Group: ❑ Doer ❑ Non-Doer

**Barrier Analysis Questionnaire:**

**Mulching**

**for use with farmers**

**Behavior Statement**

Targeted subsistence farmers put a 15 centimeter layer of mulch made of

maize stover or organic material on all of their fields before planting.

**Demographic Data**

Interviewer’s Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Questionnaire No.: \_\_\_\_\_Date: \_\_\_/\_\_\_/\_\_\_

Community: \_\_\_\_\_\_\_\_\_\_\_\_\_

Scripted Introduction:

Hi, my name is\_\_\_\_\_\_\_\_\_; and I am part of a study team looking into the things farmers do to improve their yields. The study includes a discussion of this issue and will take about 20 minutes. I would like to hear your views on this topic. You are not obliged to participate in the study and no services will be withheld if you decide not to. Likewise, if you chose to be interviewed you will not receive any gifts, special services or remuneration. Everything we discuss will be held in strict confidence and your personal information will not be shared with anyone else.

Would you like to participate in the study? [ If not, thank them for their time.]

**Section A - Doer/Non-doer Screening Questions**

1. Are you a farmer?

❑ A. Yes

❑ B. No 🡪 *End interview and look for another interviewee*

❑ C. Don’t Know / Won’t say 🡪 *End interview and look for another interviewee*

2. How much land do you farm?

❑ a. 1 acre/70 X 70/.04 hectare or less

❑ b. larger than above 🡪 *End interview and look for another respondent*

❑ c. Don’t Know / Won’t say 🡪 *End interview and look for another respondent*

3. Last season, before you planted, did you put anything on your field?

❑ A. Yes

❑ B. No 🡪 Mark as non-doer and continue to Section B

❑ C. Don’t know/won’t say 🡪*End interview and look for another interviewee*

4. What did you put?

❑ A. applied mulch

❑ B. anything else 🡪 Mark as non-doer and continue to Section B

❑ C. Don’t know/won’t say 🡪*End interview and look for another interviewee*

5. On how much of your land did you apply the mulch last year? All of your fields, half of your fields, less than half of your fields?

❑ A. All of the fields

❑ B. Half or less than half of the fields 🡪 Mark as non-doer and continue to Section B

❑ C. Don’t know/won’t say 🡪*End interview and look for another interviewee*

6. What was your mulch made of?

❑ A. residue from crop and/or organic material

❑ B. anything else 🡪 Mark as non-doer and continue to Section B

❑ C. Don’t know/won’t say 🡪*End interview and look for another interviewee*

7. About how thick was the layer of mulch that you applied to your fields?[[1]](#footnote-2)

❑ A. 15 cm or more

❑ B. less than 15 cm 🡪 Mark as non-doer and continue to Section B

❑ C. Don’t know/won’t say 🡪*End interview and look for another interviewee*

***DOER /NON-DOER CLASSIFICATION TABLE***

|  |  |  |
| --- | --- | --- |
| **DOER**(all of the following) | **Non-Doer**(all of the following) | **Do Not Interview**(any ONE of the following) |
| Question 1 = A |  | Question 1 = B or C |
| Question 2 = A |  | Question 2 = B or C |
| Question 3 = A | Question 3 = B | Question 3 = C |
| Question 4 = A | Question 4 = B | Question 4 = C |
| Question 5 = A | Question 5 = B | Question 5 = C |
| Question 6 = A | Question 6 = B | Question 6 = C |
| Question 7 = A | Question 7 = B | Question 7 = C |

Group: ❑ Doer ❑ Non-doer

**Section B – Research Questions**

**Behavior Explanation** (as needed)

In thefollowing questions I am going to be talking about putting mulch on your fields. By this I mean the practice of applying a 15 cm thick layer of organic residuals, such as maize stover on all of your fields before you plant. (show picture of a mulched field)

*(Perceived Self-efficacy)*

**1a. *Doers***: What makes it ***easier*** for you to put mulch on your field before you plant?

**1b.** ***Non-doers***: What would make it ***easier*** for you to put mulch on your field before you plant?

***(Write all responses below. Probe with “What else?”)***

*(Perceived Self-efficacy)*

**3a. *Doers***: What makes it ***difficult*** for you to put mulch on your field before you plant?

**3b.** ***Non-doers***: What would make it ***difficult*** for you to put mulch on your field before you plant?

***(Write all responses below. Probe with “What else?”)***

*(Perceived Positive Consequences)*

**4a.** ***Doers:*** What are the ***advantages*** of putting mulch on your fields before your plant?

**4b. *Non-doers:*** What would be the ***advantages*** of puttingmulch on your land before you plant?

***(Write all responses below. Probe with “What else?”)***

*(Perceived Negative Consequences)*

**5a.** ***Doers:*** What are the ***disadvantages*** of putting mulch on your fields before you plant?

**5b. *Non-doers:*** What would be the ***disadvantages*** of putting mulch on your fields before you plant?

***(Write all responses below. Probe with “What else?”)***

*(Perceived Social Norms)*

**6a.** ***Doers:*** Who are the people that ***approve*** of you putting mulch on your field before you plant?

**6b.** ***Non-doers:*** *Who are the people you think* ***would approve*** *of you putting mulch on your field before you plant?*

***(Write all responses below. Probe with “Who else?” and “why?”)***

*(Perceived Social Norms)*

**7a.** ***Doers:*** Who are the people that ***disapprove*** of you putting mulch on your field before you plant?

**7b.** ***Non-doers:*** Who are the people that you think ***would disapprove*** of you putting mulch on your field before you plant?

***(Write all responses below. Probe with “Who else?” and “why?”)***

*(Perceived Access)*

**8a.** ***Doers:*** How difficult is it to get the materials you need to put mulch on your field before you plant?

**8b. *Non-doers:*** How difficult would it be to get the materials you need to put mulch on your field before you plant?

❑ a. Very difficult

❑ b. Somewhat difficult

❑ c. Not difficult at all.

*(Perceived Susceptibility / Perceived Risk)*

**9.** ***Doers* *and Non-doers:*** How likely is it that your soil will get too dry in the next growing season? Very likely, somewhat likely or not likely at all?

❑ a. Very likely

❑ b. Somewhat likely

❑ c. Not likely at all

*(Perceived Severity)*

**10.** **Doers and Non-doers:** How serious would it be if your soil became too dry in the next growing season? Very serious, somewhat serious, or not serious at all?

❑ a. Very serious

❑ b. Somewhat serious

❑ c. Not serious at all

*(Action Efficacy)*

**11. Doers and Non-doers** How likely is it that your soil will get too dry next season if you don’t put mulch on them? Very likely, somewhat likely or not likely at all?

❑ a. Very likely

❑ b. Somewhat likely

❑ c. Not likely at all

*(Perception of Divine Will)[[2]](#footnote-3)*

**12.*****Doers:***Do you think that only God controls the quality of your soil?

❑ a. Yes

❑ b. Maybe

❑ c. No

*(Culture)*

**13. Doers and Non-doers:** Are there any cultural rules or taboos against putting mulch on your field before you plant?

❑ a. Yes

❑ b. Maybe

❑ c. No

*Now I am going to ask you a question totally unrelated to the topic we’ve been discussing.*

*(Question on Universal Motivators)*

**14. Doers and Non-doers:** What is the one thing you desire most in life?

***THANK THE RESPONDENT FOR HIS OR HER TIME!***

1. For this question interviewer could take a stick with them showing three different levels. One of them being 15 cm. The interviewer would then ask the farmer to point to the level of the mulch s/he applied. [↑](#footnote-ref-2)
2. [↑](#footnote-ref-3)