOND PLOT IN THE RANKING

1.3.1	Plot´s DAme: **El Rosedal**	1.3.7	Sowing date **APRIL 2 of 2016**
1.3.2	Plot's ID: .**21.68.23-05**	1.3.8	Recommended practices that you carried out in 2016: **Hybrid seeds**
1.3.3	Plot's location: **Ejido Las Delicias, Huamantla**	1.3.9	**THE MEASURE MUST BEGIN WITH THE NORTHEAST (NE) CORNER OF THE PLOT**
1.3.4	**Plot's status: Nueva parcela 2016**		
1.3.5	Plot's total surface: **2.5 hectares**		
1.3.6	Total surface sowed with maize: **1 hectare**		

ENUMERATOR READ BEFORE LEAVING THE PRODUCER'S HOME:

1.3.10 Now we are going to measure **El Rosedal** located in **Ejido Las Delicias, Huamantla,** in which you sowed maize on **april 2nd in this year.** How many hectares with maize are still standing? (CHECK ALL THAT APPLY)

1. ☐ More than ¼ hectare (2,500 squared meters) → **GO TO THE PLOT WITH THE PRODUCER AND CONTINUE THE SURVEY ON QUESTION 1.3.12**
2. ☐ Less than ¼ hectare (2,500 squared meters)

1.3.11 Why did the first plot in the ranking had to be replaced? Answer the question → **CALL DIADA OR VICTOR TO ASK FOR IDKTRUCTIODK ON HOW TO PROCEDE (CHECK THE ONE THAT APPLIES)**

1. ☐ The producer sowed less than ¼ hectare (or 2,500 squared meters)
2. ☐ Reaped the plot ahead of time
3. ☐ EnYeslaged the plot

ENUMERATOR: ONCE YOU ARE IN THE PLOT WITH THE PRODUCER READ

1.3.12 *"In the last survey you said that you performed the following practices**: HYBRID SEEDS.** Did you preform this practices on the whole plot or in a part of it?"* (***CHECK THE ONE THAT APPLIES***)

1. ☐ On the whole plot → **MEASURE THE AREA OF THE WHOLE PLOT IN WHICH HE/SHE ORIGIDALLY SOWED MAIZE**
   1.3.12.1.1_AREA_____ **ha**
2. ☐ In a part of the plot → **MEASURE THE PART OF THE PLOT IN WHICH YOU PERFORMED THE PRACTICES**
   1.3.12.2.1_AREA_____ **ha**

1.3.13 How do you decide on which plot to perform the practices? **ENUMERATOR LISTEN AND CHECK ALL THAT APPLY**

- ○ 1. Only plot with maize
- ○ 2. Apply the same practices in all the plots
- ○ 3. Because the location
- ○ 4. The most productive plot
- ☐ 5. Less productive plot
- ☐ 6. Because of crops rotation
- ☐ 7. Rains a lot / less risk of a drought
- ○ 8. Less risk of a frost
- ○ 9. Random
- ○10. Other: _____
- ○ -777 Doesn't apply
- ☐ -888 Doesn't know
- ☐ -999 Doesn't answer

1.3.14 How do you decide on which area of the plot to perform the practices?

- ☐ 1. Only part of the plot with maize
- ☐ 2. Apply the same practices in all the parts of the plot
- ☐ 3. Because the location
- ☐ 4. Most productive area
- ☐ 5. Less productive area
- ☐ 6. Because of crops rotation
- ☐ 7. Rains a lot / less risk of a drought
- ☐ 8. Less risk of a frost
- ☐ 9. Random
- ☐10.Other:_____
- ☐ -777 Doesn't apply
- ☐ -888 Doesn't know
- ☐ -999 Doesn't answer

1.3.15 The area in which the practices where performed is parcialy enYeslaged or reaped as of today? **CHECK ALL THAT APPLY AND MEASURE THE CORRESPONDING AREA. GO TO SECTION 2 WHEN YOU FINISH.**

- ☐ 1. EnYeslaged **enYeslaged area**: |___|___|.___|___|**ha**
- ☐ 2. Reaped . **reaped area**: |___|___|.___|___|**ha**
- ☐ 3. -777 DA

V20160929 Producer's ID |__|__|-|__|__|-||__|__|

2- PRODUCTIVITY, TIME USE, CREDIT AND IDKURANCE

ENUMERATOR READ: "WHILE MY COWORKERS ARE MEASURING YOUR PLOT, I WOULD LIKE TO ASK YOU SOME GENERAL QUESTIODK ABOUT THE PRACTICES IN THE 2016 SPRING-SUMMER CYCLE AND THE EXPECTED PRODUCTIVITY IN YOUR PLOTS WITH MAIZE".

2.1 Expected Productivity in 2016

2.1.1 Did you fallow in some of yor plots in this cycle?		☐1. Yes ☐2. No ☐-888 DK ☐-999 DA
2.1.2 Why? Enumerator: LISTEN AND CHECK ALL THAT APPLY. IF THE FARMER ANSWERS ALWAYS PERFORM IT OR NEVER PERFORM IT, INVESTIGATE WHY HE/SHE PERFORM IT OR DOESN'T PERFORM IT	☐1. Rent is very expenYesve ☐2 I don't have the income for the rent ☐3. I used it and DID NOT see results ☐4. It's very hard to get the machinery in the locality ☐5. The plot's condition doesn't let me use it ☐6. I don't think that my productivity wil be greater ☐7. I did it last year and I will wait to perform it again	☐8. More plants grow ☐9. The sowing is more organized ☐10. The plants look bigger ☐11. My productivity gets greater ☐12. Restrains more moisture ☐13. Other (specify) _____
2.1.3 Did you used precision seed drill in any of your plots in this cycle?		☐1. Yes ☐2. No ☐-888 DK ☐-999 DA
2.1.4 Why? Enumerator: LISTEN AND CHECK ALL THAT APPLY. IF THE FARMER ANSWERS ALWAYS PERFORM IT OR NEVER PERFORM IT, INVESTIGATE WHY HE/SHE PERFORM IT OR DOESN'T PERFORM IT	☐1. Rent is very expensive ☐2 I don't have the income for the rent ☐3. I used it and DID NOT see results ☐4. It's very hard to get the machinery in the locality ☐5. The plot's condition doesn't let me use it ☐6. I don't think that my productivity wil be greater ☐7. I did it last year and I will wait to perform it again	☐8. More plants grow ☐9. The sowing is more organized ☐10. The plants look bigger ☐11. My productivity gets greater ☐12. Other (specify) _____
2.1.5 Did you used hybrid seeds in any of your plots in this cycle?		☐1. Yes ☐2. No ☐-888 DK ☐-999 DA
2.1.6 Why? Enumerator: LISTEN AND CHECK ALL THAT APPLY. IF THE FARMER ANSWERS ALWAYS PERFORM IT OR NEVER PERFORM IT, INVESTIGATE WHY HE/SHE PERFORM IT OR DOESN'T PERFORM IT	☐1. They are very expenYesve ☐2 I don't have the resources to buy them ☐3. I used it and DID NOT see results ☐4. Doesn't withstand drought / frost ☐5. I don't think that my productivity wil be greater ☐.6 Because animals / humans doesn't like them ☐.7 I sell the leafs for tamales	☐7. More plants grow ☐8. Plants are more even ☐9. The plants look bigger / greener ☐10. My productivity gets greater ☐11. Government / seed sellet / etc gave them to me ☐12. Other (specify) _____
2.1.7 Did you fertilized at sowing in any of your plots in this cycle?		☐1. Yes ☐2. No ☐-888 DK ☐-999 DA
2.1.8 Why? LISTEN AND CHECK ALL THAT APPLY. IF THE FARMER ANSWERS ALWAYS PERFORM IT OR NEVER PERFORM IT, INVESTIGATE WHY HE/SHE PERFORM IT OR DOESN'T PERFORM IT	☐1. Because I didn't have access to a machinery ☐2. Because machinery is too expenYesve ☐3. Because I didn't have money ☐4 I had fertilized the sowing before and **DID NOT** saw results ☐5. Had never fertilized the sowing because he/ she **DO NOT** thinks that productivity will be greater	☐6. Doesn't want to put chemicals on his/her plants ☐7. More plants grow ☐8. The plants look bigger ☐9. My productivity gets greater ☐10. Other (specify)_____
2.1.9 Did you applied sealant herbicide a week after the sowing in any of your plots in this cycle?		☐1. Yes ☐2. No ☐-888 DK ☐-999 DA
2.1.10 Why? LISTEN AND CHECK ALL THAT APPLY. IF THE FARMER ANSWERS ALWAYS PERFORM IT OR NEVER PERFORM IT,	☐1. Because they are too expenYesve ☐2. Because I didn't have money ☐3 Used them before and **DID NOT** saw results ☐4. Had never used them because he/she **DO NOT** thinks	☐6. More plants grow ☐7. Weeds compete with his/her plants ☐8. The plants look bigger ☐9. My productivity gets greater

INVESTIGATE WHY HE/SHE PERFORM IT OR DOESN'T PERFORM IT	that producivity will be greater ☐5. Doesn't want to put chemicals on his/her plants	☐10. Other (specify)_____
2.1.11 Did you applied fertilizers with hose in any of your plots in this cycle?		☐1. Yes ☐2. No ☐-888 DK ☐-999 DA
2.1.12 Why?	☐1. Because I don´t have a hose ☐2. Because I don't know how to do it ☐3 Used them before and DID NOT saw results ☐4. Had never used them because he/she **DO NOT** thinks that producivity will be greater ☐5. It takes more time, is more work ☐6. Didn't have time	☐7. Plants absorb the fertilizer better ☐9. Applied less fertilizer ☐10. The plants look bigger ☐11. My productivity gets greater ☐12. Fertilizer gets distributed better ☐13. Other (specify)_____
2.1.13 Did you cover the fertilizers the same days that you applied them in any of your plots in this cycle?		☐1. Yes ☐2. No ☐-888 DK ☐-999 DA
2.1.14 Why?	☐1 Try it before and **DID NOT** saw results ☐2. Doesn't thinks that productivity will be greater ☐3. It takes more time, is more work ☐4. Didn't have time	☐5. Plants absorb the fertilizer better ☐6. The plants look bigger ☐7. My productivity gets greater ☐8. Fertilizer gets distributed better ☐9. Other (specify)_____
2.1.15 In this cycle, did you used the fertilization formulas that QFD gave them to you last year?		☐1. Yes ☐2. No ☐-777 DA ☐-888 DK ☐-999 DA
2.1.16 Why?	☐1. They are very expenYesve ☐2. Because I didn't have money ☐3. Because I didn't get the government's resource ☐4 Used them before and DID NOT saw results ☐5. Had never used them but he/she **DO NOT** thinks that producivity will be greater ☐6. Doesn't want to put chemicals on his/her plants	☐7. Doesn't know leer / No entendió las recomendaciones ☐8. Didn't keep the recomendations ☐9. More plants grow ☐10. Plants are more even ☐11. The plants look bigger / greener ☐12. My productivity gets greater ☐13. Other (specify) _____
2.1.17 Did you applied YARA fertilizers in any of your plots in this cycle?		☐1. Yes ☐2. No ☐-888 DK ☐-999 DA
2.1.18 Why?	☐1. Because they are too expenYesve ☐2. Because I didn't have money ☐3. Because I didn't get the government's resource ☐4 Used them before and DID NOT saw results ☐5. Had never used them because he/she **DO NOT** thinks that producivity will be greater ☐6. Doesn't want to put chemicals on his/her plants	☐7. The distributor said that he/she couldn't make the mixture just for him/ her ☐8. More plants grow ☐9. Plants are more even ☐10. The plants look bigger / greener ☐11. My productivity gets greater ☐12. Other (specify) _____

V20160929 Producer's ID |__|__|-|__|__|-||__|__|

ENUMERATOR CONFIRM THE INFORMATION OF THE SOWED SURFACE WITH MAIZE AND THEN ASK HOW MUCH WILL HE/SHE PRODUCE AS MINIMUM AND MAXIMUM

2.1.19 Plot's ID	2.1.20 DAme	2.1.21 Treatment or testimony	2.1.22 Plot's locality	2.1.23 Total plot's surface in hectares	2.1.24 Sup. total de la parcela con maíz en hectáreas	2.1.25 Sowing date dd/mm/yyyy	2.1.26 How many chemical fertilizer aplications did you perform during the 2016 cycle, including sowing?	2.1.27 Did you applied the fertilizers to the polish, with uDA Hose or with fertilizer?	2.1.28 Ddi you cover the fertilizer the same day you applied it?	2.1.29 Did you use the fertilization formulas that we gave to you last year?	2.1.30 Did you applied YARA fertilizers?	2.1.31 How many herbicide aplications did you perfem in the 2016 Spring-Summer cycle?	2.1.32 How many prestic ide aplications did you perfe m in the 2016 Spring - Summercycle?	2.1.33 What do you think this year's production will be?	2.1.34 What do you think this year's production at ñ{minimum will be?	2.1.35 What do you think this year's production at maximum will be?
.21.68.23.01	El Ameyal	Treatment	Ejido Las Delicias, Huamantla	1.1 ha	0.9 ha	26/03/16	|__|	☐ 1 Polish ☐ 2 Hose ☐ 3 Fertilizer ☐ -777 Didn't fertilize	☐ 1 Yes ☐ 2 No	☐ 1 Yes ☐ 2 No ☐ -777 DA	☐ 1 Yes ☐ 2 No	|__|	|__|	|__|.|__|__| total tons	|__|__|.|__|__| total tons	|__|__|.|__|__| total tons
.21.68.23.02	**El ROSEDAL**	**Testimony**	**Ejido Las Delicias, Huamantla**	**0.7 ha**	**0.5 ha**	**02/4/16**	|__|	☐ 1 Polish ☐ 2 Hose ☐ 3 Fertilizer ☐ -777 Didn't fertilize	☐ 1 Yes ☐ 2 No	☐ 1 Yes ☐ 2 No ☐ -777 N	☐ 1 Yes ☐ 2 No	|__|	|__|	|__|.|__|__| total tons	|__|__|.|__|__| total tons	|__|__|.|__|__| total tons
.21.68.23.03	**El arbolito**	**New plot 2016**	**Ejido Las Delicias, Huamantla**	**1 ha**	**0.5 ha**	**02/4/16**	|__|	☐ 1 Polish ☐ 2 Hose ☐ 3 Fertilizer ☐ -777 Didn't fertilize	☐ 1 Yes ☐ 2 No	☐ 1 Yes ☐ 2 No ☐ -777 N	☐ 1 Yes ☐ 2 No	|__|	|__|	|__|.|__|__| total tons	|__|__|.|__|__| total tons	|__|__|.|__|__| total tons
.21.68.23.04	**La estación**	**New plot 2016**	**Ejido Las Delicias, Huamantla**	**1 ha**	**0.5 ha**	**02/4/16**	|__|	☐ 1 Polish ☐ 2 Hose ☐ 3 Fertilizer ☐ -777 Didn't fertilize	☐ 1 Yes ☐ 2 No	☐ 1 Yes ☐ 2 No ☐ -777 N	☐ 1 Yes ☐ 2 No	|__|	|__|	|__|.|__|__| total tons	|__|__|.|__|__| total tons	|__|__|.|__|__| total tons
							|__|	☐ 1 Polish ☐ 2 Hose ☐ 3 Fertilizer ☐ -777 Didn't fertilize	☐ 1 Yes ☐ 2 No	☐ 1 Yes ☐ 2 No ☐ -777 N	☐ 1 Yes ☐ 2 No	|__|	|__|	|__|.|__|__| total tons	|__|__|.|__|__| total tons	|__|__|.|__|__| total tons

2.1.36 Please show me in which plots did you applied urea/white **(WRITE DOWN THE LAS TWO DIGITS OF THE PLOT'S CODE)**	|__|__|, |__|__|, |__|__|, |__|__|, |__|__|,|__|__| ☐ -777 Didn't apply UREA in any of his/her plots
2.1.37 Please show me in which plots did you applied dap/black **(WRITE DOWN THE LAS TWO DIGITS OF THE PLOT'S CODE)**	|__|__|, |__|__|, |__|__|, |__|__|, |__|__|,|__|__| ☐ -777 Didn't apply DAP in any of his/her plots
2.1.38 Please show me in which plots did you applied kcl/red **(WRITE DOWN THE LAS TWO DIGITS OF THE PLOT'S CODE)**	|__|__|, |__|__|, |__|__|, |__|__|, |__|__|,|__|__| ☐ -777 Didn't apply KCL in any of his/her plots
2.1.39 Please show me in which plots did you applied Microelements like boron, zinc, magnesium **(WRITE DOWN THE LAS TWO DIGITS OF THE PLOT'S CODE)**	|__|__|, |__|__|, |__|__|, |__|__|, |__|__|,|__|__| ☐ -777 Didn't apply Microelements in any of his/her plots

2.2 PRODUCER'S TIME USE

2.2.1 Besides your occupation as agricultor,do you have some other occupation whereby you receive income?	2.2.2 What is your occupation? **ENUMERATOR CHECK ALL THAT APPLY**		2.2.3 How many hours per week do you dedicate to this (those) activity(ies)?	2.2.4 How many hours per week do you dedicate to your plots?
☐1.Yes ☐2.No → **Go to 2.2.4** ☐-888 DK ☐-999 DA	☐1. Bricklayer ☐2. Carrier ☐3. Field hand ☐4. Professional (teacher, agronomist, etc.) ☐5. Trader	☐6. Rancher ☐7. Watchman ☐8. Laborer ☐9. Other: _____	|__|__|__|__| hours ☐-888 DK ☐-999 DA	|__|__|__|__| hours ☐-888 DK ☐-999 DA

2.3 CREDIT

ENUMERATOR READ: I will now ask you some questions about your financial requirements to sow in all your plots in the 2016 Spring-Summer cycle?

2.3.1 Suppose that someone offers you a credit so you could pay for everything left related to your plots. Suppose that this credit has a fair interest rate and that you are going to pay the credit (with interests included) after the harvest. Would you accept it?	☐1.Yes ☐2.No	☐-888 DK ☐-999 DA
2.3.2 In this cycle, did you have enough money to buy the fertilizer and the material you needed ***for sowing***?	☐1.Yes → **Go to 2.3.4** ☐2.No	☐-888 DK ☐-999 DA
2.3.3 How much money per hectare were you short in order to ***sow*** the way you would have wanted?	|__|__|__|__| MXN	
2.3.4 In this cycle, did you have enough money to buy the fertilizer and the material you needed ***for the crops follow-up?***	☐1.Yes → **Go to 2.3.6** ☐2.No	☐-888 DK ☐-999 DA
2.3.5 How much money were you short in order to ***follow-up your plot the way you would have wanted***?	|__|__|__|__| MXN	
2.3.6 Did you find everything you wanted to buy?	☐1.Yes → **Go to 2.3.8** ☐2.No	☐-888 DK ☐-999 DA

2.3.7 What would you have liked to buy that you didn't find? **WRITE ACCORDING TO CATALOGUE IF POSSIBLE IF NOT WRITE ON THE LINE DESIGNATED FOR IT**	|__|__|__|__|;|__|__|__|__|;|__|__|__|__|;|__|__|__|__| _____ _____

2.3.8 Did you request a credit or a loan this year for matters related to agriculture?	2.3.9 Why not? **ENUMERATOR LISTEN AND CHECK ALL THAT APPLY** **→ Go to 2.4 SEGURO**	2.3.10 In which month did you request it?	2.3.11 How much did you request? (pesos or monetary value of what was requested in kind)	2.3.12 To whom did you request it?	2.3.13 If it was granted, in which month would you have to return it?	2.3.14 If it was granted, what is the total amount that you have to return?	2.3.15 What annual rate they offered you? (percentage)	2.3.16 Was it granted?	2.3.17 Could you pay it/are you up-to-date with the payments?
☐1.Yes → **Go to 2.3.10** ☐2.No	☐1. They ask for many requirements ☐2. Due to high interest rates/they are expensive ☐3. Doesn't like to be indebted ☐4. Has not had the need ☐5. Acquaintances' bad experiences ☐6. Does not know whom to request ☐7. Takes a lot of time ☐8. Didn't have a guarantee ☐9. Other:**(SPECIFY)** _____ _____ ☐-888 DK ☐-999 DA	12.☐2015 Dec 1. ☐2016 Jan 2. ☐2016 Feb 3. ☐2016 Mar 4. ☐2016 Apr 5. ☐2016 May 6. ☐2016 June 7. ☐2016 July 8. ☐2016 Aug ☐-888 DK ☐-999 DA	|__|__|__|__|__|$ ☐-888 DK ☐-999 DA	☐1. Relative / Acquaintance ☐2. Jobber / Moneylender ☐3. FIRA ☐4. Rural Financial ☐5. Office ☐6. Pawnshop / Monte de Piedad ☐7. Other (spec): _____	3. ☐2016 Mar 4. ☐2016 Apr 5. ☐2016 May 6. ☐2016 June 7. ☐2016 July 8. ☐2016 Aug 9. ☐2016 Sept 10. ☐2016 Oct 11. ☐2016 Nov 12. ☐2016 Dec 13. Other: 2017 _____ ☐-888 DK ☐-999 DA	|__|__|__|__|__| $ ☐-888 DK ☐-999 DA	_____% ☐-888 DK ☐-999 DA	☐1. Yes ☐2. No →**Go to 2.4 INSURANCE** ☐3. It is still pending →**Go to 2,4 INSURANCE** ☐-888 DK ☐-999 DA	☐1.Yes ☐2.No ☐-777 it is not time yet ☐-888 DK ☐-999 DA

2.4 Insurance

2.4.1 Do you have agricultural insurance in this 2016 cycle (even if you didn't pay for it)?	2.4.2 What was the cost of the agricultural insurance? ($/ha)	2.4.3 What risk factors were covered by this 2016 cycle insurance? **ENCUESTADOR ESCUCHE Y ANOTE TODAS LAS QUE APLIQUEN**	
☐1.Yes ☐2.No → **GO TO Section 3. Practices** ☐-888 DK ☐-999 DA	|__|__|__|__| $/ha ☐- 777 He/she didn't pay for it ☐-888 DK ☐-999 DA	☐1. Frost ☐2. Hail ☐3. Drought ☐4. Winds ☐5. Floods	☐6. Fire ☐7. Plague ☐8. Other:_____ ☐-888 DK ☐-999 DA

V20160929 Producer's ID |__|__|-|__|__|-||__|__|

2.5 2016 Fertilizers purchases

ENUMERATOR READ Now I am going to ask you some questions about your fertilizer purchases in 2016 for **all your plots sown with maize or other crop**

2.5.1. How many hectares did you sow in total during the spring summer 2016 cycle with maize or other crops? |__|__|__|.|__|__| ha

2.5.2. How many times did you buy fertilizers in this cycle?? |__|__| times **IF THE ANSWER IS ZERO GO TO S.3 AGRICULTURAL PRACTICES**

ENUMERATOR please fill a copy for each purchase at a different distributor or same distributor but different dates.

	2.5.3. Date dd/mm/aa	2.5.4. Who did you buy the fertilizers from? READ OPTIONS	2.5.5. In which locality is your distributor or warehouse placed?	2.5.6. Which fertilizers did you buy? Show the catalog	2.5.7. [Fertilizer] brand 1 Agrogen 2 Yara 3 ADM 4 FYPA 5 SUMAGRO 6 Nutrigen 7 Other (Specify) --777 Was not looking for a specific brand	2.5.8. How many bags of [Fertilizer] did you buy?		2.5.9. How much did you pay for the bag of [Fertilizer]?	2.5.10. Did you pay [Fertilizer] at the price subsidized by the government?	2.5.11. How much did you pay to transport it?
1	|__|__|/ |__|__|/ |__|__|	☐ 1 Government's warehouse ☐ 2 Yara's distributor ☐ 3 Other private distributor (specify)_____	☐ 1 Altlzayanca Locality_____ ☐ 2 Cuapiaxtrla Locality_____ ☐ 3 Huamantla Locality_____ ☐ 4 Muñoz Locality_____ ☐ 5 Xalostoc Locality_____ ☐ 6 Other_____ Locality_____	☐ 1 UREA	__|_____	|__|__|__|__|	☐ 1. Bag 25 kg ☐ 2. Bag 50 kg	|__|__|__|__| $/t	☐1. Si ☐2.No	|__|__|__|__| $/t EN: If the producer bought in two places on the same day, record the cost of transportation on the first purchase and for the following purchases rite -777 Not applicable - made several purchases on the same day
				☐ 2 DAP	__|_____	|__|__|__|__|	☐ 1. Bag 25 kg ☐ 2. Bag 50 kg	|__|__|__|__| $/t	☐1. Si ☐2.No	
				☐ 3 KCL	__|_____	|__|__|__|__|	☐ 1. Bag 25 kg ☐ 2. Bag 50 kg	|__|__|__|__| $/t	☐1. Si ☐2.No	
				☐ 4 Microelements	__|_____	|__|__|__|__|	☐ 1. Bag 25 kg ☐ 2. Bag 50 kg	|__|__|__|__| $/t	☐1. Si ☐2.No	
				☐ 5 Super fosfato triple	__|_____	|__|__|__|__|	☐ 1. Bag 25 kg ☐ 2. Bag 50 kg	|__|__|__|__| $/t	☐1. Si ☐2.No	
				☐ 6 Mezcla SUMAGRO del gobierno Micros	__|_____	|__|__|__|__|	☐ 1. Bag 25 kg ☐ 2. Bag 50 kg	|__|__|__|__| $/t	☐1. Si ☐2.No	
				☐ 7 Mezcla NUTRIGEN de gobierno Macros	__|_____	|__|__|__|__|	☐ 1. Bag 25 kg ☐ 2. Bag 50 kg	|__|__|__|__| $/t	☐1. Si ☐2.No	
				☐ 8 YaraMIla Star	__|_____	|__|__|__|__|	☐ 1. Bag 25 kg ☐ 2. Bag 50 kg	|__|__|__|__| $/t	☐1. Si ☐2.No	
				☐ 9 Otra: _____	__|_____	|__|__|__|__|	☐ 1. Bag 25 kg ☐ 2. Bag 50 kg	|__|__|__|__| $/t	☐1. Si ☐2.No	

2.5.12. In the warehouse, was there any fertilizer that you would have wanted to buy? If so, which and what brand?

1 Agrogen
2 Yara
3 ADM
4 FYPA
5 SUMAGRO
6 Nutrigen
7 Otro (Esp _____-

--777 Was not looking for a specific brand

☐ 1 UREA / Brand ___
☐ 2 DAP / Brand ___
☐ 3 KCL/ Brand ___
☐ 4 Microelements / Brand ___
☐ 5 Super fosfato 3/ Brand ___
☐ 6 QFD Mix / Brand ___
☐ 7 Other Brand ___
☐ 8 Other Brand ___

☐ 0 There was not any product missing in the warehouse / I found all the products I wanted to buy

2.5.13. Why did you buy fertilizer mixtures instead of buying them separately and mixing them yourself? EN ONLY ASK IF HE/SHE ACQUIRED FERTILIZER MIXTURES - LISTEN & WRITE DOWN	☐ 1. Because they have more nutrients ☐ 2. Because they are chepear ☐ 3. Because they did not sell Urea, DAP or KCl separately at the warehouse ☐ 4. Becuase the seller told me they were better	☐ 5. Because I save the labor of mixing them up ☐6. Because I always use them ☐ 7.Because I got good results with them last year ☐ 8. Other:_____ ☐ -777 Producer did not buy mixtures

3- AGRICULTURAL PRACTICES

ENUMERATOR: In the agricultural practices section you will be asked about the **AREA WHERE YOU PERFORM THE PRACTICES** registered in questions **1.2.12.1.1 o 1.2.12.2.1** for the case of the first plot in the ranking. Or questions **1.2.13.1.1 o 1.2.13.2.1** for the case of the second plotin the ranking

3.0. Soil preparation

ENUMERATOR READ: I will now ask you some questions about the area in which you performed the practices and that my coworkers measured _____ hectares

(**CONFIRM WITH MEASURE EQUIPMENT**) of the plot _____ (**WRITE DOWN THE NAME OF THE PLOT THAT YOU SELECTED IN SECTION 1**)

plot's ID (_____)

3.0.1 Did you labor the plot during the 2016 Spring-Summer cycle?	☐ 1. Yes → **Go to 3.0.6** ☐ 2. No
3.0.2 The person that labored the plot during the 2016 Spring-Summer cycle is male or female?	☐ 1. Male ☐ 2. Female
3.0.3 What's the name of the person that labored the plot during the 2016 Spring-Summer cycle?	|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|
3.0.4 What age does he/she has?	|__|__| years ☐-888 DK ☐-999 DA
3.0.5 What is your relationship with the person that labored the plot?	☐ 1. Husband/Wife ☐ 4. Grandson/Granddaughter ☐ 2. Father/Mother ☐ 5. None ☐ 3. Son/Daughter ☐ 6. Other: _____

3.0.6 In the 2016 Spring-Summer cycle, did you perform soil preparation activities in the PRACTICES / NO PRACTICES AREA?	3.0.7 How many times did you perform each activity? **ENUMERATOR: ENTER 0 IF AN ACTIVITY WAS NOT PERFORMED, -888 DK, -999 DA**	3.0.8 On average, how much did each activity cost for the **XXXX hectares** that my coworkersmeasured? **ENTER -888 DK -999 DA -777 Didn't perform this activity**	3.0.9 Did you apply any organic fertilizers or soil improvers before sowing?
☐ 1. Yes ☐ 2. No → **GO TO SECTION 3.0.9** ☐ -888 DK ☐ -999 DA	1. Rake/pre-fallow |__|__|__|__|__| times 2. Subsoiling |__|__|__|__|__| times 3. Fallow |__|__|__|__|__| times 4. Hoeing |__|__|__|__|__| times 5. Other 1: _____|__|__|__|__|__| times 6. Other 2: _____|__|__|__|__|__| times	1. Rake/pre-fallow |__|__|__|__|__| MXN/ha 2. Subsoiling |__|__|__|__|__| MXN/ha 3. Fallow |__|__|__|__|__| MXN/ha 4. Rastreo |__|__|__|__|__| MXN/ha 5. Other 1: _____|__|__|__|__|__| MXN/ha 6. Other 2: _____|__|__|__|__|__| MXN/ha	☐ 1. Yes ☐ 2. No → **GO TO 3.1 SOWING** ☐ -888 DK ☐ -999 DA

[PRODUCT]	3.0.10 Did you apply **[PRODUCT]** before the 2016 Spring-Summer sowing cycle?	3.0.11 How much **[PRODUCT]** did you apply before the sowing in the PRACTICES/NO PRACTICES AREA?	3.0.12 How did you get it? **ENUMERATOR CHECK ALL THAT APPLY**	3.0.13 From the **[R 3.0.11]** bulges/kilograms that you applied, how many bulges/kilograms of **[PRODUCT]** did you obtain via:	3.0.14 What was the total **per hectare** cost of **[PRODUCT]**?
A) Organic fertilizers	☐ 1. Yes ☐2. No → **GO TO NEXT PRODUCT**	|__|__|__|__| ☐ 1. Kg	☐1. Production of his/her animals	|__|__|__|__| ☐ 1. Kg ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $/ha
			☐2. Government's subsidized price purchase	|__|__|__|__| ☐ 1. Kg ☐ 2. 25kg B ☐ 3. 50kg	|__|__|__|__| $/ha

	☐-888 DK ☐-999 DA	☐ 2. 25 kg Bulge ☐ 3. 50 kg Bulge		B	
			☐3. Government fertilizers delivery	|__|__|__|__| ☐ 1. Kg ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $/ha
			☐4 Other_____	|__|__|__|__| ☐ 1. Kg ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $/ha
B) Soil improvers	☐ 1. Yes ☐2. No →**GO TO 3.0.15.** ☐-888 DK ☐-999 DA	|__|__|__|__| ☐ 1. Kg ☐ 2. 25 kg Bulge ☐ 3. 50 kg Bulge	☐1. Purchased from distributor at normal price	|__|__|__|__| ☐ 1. Kg ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $/ha
			☐2. Government's subsidized Price purchase	|__|__|__|__| ☐ 1. Kg ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $/ha
			☐3. Government delivery	|__|__|__|__| ☐ 1. Kg ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $/ha
			☐4 Other_____	|__|__|__|__| ☐ 1. Kg ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $/ha

3.0.15 How much did you spend <u>in total</u> in the organic fertilizer and/or soil improver transportation from the place of purchase to your plot?	|__|__|__|__|__| $ ☐-888 DK ☐-999 DA
3.0.16 The organic fertilizer and/or soil improver implementation was manual or mechanical?	☐1. Manual →**GO TO 3.1 SOWING** ☐2. Mechanical ☐3. Both
3.0.17 What was the <u>total</u> cost of the machinery?	|__|__|__|__|__| $/ha ☐-888 DK ☐-999 DA

3.1. 2016 Sowing

3.1.1 How many furrows in total did you sow in the PRACTICES/NO PRACTICES AREA?	3.1.2. Indicate everything you sowed in the PRACTICES/ NO PRACTICES AREA in the 2016 Spring-Summer cycle 1. Maize 2. Oatmeal 3. Wheat 4. Barley 5. Beans 6. Sorghum 7. Tomato 8.Pumpkin 9.Amaranth 10.Other **(SPEC.)**	3.1.3. How many furrows did you sow from the previous crops in the 2016 Spring-Summer cycle?	3.1.4. What percentage of the PRACTICES/ NO PRACTICES AREA occupies the crop **[CROP NAME]**? **ENUMERATOR: VERIFY THAT THE SUM OF THE COLUMN IS 100%**	3.1.5. In which way did you sow them?	3.1.6. In which date did you sow maize in the PRACTICES/NO PRACTICES AREA this year?	3.1.7. Did the soil was wet during the sowing?
|__|__| furrows ☐-888 DK ☐-999 DA	A.|__| _____	A.|__|__| furrows ☐-888 DK ☐-999 DA	|__|__|__|% ☐-888 DK ☐-999 DA	☐ 1. Separated ☐ 2. Mixed ☐-777 Sowed 1 crop or didn't sow ☐-888 DK ☐-999 DA	__/__/2016 ☐-888 DK ☐-999 DA	☐ 1. Yes ☐ 2. No ☐ -888 DK ☐ -999 DA
	B.|__| _____	B.|__|__| furrows ☐-888 DK ☐-999 DA	|__|__|__|% ☐-888 DK ☐-999 DA			
	C.|__| _____	C.|__|__| furrows ☐-888 DK ☐-999 DA	|__|__|__|% ☐-888 DK ☐-999 DA			
	D.|__| _____	D.|__|__| furrows ☐-888 DK ☐-999 DA	|__|__|__|% ☐-888 DK ☐-999 DA			
	E.|__| _____	E.|__|__| furrows ☐-888 DK ☐-999 DA	|__|__|__|% ☐-888 DK ☐-999 DA			
	☐-888 DK ☐-999 DA	☐-888 DK ☐-999 DA	☐-888 DK ☐-999 DA			

3.1.8. What type of maize seeds did you sow in the 2016 Spring-Summer cycle?	3.1.9. How many seeds did you sow? (quantity/total)	3.1.10. How much money in total did you spend on seeds for your PRACTICES/ NO PRACTICES AREA?	3.1.11. How did you sow? **ENUMERATOR: CHECK ALL THAT APPLY**	3.1.12. What type of machinery did you use?	3.1.13. Does the seed drill is yours or was rented?	3.1.14. How much did the machinery rental cost in total?	3.1.15. How much did the fuel cost in total?
☐1. Creole ☐2. Improved	1. Creole: |__|__|__|__| Kg/ha 2. Improved |__|__|__|__| Thousands/ha	|__|__|__|__|$ ☐-888 DK ☐-999 DA	☐1. Shovel/tapapie(plow) **→Go to 3.1.16** ☐2. Yoke ☐3. Mechanical	☐ 1. Precision ☐ 2. Semi-precision	☐1. Owned**→Go to 3.1.15** ☐2. Borrowed **→Go to 3.1.15** ☐3. Rented	|__|__|__|__| MXN/ha **→Go to 3.1.16** ☐-888 DK ☐-999 DA	|__|__|__|__| MXN/ha ☐-888 DK ☐-999 DA

3.1.16. After sowing, how many furrows did you have to re-sow in the PRACTICES/ NO PRACTICES AREA?	3.1.17. After re-sowing, how many furrows in total remained with seeds or plants in the PRACTICES/ NO PRACTICES AREA?	3.1.18. Indicate every crop that stayed sown after the re-sowing of the PRACTICES/ NO PRACTICES AREA 1. Maize 2.Oatmeal 3. Wheat 4. Barley 5. Beans 6. Sorghum 7. Tomato 8. Pumpkin 9. Amaranth 10.Other(SPEC.)	3.1.19. How many furrows of the previous crops stayed sown at the end in the PRACTICES/ NO PRACTICES AREA in the 2016 Spring-Summer cycle?	3.1.20. What percentage of the test hectare occupies the **[CROP]**? **ENUMERATOR: VERIFY THAT THE SUM OF THE COLUMN IS 100%**	3.1.21. In which way did you re-sow them?	3.1.22. In which date did you re-sow maize in the PRACTICES /NO PRACTICES AREA this year?
|__|__|__|__| furrows **→if he/she didn't re-sow enter -777 and go to 3.2 Sowing fertilization**	|__|__|__|__| furrows	A. |__| B. |__| C. |__| D. |__| E. |__| ☐-888 DK ☐-999 DA	A. |__| furrows ☐-888 DK ☐-999 DA B. |__| furrows ☐-888 DK ☐-999 DA C. |__| furrows ☐-888 DK ☐-999 DA D. |__| furrows ☐-888 DK ☐-999 DA E. |__| furrows ☐-888 DK ☐-999 DA ☐-888 DK ☐-999 DA	|__|__|__|% ☐-888 DK ☐-999 DA |__|__|__|% ☐-888 DK ☐-999 DA |__|__|__|% ☐-888 DK ☐-999 DA |__|__|__|% ☐-888 DK ☐-999 DA |__|__|__|% ☐-888 DK ☐-999 DA	☐ 1. Separated ☐ 2. Mixed ☐-777 Re-sowed 1 crop or didn't re-sow ☐-888 DK ☐-999 DA	__/__/2015 ☐-777 DA ☐-888 DK ☐-999 DA

V20160929 Producer's ID |__|__|-|__|__|-||__|__|

3.2. Sowing fertilization

3.2.1 Did you apply chemical fertilizers during the sowing in your PRACTICES/ NO PRACTICES AREA?	☐1 Yes	☐2 No → **Go to NEXT SECTION 3.3**
3.2.2 How much did you spend in the fertilizers transportation from the purchase place to your plot?	|__|__|__|__|__| $	☐-888 DK ☐-999 DA
3.2.3 The application was manual or mechanical?	☐ 1. Manual→ **Go to 3.2.5**	☐ 2. Mechanical ☐ 3. Both
3.2.4 What was the total cost of the fertilization machinery?	|__|__|__|__| $	☐-777 INCLUDED IN THE SEED DRILL ☐-888 DK ☐-999 DA

ENUMERATOR READ: I will now ask you about the fertilizers you used in the sowing of the PRACTICES/ NO PRACTICES AREA

[Fertilizer]	3.2.5 Did you use **[Fertilizer]** during sowing of the 2016 Spring-Summer cycle?	3.2.6 How much **[Fertilizer]** did you apply in sowing **in total**?	3.2.7 How did you get it? **ENUMERATOR CHECK ALL THAT APPLY**	3.2.8 From the **[R 3.2.6]** bulges/kilograms that you applied, how many bulges/kilograms of **[PRODUCT]** did you obtain via:	3.2.9 What was the total cost of **[Fertilizer]**?	3.2.10 Brand of **[Fertilizer]** 1 Agrogen 2 Yara 3 ADM 4 FYPA 5 Other (Specify) -888 DK -999 DA
A) Urea or White	☐ 1. Yes ☐2. No **→GO NEXT FERT.** ☐-888 DK ☐-999 DA	|__|__|__|__| ☐ 1. Kg ☐ 2. 25 kg Bulge ☐ 3. 50 kg Bulge	☐ 1. Purchased from distributor at normal price	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|_____
			☐ 2. Government's subsidized price purchase	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|_____
			☐ 3. Government fertilizers delivery	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|_____
			☐ 4. Other_____	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|_____
B) DAP or Black	☐ 1. Yes ☐2. No **→GO NEXT FERT.** ☐-888 DK ☐-999 DA	|__|__|__|__| ☐ 1. Kg ☐ 2. 25 kg Bulge ☐ 3. 50 kg Bulge	☐ 1. Purchased from distributor at normal price	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|_____
			☐ 2. Government's subsidized price purchase	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|_____
			☐ 3. Government fertilizers delivery	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|_____
			☐ 4. Other_____	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|_____
C) KCL or Red	☐ 1. Yes ☐2. No **→GO NEXT FERT.** ☐-888 DK ☐-999 DA	|__|__|__|__| ☐ 1. Kg ☐ 2. 25 kg Bulge ☐ 3. 50 kg Bulge	☐ 1. Purchased from distributor at normal price	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|_____
			☐ 2. Government's subsidized price purchase	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|_____
			☐ 3. Government fertilizers delivery	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|_____
			☐ 4. Other_____	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|_____
D) Triple super-phosphate	☐ 1. Yes ☐2. No **→GO NEXT FERT.** ☐-888 DK	|__|__|__|__| ☐ 1. Kg ☐ 2. 25 kg Bulge	☐ 1. Purchased from distributor at normal price	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|_____
			☐ 2. Government's subsidized price purchase	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|_____
			☐ 3. Government fertilizers delivery	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3.	|__|__|__|__| $	|__|_____

	☐-999 DA	☐ 3. 50 kg Bulge		50kg B		
			☐ 4. Other_____	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|_____
E) Ammonium sulfate	☐ 1. Yes ☐2. No **→GO NEXT FERT.** ☐-888 DK ☐-999 DA	|__|__|__|__| ☐ 1. Kg ☐ 2. 25 kg Bulge ☐ 3. 50 kg Bulge	☐ 1. Purchased from distributor at normal price	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|_____
			☐ 2. Government's subsidized price purchase	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|_____
			☐ 3. Government fertilizers delivery	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|_____
			☐ 4. Other_____	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|_____
F) Organic fertilizer	☐ 1. Yes ☐2. No **→GO NEXT FERT.** ☐-888 DK ☐-999 DA	|__|__|__|__| ☐ 1. Kg ☐ 2. 25 kg Bulge ☐ 3. 50 kg Bulge	☐ 1. Purchased from distributor at normal price	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|_____
			☐ 2. Government's subsidized price purchase	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|_____
			☐ 3. Government fertilizers delivery	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|_____
			☐ 4. Other_____	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|_____
G) Mezcla SUMAGRO del gobierno Micros	☐ 1. Yes ☐2. No **→GO NEXT FERT.** ☐-888 DK ☐-999 DA	|__|__|__|__| ☐ 1. Kg ☐ 2. 25 kg Bulge ☐ 3. 50 kg Bulge	☐ 1. Purchased from distributor at normal price	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|_____
			☐ 2. Government's subsidized price purchase	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|_____
			☐ 3. Government fertilizers delivery	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|_____
			☐ 4. Other_____	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|_____
H) Mezcla NUTRIGEN del gobierno/macros	☐ 1. Yes ☐2. No **→GO NEXT FERT.** ☐-888 DK ☐-999 DA	|__|__|__|__| ☐ 1. Kg ☐ 2. 25 kg Bulge ☐ 3. 50 kg Bulge	☐ 1. Purchased from distributor at normal price	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|_____
			☐ 2. Government's subsidized price purchase	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|_____
			☐ 3. Government fertilizers delivery	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|_____
			☐ 4. Other_____	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|_____
I) Other _____ (See catalogue)	☐ 1. Yes ☐2. No **→GO TO 3.2.12** ☐-888 DK ☐-999 DA	|__|__|__|__| ☐ 1. Kg ☐ 2. 25 kg Bulge ☐ 3. 50 kg Bulge	☐ 1. Purchased from distributor at normal price	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|_____
			☐ 2. Government's subsidized price purchase	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|_____
			☐ 3. Government fertilizers delivery	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|_____
			☐ 4. Other_____	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|_____

3.3. Fertilization during crop development

3.3.0.1 Without counting sowing, did you apply chemical fertilizers at least once during ***the crop development*** in the 2015 Spring-Summer cycle?	☐1 Yes ☐2 No →**Go to 3.4 HERBICIDES**
3.3.0.2 How many times did you fertilized during the crop development in the 2016 Spring-Summer cycle?	|__|__| **ENUMERATOR: YOU SHOULD FILL UP SECCTIONS 3.3.1 and 3.3.2 ACCORDING TO THE NUMBER OF FERTILIZATIONS DONE, AS APPROPIATE.**
3.3.0.3 In which date did you fertilize?	1. First (1st) fertilization after sowing Date:_____/_____/2016 2. Second (2nd) fertilization after sowing Date: _____/_____/2016

3.3.1 First Fertilization after sowing

ENUMERATOR READ: I will now ask you about the fertilizers used in the first fertilization after sowing in the PRACTICES/ NO PRACTICES AREA_____

[Fertilizer]	3.3.1.1 Did you use **[Fertilizer]** during the first implementation of the 2016 Spring-Summer cycle?	3.3.1.2 How much **[Fertilizer]** did you apply in the first implementation?	3.3.1.3 How did you get it? **ENUMERATOR CHECK ALL THAT APPLY**	**3.3.1.4** From the **[R 3.3.1.2]** bulges/kilograms that you applied **[Fertilizer],** how many bulges/kilograms did you obtain for the first implementation via?	3.3.1.5 What was the total cost of **[Fertilizer]**?	3.3.1.6 Brand of **[Fertilizer]** 1 Agrogen 2 Yara 3 ADM 4 FYPA 5 Other (Specify) -888 DK -999 DA
A) Urea or Whitee	☐ 1. Yes ☐2. No →**GO NEXT FERT.** ☐-888 DK ☐-999 DA	|__|__|__|__| ☐ 1. Kg ☐ 2. 25 kg Bulge ☐ 3. 50 kg Bulge	☐ 1. Purchased from distributor at normal price	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|
			☐ 2. Government's subsidized price purchase	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|
			☐ 3. Government fertilizers delivery	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|
			☐ 4. Other_____	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|
B) DAP or Black	☐ 1. Yes ☐2. No →**GO NEXT FERT.** ☐-888 DK ☐-999 DA	|__|__|__|__| ☐ 1. Kg ☐ 2. 25 kg Bulge ☐ 3. 50 kg Bulge	☐ 1. Purchased from distributor at normal price	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|
			☐ 2. Government's subsidized price purchase	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|
			☐ 3. Government fertilizers delivery	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|
			☐ 4. Other_____	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|
C) KCL or Red	☐ 1. Yes ☐2. No →**GO NEXT FERT.** ☐-888 DK ☐-999 DA	|__|__|__|__| ☐ 1. Kg ☐ 2. 25 kg Bulge ☐ 3. 50 kg Bulge	☐ 1. Purchased from distributor at normal price	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|
			☐ 2. Government's subsidized price purchase	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|
			☐ 3. Government fertilizers delivery	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|
			☐ 4 Other_____	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|
D) Triple super-sulfate	☐ 1. Yes ☐2. No →**GO NEXT FERT.** ☐-888 DK ☐-999 DA	|__|__|__|__| ☐ 1. Kg ☐ 2. 25 kg Bulge ☐ 3. 50 kg Bulge	☐ 1. Purchased from distributor at normal price	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|
			☐ 2. Government's subsidized price purchase	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|
			☐ 3. Government fertilizers delivery	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|
			☐ 4 Other_____	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|
E) Ammonium	☐ 1. Yes	|__|__|__|__|	☐ 1. Purchased from distributor at normal	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|

sulfate	☐2. No →**GO NEXT FERT.** ☐-888 DK ☐-999 DA	☐ 1. Kg ☐ 2. 25 kg Bulge ☐ 3. 50 kg Bulge	price			
			☐ 2. Government's subsidized price purchase	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|
			☐ 3. Government fertilizers delivery	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|
			☐ 4 Other_____	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|
J) Mezcla SUMAGRO del gobierno Micros	☐ 1. Yes ☐2. No →**GO NEXT FERT.** ☐-888 DK ☐-999 DA	|__|__|__|__| ☐ 1. Kg ☐ 2. 25 kg Bulge ☐ 3. 50 kg Bulge	☐ 1. Purchased from distributor at normal price	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|_____
			☐ 2. Government's subsidized price purchase	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|_____
			☐ 3. Government fertilizers delivery	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|_____
			☐ 4. Other_____	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|_____
K) Mezcla NUTRIGEN del gobierno/macros	☐ 1. Yes ☐2. No →**GO NEXT FERT.** ☐-888 DK ☐-999 DA	|__|__|__|__| ☐ 1. Kg ☐ 2. 25 kg Bulge ☐ 3. 50 kg Bulge	☐ 1. Purchased from distributor at normal price	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|_____
			☐ 2. Government's subsidized price purchase	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|_____
			☐ 3. Government fertilizers delivery	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|_____
			☐ 4. Other_____	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|_____
F) Other _____ (See catalogue)	☐ 1. Yes ☐2. No →**GO TO 3.3.1.9** ☐-888 DK ☐-999 DA	|__|__|__|__| ☐ 1. Kg ☐ 2. 25 kg Bulge ☐ 3. 50 kg Bulge	☐ 1. Purchased from distributor at normal price	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|
			☐ 2. Government's subsidized price purchase	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|
			☐ 3. Government fertilizers delivery	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|
			☐ 4 Other_____	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|

3.3.1.7 How much did you spend in the fertilizer transportation from the place of purchase to your plot?	|__|__|__|__|__| $ ☐-888 DK ☐-999 DA
3.3.1.8 The implementation was manual or mechanical?	☐ 1. Manual **-> Go to 3.3.1.10** ☐ 2. Mechanical ☐ 3. Both
3.3.1.9 What was the <u>total</u> cost of the fertilization machinery?	|__|__|__|__|__| $ ☐-888 DK ☐-999 DA
3.3.1.10 Did you cover the fertilizer after the implementation?	☐ 1. Yes ☐ 2. No ☐ -888. DK ☐ -999. DA

3.3.2 Second Fertilization after sowing

ENUMERATOR VERIFY THAT THE PRODUCER FERTILIZED TWO (2) TIMES AFTER SOWING AND ASK THIS SECTION. IF HE/SHE DIDN'T FERTILIZE TWO (2) TIMES GO TO 3.4 HERBICIDES

ENUMERATOR READ: I will now ask you about the fertilizers used in the second fertilization after sowing in the PRACTICES/NO PRACTICES AREA of the plot

_____

V20160929 Producer's ID |__|__|-|__|__|-||__|__|

[Fertilizer]	3.3.2.1 Did you use [Fertilizer] during the second implementation of the 2016 Spring-Summer cycle?	3.3.2.2 How much [Fertilizer] did you apply total in the second implementation?	3.3.2.3 How did you get it? ENUMERATOR CHECK ALL THAT APPLY	**3.3.2.4** From the [R 3.3.2.2] bulges/kilograms that you applied [Fertilizer], how many bulges/kilograms did you obtain for the second implementation via?	3.3.2.5 What was the total total cost of [Fertilizer]?	3.3.2.6 Brand of [Fertilizer] 1 Agrogen 2 Yara 3 ADM 4 FYPA 5 Other (Specify) -888 DK -999 DA
A) Urea or Withe	☐ 1. Yes ☐2. No →GO NEXT FERT. ☐-888 DK ☐-999 DA	|__|__|__|__| ☐ 1. Kg ☐ 2. 25 kg Bulge ☐ 3. 50 kg Bulge	☐ 1. Purchased from distributor at normal price	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|
			☐ 2. Government's subsidized price purchase	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|
			☐ 3. Government fertilizers delivery	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|
			☐ 4 Other_____	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|
B) DAP or Black	☐ 1. Yes ☐2. No →GO NEXT FERT. ☐-888 DK ☐-999 DA	|__|__|__|__| ☐ 1. Kg ☐ 2. 25 kg Bulge ☐ 3. 50 kg Bulge	☐ 1. Purchased from distributor at normal price	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|
			☐ 2. Government's subsidized price purchase	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|
			☐ 3. Government fertilizers delivery	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|
			☐ 4 Other_____	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|
C) KCL or Red	☐ 1. Yes ☐2. No →GO NEXT FERT. ☐-888 DK ☐-999 DA	|__|__|__|__| ☐ 1. Kg ☐ 2. 25 kg Bulge ☐ 3. 50 kg Bulge	☐ 1. Purchased from distributor at normal price	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|
			☐ 2. Government's subsidized price purchase	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|
			☐ 3. Government fertilizers delivery	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|
			☐ 4 Other_____	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|
D) Triple super-sulfate	☐ 1. Yes ☐2. No →GO NEXT FERT. ☐-888 DK ☐-999 DA	|__|__|__|__| ☐ 1. Kg ☐ 2. 25 kg Bulge ☐ 3. 50 kg Bulge	☐ 1. Purchased from distributor at normal price	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|
			☐ 2. Government's subsidized price purchase	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|
			☐ 3. Government fertilizers delivery	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|
			☐ 4 Other_____	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|
E) Ammonium sulfate	☐ 1. Yes ☐2. No →GO NEXT FERT. ☐-888 DK ☐-999 DA	|__|__|__|__| ☐ 1. Kg ☐ 2. 25 kg Bulge ☐ 3. 50 kg Bulge	☐ 1. Purchased from distributor at normal price	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|
			☐ 2. Government's subsidized price purchase	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|
			☐ 3. Government fertilizers delivery	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|
			☐ 4 Other_____	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|
L) Mezcla SUMAGRO del gobierno Micros	☐ 1. Yes ☐2. No →GO NEXT FERT. ☐-888 DK ☐-999 DA	|__|__|__|__| ☐ 1. Kg ☐ 2. 25 kg Bulge ☐ 3. 50 kg Bulge	☐ 1. Purchased from distributor at normal price	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|_____
			☐ 2. Government's subsidized price purchase	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|_____
			☐ 3. Government fertilizers delivery	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|_____
			☐ 4. Other_____	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|_____

M) Mezcla NUTRIGEN del gobierno/macros	☐ 1. Yes ☐2. No →**GO NEXT FERT.** ☐-888 DK ☐-999 DA	|__|__|__|__| ☐ 1. Kg ☐ 2. 25 kg Bulge ☐ 3. 50 kg Bulge	☐ 1. Purchased from distributor at normal price	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|_____
			☐ 2. Government's subsidized price purchase	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|_____
			☐ 3. Government fertilizers delivery	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|_____
			☐ 4. Other_____	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|_____
F) Other _____ (See catalogue)	☐ 1. Yes ☐2. No →**GO TO 3.3.2.9** ☐-888 DK ☐-999 DA	|__|__|__|__| ☐ 1. Kg ☐ 2. 25 kg Bulge ☐ 3. 50 kg Bulge	☐ 1. Purchased from distributor at normal price	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|
			☐ 2. Government's subsidized price purchase	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|
			☐ 3. Government fertilizers delivery	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|
			☐ 4 Other_____	|__|__|__|__| ☐ 1. Kg/ha ☐ 2. 25kg B ☐ 3. 50kg B	|__|__|__|__| $	|__|

3.3.2.7 How much did you spend in the fertilizer transportation from the place of purchase to your plot?	|__|__|__|__|__| $	☐-888 DK	☐-999 DA
3.3.2.8 The implementation was manual or mechanical?	☐ 1. Manual →**GO TO 3.3.2.14**	☐ 2. Mechanical	☐ 3. Both
3.3.2.9 What was the <u>total</u> cost of the fertilization machinery?	|__|__|__|__|__| $/ha	☐-888 DK	☐-999 DA
3.3.2.10 Did you cover the fertilizer after the implementation?	☐ 1. Yes	☐ 2. No	☐ -888. DK ☐ -999. DA

3.4. Herbicides

Enumerator. Remember to ask the next questions for the PRACTICES /NO PRACTICES AREA

3.4.1 Did you apply any type of herbicides?	☐ 1. Yes	☐ 2. No →**GO TO PESTICIDES**	☐ -888. DK	☐ -999. DA
3.4.2 Did you apply sealer herbicides?	☐ 1. Yes	☐ 2. No	☐ -888. DK	☐ -999. DA

3.4.3 How many times did you apply herbicides in the PRACTICES/NO PRACTICES AREA?	3.4.4 Implementation	3.4.5 In which date did you apply the herbicides?	3.4.6 Which herbicide did you apply? **See catalogue**	3.4.7 How much did you apply <u>in total</u>?	3.4.8 Units	3.4.9 How much did the purchase of the herbicides cost in <u>total</u>?	3.4.10 How much did the water transportation and the workforce for this implication cost?
|_____| veces ☐ -888 DK ☐ -999 DA	1st Implementation	|__/__/2016 ☐ -888 DK ☐ -999 DA	|____| ☐ -888 DK ☐ -999 DA	|_____| ☐ -888 DK ☐ -999 DA	☐1. Kg ☐2. Lt. ☐3. bundle	|__|__|__|$ ☐ -888 DK ☐ -999 DA	|__|__|__|$ ☐ -888 DK ☐ -999 DA
			|____| ☐ -888 DK ☐ -999 DA	|_____| ☐ -888 DK ☐ -999 DA	☐1. Kg ☐2. Lt. ☐3. bundle	|__|__|__|$ ☐ -888 DK ☐ -999 DA	
	2nd Implementation	|__/__/2016 ☐ -888 DK ☐ -999 DA	|____| ☐ -888 DK ☐ -999 DA	|_____| ☐ -888 DK ☐ -999 DA	☐1. Kg ☐2. Lt. ☐3. bundle	|__|__|__|$ ☐ -888 DK ☐ -999 DA	|__|__|__|$ ☐ -888 DK ☐ -999 DA
			|____| ☐ -888 DK ☐ -999 DA	|_____| ☐ -888 DK ☐ -999 DA	☐1. Kg ☐2. Lt. ☐3. bundle	|__|__|__|$ ☐ -888 DK ☐ -999 DA	
	3rd Implementation	|__/__/2016 ☐ -888 DK ☐ -999 DA	|____| ☐ -888 DK ☐ -999 DA	|_____| ☐ -888 DK ☐ -999 DA	☐1. Kg ☐2. Lt. ☐3. bundle	|__|__|__|$ ☐ -888 DK ☐ -999 DA	|__|__|__|$ ☐ -888 DK ☐ -999 DA
			|____| ☐ -888 DK ☐ -999 DA	|_____| ☐ -888 DK ☐ -999 DA	☐1. Kg ☐2. Lt.	|__|__|__|$ ☐ -888 DK ☐ -999 DA	

					☐3. bundle		

3.5. Pesticides

Enumerator. Remember to ask the next questions for the PRACTICES /NO PRACTICES AREA

3.5.1 Did you apply any type of pesticides in the PRACTICES/NO PRACTICES in the 2016 Spring-Summer cycle?	☐ 1. Yes ☐ 2. No →**GO TO FOLIAR FERTILIZERS** ☐ -888. DK ☐ -999. DA

3.5.2 How many times did you apply pesticides in the PRACTICES/NO PRACTICES	3.5.3 Implementation	3.5.4 In which date did you apply the pesticides	3.5.5 Which pesticide did you apply? **See catalogue**	3.5.6 How much did you apply in total?	3.5.7 Units	3.5.8 How much did the purchase of the pesticides cost in total?	3.5.9 How much did the water transportation and the workforce for this implication cost?
|_____| veces ☐ -888 DK ☐ -999 DA	1st Implementation	|__/__/2016 ☐ -888 DK ☐ -999 DA	|___| ☐ -888 DK ☐ -999 DA	|_____| ☐ -888 DK ☐ -999 DA	☐1. Kg ☐2. Lt. ☐3. bundle	|__|__|__|$ ☐ -888 DK ☐ -999 DA	|__|__|__|$ ☐ -888 DK ☐ -999 DA
			|___| ☐ -888 DK ☐ -999 DA	|_____| ☐ -888 DK ☐ -999 DA	☐1. Kg ☐2. Lt. ☐3. bundle	|__|__|__|$ ☐ -888 DK ☐ -999 DA	
	2nd Implementation	|__/__/2016 ☐ -888 DK ☐ -999 DA	|___| ☐ -888 DK ☐ -999 DA	|_____| ☐ -888 DK ☐ -999 DA	☐1. Kg ☐2. Lt. ☐3. bundle	|__|__|__|$ ☐ -888 DK ☐ -999 DA	|__|__|__|$ ☐ -888 DK ☐ -999 DA
			|___| ☐ -888 DK ☐ -999 DA	|_____| ☐ -888 DK ☐ -999 DA	☐1. Kg ☐2. Lt. ☐3. bundle	|__|__|__|$ ☐ -888 DK ☐ -999 DA	
	3rd Implementation	|__/__/2016 ☐ -888 DK ☐ -999 DA	|___| ☐ -888 DK ☐ -999 DA	|_____| ☐ -888 DK ☐ -999 DA	☐1. Kg ☐2. Lt. ☐3. bundle	|__|__|__|$ ☐ -888 DK ☐ -999 DA	|__|__|__|$ ☐ -888 DK ☐ -999 DA
			|___| ☐ -888 DK ☐ -999 DA	|_____| ☐ -888 DK ☐ -999 DA	☐1. Kg ☐2. Lt. ☐3. bundle	|__|__|__|$ ☐ -888 DK ☐ -999 DA	

3.6. Foliar fertilizers

Enumerator. Remember to ask the next questions for the PRACTICES /NO PRACTICES AREA

3.6.1 Did you apply any type of foliar fertilizers in the PRACTICES/NO PRACTICES in the 2016 Spring-Summer cycle?	☐ 1. Yes ☐ 2. No →**GO TO S. TRABAJO** ☐ -888. DK ☐ -999. DA

3.6.2 How many times did you apply foliar fertilizers in the hectare	3.6.3 Implementation	3.6.4 In which date did you apply the foliar fertilizers	3.6.5 Which pesticide did you apply? **See catalogue**	3.6.6 How much did you apply in total?	3.6.7 Units	3.6.8 How much did the purchase of the pesticides cost in **total**?	3.6.9 How much did the water transportation and the workforce for this implication cost?
|_____| veces ☐ -888 DK ☐ -999 DA	1st Implementation	__/__/2016 ☐ -888 DK ☐ -999 DA	|___| ☐ -888 DK ☐ -999 DA	|_____| ☐ -888 DK ☐ -999 DA	☐1. Kg ☐2. Lt. ☐3. bundle	|__|__|__|$ ☐ -888 DK ☐ -999 DA	|__|__|__|$ ☐ -888 DK ☐ -999 DA
		__/__/2016 ☐ -888 DK ☐ -999 DA	|___| ☐ -888 DK ☐ -999 DA	|_____| ☐ -888 DK ☐ -999 DA	☐1. Kg ☐2. Lt. ☐3. bundle	|__|__|__|$ ☐ -888 DK ☐ -999 DA	
	2nd Implementatio	__/__/2016 ☐ -888 DK	|___| ☐ -888 DK ☐ -999 DA	|_____| ☐ -888 DK ☐ -999 DA	☐1. Kg ☐2. Lt.	|__|__|__|$ ☐ -888 DK ☐ -999 DA	|__|__|__|$ ☐ -888 DK ☐ -999 DA

	n	☐ -999 DA			☐3. bundle		
		__/__/2016 ☐ -888 DK ☐ -999 DA	|___| ☐ -888 DK ☐ -999 DA	|_____| ☐ -888 DK ☐ -999 DA	☐1. Kg ☐2. Lt. ☐3. bundle	|__|__|__|$ ☐ -888 DK ☐ -999 DA	
	3rd Implementation	__/__/2016 ☐ -888 DK ☐ -999 DA	|___| ☐ -888 DK ☐ -999 DA	|_____| ☐ -888 DK ☐ -999 DA	☐1. Kg ☐2. Lt. ☐3. bundle	|__|__|__|$ ☐ -888 DK ☐ -999 DA	|__|__|__|$ ☐ -888 DK ☐ -999 DA
		__/__/2016 ☐ -888 DK ☐ -999 DA	|___| ☐ -888 DK ☐ -999 DA	|_____| ☐ -888 DK ☐ -999 DA	☐1. Kg ☐2. Lt. ☐3. bundle	|__|__|__|$ ☐ -888 DK ☐ -999 DA	

V20160929 Producer's ID |__|__|-|__|__|-||__|__|

3.8. Labor

ENUMERATOR READ: Now I will ask you to think about all the tasks that you did in the PRACTICES/NO PRACTICES AREA of the plot **[NAME]** _____ in the 2016 Spring-Summer cycle and tell me how much time and labor it took to perform them.

3.7.1 Including yourself, how many people worked in the tasks related to soil preparation?	3.7.2 Including yourself, how many people worked in the tasks related to sowing?	3.7.3 Including yourself, how many people worked in the tasks related to the first hoeing?	3.7.4 Including yourself, how many people worked in the tasks related to the second hoeing?	3.7.5 Including yourself, how many people worked in the implementation of insecticides, herbicides or foliar fertilizers?	3.7.6 Including yourself, how many people worked in the tasks related to weeding?	3.7.7 **ENUMERATOR REGISTER THE TOTAL NUMBER OF WORKERS** (ADD 3.7.1 to 3.7.5)
|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|

NAME	3.7.8 Is **[NAME]** a relative or a pawn?	3.7.9 In which stages of the process did **[NAME]** participated? **[ACTIVITY]**	3.7.10 How many days did this person work during the **[ACTIVITY/IES]**?	3.7.11 What was the average per day payment for **[NAME]**? **ENUMERATOR ENTER -666 IF THE PAYMNET WAS INCLUDED IN THE MACHINERY RENTAL -777 IF DIDN'T PAY HIM/HER**
PRODUCTOR		☐ 1. Soil preparation	|__|__|	
		☐ 2. Sowing	|__|__|	
		☐ 3. First hoeing	|__|__|	
		☐ 4. Second hoeing	|__|__|	
		☐ 5. Implementation of insecticides, herbicides or foliar fertilizers	|__|__|	
		☐ 6. Weeding	|__|__|	
WORKER 1 _____	☐ 1. Relative ☐ 2. Non related pawn	☐ 1. Soil preparation	|__|__|	|__|__|__|$
		☐ 2. Sowing	|__|__|	|__|__|__|$
		☐ 3. First hoeing	|__|__|	|__|__|__|$
		☐ 4. Second hoeing	|__|__|	|__|__|__|$
		☐ 5. Implementation of insecticides, herbicides or foliar fertilizers	|__|__|	|__|__|__|$
		☐ 6. Weeding	|__|__|	|__|__|__|$
WORKER 2 _____	☐ 1. Relative ☐ 2. Non related pawn	☐ 1. Soil preparation	|__|__|	|__|__|__|$
		☐ 2. Sowing	|__|__|	|__|__|__|$
		☐ 3. First hoeing	|__|__|	|__|__|__|$
		☐ 4. Second hoeing	|__|__|	|__|__|__|$
		☐ 5. Implementation of insecticides, herbicides or foliar fertilizers	|__|__|	|__|__|__|$
		☐ 6. Weeding	|__|__|	|__|__|__|$
WORKER 3 _____	☐ 1. Relative ☐ 2. Non related pawn	☐ 1. Soil preparation	|__|__|	|__|__|__|$
		☐ 2. Sowing	|__|__|	|__|__|__|$
		☐ 3. First hoeing	|__|__|	|__|__|__|$
		☐ 4. Second hoeing	|__|__|	|__|__|__|$
		☐ 5. Implementation of insecticides, herbicides or foliar fertilizers	|__|__|	|__|__|__|$
		☐ 6. Weeding	|__|__|	|__|__|__|$
WORKER 4 _____		☐ 1. Soil preparation	|__|__|	|__|__|__|$
		☐ 2. Sowing	|__|__|	|__|__|__|$

	☐ 1. Relative ☐ 2. Non related pawn	☐ 3. First hoeing	|__|__|	|__|__|__|$
		☐ 4. Second hoeing	|__|__|	|__|__|__|$
		☐ 5. Implementation of insecticides, herbicides or foliar fertilizers	|__|__|	|__|__|__|$
		☐ 6. Weeding	|__|__|	|__|__|__|$
WORKER 5 _____	☐ 1. Relative ☐ 2. Non related pawn	☐ 1. Soil preparation	|__|__|	|__|__|__|$
		☐ 2. Sowing	|__|__|	|__|__|__|$
		☐ 3. First hoeing	|__|__|	|__|__|__|$
		☐ 4. Second hoeing	|__|__|	|__|__|__|$
		☐ 5. Implementation of insecticides, herbicides or foliar fertilizers	|__|__|	|__|__|__|$
		☐ 6. Weeding	|__|__|	|__|__|__|$
WORKER 6 _____	☐ 1. Relative ☐ 2. Non related pawn	☐ 1. Soil preparation	|__|__|	|__|__|__|$
		☐ 2. Sowing	|__|__|	|__|__|__|$
		☐ 3. First hoeing	|__|__|	|__|__|__|$
		☐ 4. Second hoeing	|__|__|	|__|__|__|$
		☐ 5. Implementation of insecticides, herbicides or foliar fertilizers	|__|__|	|__|__|__|$
		☐ 6. Weeding	|__|__|	|__|__|__|$
WORKER 7 _____	☐ 1. Relative ☐ 2. Non related pawn	☐ 1. Soil preparation	|__|__|	|__|__|__|$
		☐ 2. Sowing	|__|__|	|__|__|__|$
		☐ 3. First hoeing	|__|__|	|__|__|__|$
		☐ 4. Second hoeing	|__|__|	|__|__|__|$
		☐ 5. Implementation of insecticides, herbicides or foliar fertilizers	|__|__|	|__|__|__|$
		☐ 6. Weeding	|__|__|	|__|__|__|$
WORKER 8 _____	☐ 1. Relative ☐ 2. Non related pawn	☐ 1. Soil preparation	|__|__|	|__|__|__|$
		☐ 2. Sowing	|__|__|	|__|__|__|$
		☐ 3. First hoeing	|__|__|	|__|__|__|$
		☐ 4. Second hoeing	|__|__|	|__|__|__|$
		☐ 5. Implementation of insecticides, herbicides or foliar fertilizers	|__|__|	|__|__|__|$
		☐ 6. Weeding	|__|__|	|__|__|__|$
WORKER 9 _____	☐ 1. Relative ☐ 2. Non related pawn	☐ 1. Soil preparation	|__|__|	|__|__|__|$
		☐ 2. Sowing	|__|__|	|__|__|__|$
		☐ 3. First hoeing	|__|__|	|__|__|__|$
		☐ 4. Second hoeing	|__|__|	|__|__|__|$
		☐ 5. Implementation of insecticides, herbicides or foliar fertilizers	|__|__|	|__|__|__|$
		☐ 6. Weeding	|__|__|	|__|__|__|$

3.9. Disasters

ENUMERATOR READ: I will now ask you about disasters that your plot _____ suffered in the 2016 Spring-Summer cycle.

3.8.1 After this year's sowing, did your plot suffer any disaster?	3.8.2 Which disaster did it suffer? ENUMERATOR LISTEN AND CHECK	3.8.3 How many times did the disaster happen?	3.8.4 In which dates did the disaster happen? Start date	3.8.5 In which dates did the disaster happen? Finish date	3.8.6 Affectation percentage

	ALL THAT APPLY				
☐ 1. Yes ☐ 2. No → **Go to 2016 Subsidies**	☐1. Hail ☐2. Drought ☐3. Flood ☐4. Frost ☐5. Fire ☐6. Flattening ☐7. Other:_____	☐1. Hail: |__|veces ☐2. Drought: |__|veces ☐3. Flood: |__|veces ☐4. Frost: |__|veces ☐5. Fire: |__|veces ☐6.Flattening: |__|veces ☐7. Other: |__|veces	☐1. Hail from: |__|__/|__|__|/2016 ☐2. Drought from: |__|__/|__|__|/2016 ☐3. Flood from: |__|__/|__|__|/2016 ☐4. Frost from: |__|__/|__|__|/2016 ☐5. Fire from: |__|__/|__|__|/2016 ☐6. Flattening from: |__|__/|__|__|/2016 ☐7. Other from: |__|__/|__|__|/2016	☐1. Hail until: |__|__/|__|__|/2016 ☐2. Drought until: |__|__/|__|__|/2016 ☐3. Flood until: |__|__/|__|__|/2016 ☐4. Frost until: |__|__/|__|__|/2016 ☐5. Fire until: |__|__/|__|__|/2016 ☐6. Flattening until: |__|__/|__|__|/2016 ☐7. Other until: |__|__/|__|__|/2016	☐1. Hail |__|__|__| ☐2. Drought: |__|__|__| ☐3. Flood: |__|__|__| ☐4. Frost: |__|__|__| ☐5. Fire: |__|__|__| ☐6. Flattening: |__|__|__| ☐7. Other: |__|__|__|
			3.8.7 DISASATER SECOND TIME In which dates did the disaster happen? Start date	3.8.8 DISASTER SECOND TIME In which dates did the disaster happen? Finish date	3.8.9 DISASTER SECOND TIME Affectation percentage
			☐1. Hail from: |__|__/|__|__|/2016 ☐2. Drought from: |__|__/|__|__|/2016 ☐3. Flood from: |__|__/|__|__|/2016 ☐4. Frost from: |__|__/|__|__|/2016 ☐5. Fire from: |__|__/|__|__|/2016 ☐6. Flattening from: |__|__/|__|__|/2016 ☐7. Other from: |__|__/|__|__|/2016	☐1. Hail until: |__|__/|__|__|/2016 ☐2. Drought until: |__|__/|__|__|/2016 ☐3. Flood until: |__|__/|__|__|/2016 ☐4. Frost until: |__|__/|__|__|/2016 ☐5. Fire until: |__|__/|__|__|/2016 ☐6. Flattening until: |__|__/|__|__|/2016 ☐7. Other until: |__|__/|__|__|/2016	☐1. Hail |__|__|__| ☐2. Drought: |__|__|__| ☐3. Flood: |__|__|__| ☐4. Frost: |__|__|__| ☐5. Fire: |__|__|__| ☐6. Flattening: |__|__|__| ☐7. Other: |__|__|__|

V20160929 Producer's ID |__|__|-|__|__|-||__|__|

4 2016 SUBSIDIES

4.1.1 Did you receive any support from a drought disaster?		4.1.2 How much money did you receive in total from the support?	4.1.3 On which date did you receive the support for the drought disaster?	4.1.4 Did you use this support on the PRACTICES/NO PRACTICES AREA of your **[PLOT]** in the 2016 Spring-Summer cycle?	
☐ 1 Yes ☐ 2 No → **GO 4.1.5**	☐-888 DK ☐-999 DA	|__|__|__|__|__| MXN	|__|__/|__|__|/__|__|__|__| ☐ -888 DK ☐ -999 DA	☐ 1 Yes ☐ 2 No	☐-888 DK ☐-999 DA ☐-777 didn't sow maize
4.1.5 Did you receive any support fromr PROCAMPO in 2016?		4.1.6 For how many hectares was the support?	4.1.7 On which date did you receive the PROCAMPO support?	4.1.8 Did you use this support on the PRACTICES/NO PRACTICES AREA of your **[PLOT]** in the 2016 Spring-Summer cycle?	
☐ 1 Yes ☐ 2 No→ **GO 4.1.9**	☐-888 DK ☐-999 DA	|__|__| ha	|__|__/|__|__|/__|__|__|__| ☐ -888 DK ☐ -999 DA	☐ 1 Yes ☐ 2 No	☐-888 DK ☐-999 DA ☐-777 didn't sow maize
4.1.9 Did you receive any support fromr PIMAFin 2016?		4.1.10 For how many hectares was the support?	4.1.11 On which date did you receive the PIMAF support?	4.1.12 ¿ Did you use this support on the PRACTICES/NO PRACTICES AREA of your **[PLOT]** in the 2016 Spring-Summer cycle?	
☐ 1 Yes ☐ 2No → **GO 4.1.13**	☐-888 DK ☐-999 DA	|__|__| ha	|__|__/|__|__|/__|__|__|__| ☐ -888 DK ☐ -999 DA	☐ 1 Yes ☐ 2 No	☐-888 DK ☐-999 DA ☐-777 didn't sow maize

4.1.13 Did you receive any support for hybrid seeds?	4.1.14 What type of support did you receive?	4.1.15 On which seeds type did you receive the subsidy? **SEE CATALOG AND CHECK ALL THE PRODUCER INDICATE**	4.1.16 How much did you pay for the bulge of seeds?	4.1.17 How many bulges?	4.1.18 Did you use this seeds in the PRACTICES/NO PRACTICES AREA of your **[PLOT]** in the 2016 Spring-Summer cycle?
☐ 1. Yes ☐ 2. No → **GO TO 4.1.19** ☐-888 DK ☐-999 DA	☐ 1 Free hybrid seeds	☐ 1 H-C8	|__|__|__|__|.|__|__|$	|__|__| bulges	☐ 1 Yes ☐ 2 No
		☐ 2 Gladiador	|__|__|__|__|.|__|__|$	|__|__| bulges	☐ 1 Yes ☐ 2 No
		☐ 3 722	|__|__|__|__|.|__|__|$	|__|__| bulges	☐ 1 Yes ☐ 2 No
		☐ 4 Z60	|__|__|__|__|.|__|__|$	|__|__| bulges	☐ 1 Yes ☐ 2 No
		☐ 5 Faisán	|__|__|__|__|.|__|__|$	|__|__| bulges	☐ 1 Yes ☐ 2 No
		☐ 6 Other:_____	|__|__|__|__|.|__|__|$	|__|__| bulges	☐ 1 Yes ☐ 2 No
	☐ 2 Hybrid seeds subsidy	☐ 1 H-C8	|__|__|__|__|.|__|__|$	|__|__| bulges	☐ 1 Yes ☐ 2 No
		☐ 2 Gladiador	|__|__|__|__|.|__|__|$	|__|__| bulges	☐ 1 Yes ☐ 2 No
		☐ 3 722	|__|__|__|__|.|__|__|$	|__|__| bulges	☐ 1 Yes ☐ 2 No
		☐ 4 Z60	|__|__|__|__|.|__|__|$	|__|__| bulges	☐ 1 Yes ☐ 2 No
		☐ 5 Faisán	|__|__|__|__|.|__|__|$	|__|__| bulges	☐ 1 Yes ☐ 2 No
		☐ 6 Other:_____	|__|__|__|__|.|__|__|$	|__|__| bulges	☐ 1 Yes ☐ 2 No

4.1.19 Did you receive support from the subsidies on fertilizers from the Government of Tlaxcala?	4.1.20 Which of the following fertilizers got subsidies? **CHECK ALL THAT APPLY**	4.1.21 How many bulges did you buy?	4.1.22 How much did you pay for the 50 kg bulge?
☐ 1 Yes ☐ 2 No → **Go to 5. EXPECTATIONS** ☐-888 DK	☐1. Urea or White	|__|__|__| bulges	|__|__|__|.|__|__|$ per bulge
	☐2. DAP or Black	|__|__|__| bulges	|__|__|__|.|__|__|$ per bulge
	☐3. KCL or Red	|__|__|__| bulges	|__|__|__|.|__|__|$ per bulge
	☐4. Granubor or Boron	|__|__|__| bulges	|__|__|__|.|__|__|$ per bulge
	☐5. Ammonium sulfate	|__|__|__| bulges	|__|__|__|.|__|__|$ per bulge

☐-999 DA	☐6. Soil improver	|__|__|__| bulges	|__|__|__|.|__|__|$ per bulge
	☐7. Governemnt mixture	|__|__|__| bulges	|__|__|__|.|__|__|$ per bulge
	☐8. Other_____	|__|__|__| bulges	|__|__|__|.|__|__|$ per bulge

5 EXPECTATIONS

5.0. Approximate expected date of 2016 in which you think to stack the maize in the defined hectare (dd/mm/2016)	|__|__|/|__|__|/2016	☐-777 Will harvest with machinery
5.1. Aproximate date of 2016 in which you think to harvest with maize harvester in the PRACTICES/NO PRACTICES AREA (dd/mm/2016)	|__|__|/|__|__|/2016	☐-777 Will not harvest with machinery

5.2 Productivity in the PRACTICES/NO PRACTICES AREA

ENUMERATOR READ: I will now ask you some questions about the PRACTICES/NO PRACTICES AREA in your plot_____

5.2.1 In a scale from 0 to 10, where 10 is the most productive plot in the municipality and 0 is the least productive, how productive do you think your plot will be in the 2016 Spring-Summer cycle?	|__|__|

ENUMERATOR TAKE A COIN AND SHOW IT TO THE PRODUCER

5.2.2 Let's flip this coin; what is the probability to get tails? How sure are you of this possibility? ~~going to flip this coin. What is the probability that the coin lands on the "eagle" side?~~ **WRITE DOWN THE ANSWER TO THE FIRST QUESTION WHEN THE RESPONDANT SAYS HE/SHE IS ABSOLUTELY SURE.**	|__|__|__|%
~~5.2.2~~5.2.3 Think about the previous answer where you rated the productivity of your Plot with **[READ A. 4.2.1]** how sure are you of this rate?	☐1. Absolutely sure ☐2. Fairly sure ☐3. Slightly sure ☐4. Not sure at all

"Now we will play with this board and 20 chips. Note that each box in the board represents the production you might obtain this year from your plot _____."

EUMERATOR: HAND THE 20 CHIPS TO THE RESPONDENT AND ASK HIM/HER:

~~5.2.3~~5.2.4 *"What do you think will be the production in your test hectare of the plot_____this year?"* **WAIT FOR THE ANSWER AND TELL THE RESPONDENT TO PLACE A CHIP IN THAT BOX**	Between |__|__| t and |__|__| t
~~5.2.4~~5.2.5 *THEN* **READ:** *"What do you think will be the production in your test hectare of the plot_____ if the weather is very bad?"* **WAIT FOR THE ANSWER AND TELL THE RESPONDENT TO PLACE A CHIP IN THAT BOX**	Between |__|__| t and |__|__| t
~~5.2.5~~5.2.6 *THEN* **READ:** *"What do you think will be the production in your test hectare of the plot_____ if the weather is very good?"* **WAIT FOR THE ANSWER AND TELL THE RESPONDENT TO PLACE A CHIP IN THAT BOX**	Between |__|__| t and |__|__| t

~~5.2.6~~5.2.7 **ENUMERATOR POINT AT THE FIRST AND LAST BOX WHERE THERE IS A CHIP, THEN READ:** *"Now distribute the remaining 20 chips in the boxes between the interval that you think are more probable. You have to use all the chips, but you may leave empty boxes. If you don't place any chips in a box it means that you believe that option is impossible to happen in the future. The more chips you place in a single box, the more probable you believe that outcome to be*

0	There will be no harvest	6	More than 2.5 ton/ha to 3 ton/ha	12	More than 6 ton/ha to 7 ton/ha
1	Half a ton/ha or less	7	More than 3 ton/ha to 3.5 ton/ha	13	More than 7 ton/ha. How much?_____
2	More than half ton/ha to 1 ton/ha	8	More than 3.5 ton/ha to 4 ton/ha		
3	More than 1 ton/ha to 1.5 ton/ha	9	More than 4 ton/ha to 4.5 ton/ha		
4	More than 1.5 ton/ha to 2 ton/ha	10	More than 4.5 ton/ha to 5 ton/ha		
5	More than 2 ton/ha to 2.5 ton/ha	11	More than 5 ton/ha to 6 ton/ha		

5.3 Miaze selling price

V20160929 Producer's ID |__|__|-|__|__|-||__|__|

ENUMERATOR: GIVE BACK THE 20 CHIPS TO THE RESPONDENT AND ASK: *"What do you think the PRICE OF MAIZE WILL BE IN THE BEGINNINGS OF 2016?"* **WAIT FOR THE ANSWER AND TELL THE RESPONDENT TO PLACE A CHIP IN THAT BOX.** WRITE DOWN THE ANSWER: _____

THEN READ: *"What do you think the WORST PRICE FOR MAIZE COULD BE IN THE BEGINNINGS OF 2017?"* **WAIT FOR THE ANSWER AND TELL THE RESPONDENT TO PLACE A CHIP IN THAT BOX.** WRITE DOWN THE ANSWER: _____

THEN READ: *"What do you think the BEST PRICE FOR MAIZE COULD BE IN THE BEGINNINGS OF 2017?"* **WAIT FOR THE ANSWER AND TELL THE RESPONDENT TO PLACE A CHIP IN THAT BOX.** WRITE DOWN THE ANSWER: _____

ENUMERATOR POINT AT THE FIRST AND LAST BOX WHERE THERE IS A CHIP, THEN READ*: "Now distribute the remaining 20 chips in the boxes between the interval that you think are more probable. You have to use all the chips, but you may leave empty boxes. If you don't place any chips in a box it means that you believe that option is impossible to happen in the future. The more chips you place in a single box, the more probable you believe that outcome to be"*

0	☐	Will not sell any maize
1	☐	500 or less $ per ton
2	☐	More than 500 to 1000 $ per ton
3	☐	More than 1000 to 1500 $ per ton
4	☐	More than 1500 to 2000 $ per ton
5	☐	More than 2000 to 2250 $ per ton
6	☐	More than 2250 to 2500 $ per ton
7	☐	More than 2500 to 2750 $ per ton
8	☐	More than 2750 to 3000 $ per ton
9	☐	More than 3000 to 3250 $ per ton
10	☐	More than 3250 to 3500 $ per ton
11	☐	More than 3500. How much? ____ $ per ton