Group: ❑ Doer ❑ Non-Doer

**Barrier Analysis Questionnaire :**

**Intercropping with legumes**

**for use with farmers**

**Behavior Statement**

Targeted framers plant a leguminous crop (e.g. groundnuts, pigeon peas, cowpeas, green beans, soy beans or lentils) in the same field as their staple crop during the same season.

**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 things farmers do to improve the quality of the soil and increase productivity. 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 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. What is your primary occupation?

❑ a. farmer

❑ b. other than farmer 🡪 *End interview and look for another respondent*

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

During the last growing season, what was your staple crop? (What crop did you plant on the largest piece of land?) [maize, rice, sorghum, millet, other]

2. In the field where you planted the [insert name of the staple crop they mentioned]\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, did you plant anything else at the same time as your staple crop?

❑ a. Yes

❑ b. No 🡪 *Mark as Non-doer*

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

3. In addition to the [insert name of the staple crop they mentioned]\_\_\_\_\_\_\_\_\_, what else did you plant in that same field?

❑ a. groundnuts, pigeon peas, cowpeas, green beans, soy beans or lentils (or insert any other legumes common to the intervention area)

❑ b. None of the above 🡪 Mark as Non-doer

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

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

|  |  |  |
| --- | --- | --- |
| **DOER**(all of the following) | **Non-Doer**(any ONE 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 | Question 2 = C  |
| Question 3 = A | Question 3 = B | Question 3 = C |

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Behavior Explanation

In the following questions I am going to be asking you about intercropping with legumes. When I say this, I mean planting things like groundnuts, pigeon peas, cowpeas, green bean, soy beans or lentils in the same field as your staple crop during the same planting season.

**Section B – Research Questions**

 *(Perceived Self-efficacy)*

1. **Doers and Non-doers:** With your present knowledge, money, and skills do you think that you could plant a leguminous crop in the same field as your staple crop during the same season?

❑ a. Yes

❑ b. Possibly

❑ c. No

❑ d. Don’t Know

*(Perceived Self-efficacy)*

**2a. *Doers***: What makes it ***easier*** for you to plant a leguminous crop in the same field as your staple crop during the same season?

**2b.** ***Non-doers***: What would make it ***easier***  for you to plant a leguminous crop in the same field as your staple crop during the same season?

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

*(Perceived Self-efficacy)*

**3a. *Doers***: What makes it ***difficult*** for you to plant a leguminous crop in the same field as your staple crop during the same season?

**3b.** ***Non-doers***: What would make it ***difficult*** for you to plant a leguminous crop in the same field as your staple crop during the same season?

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

*(Perceived Positive Consequences)*

**4a.** ***Doers:*** What are the ***advantages*** of planting a leguminous crop in the same field as your staple crop during the same season?

**4b. *Non-doers:*** What would be the ***advantages*** of planting a leguminous crop in the same field as your staple crop during the same season?

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

*(Perceived Negative Consequences)*

**5a.** ***Doers:*** What are the ***disadvantages*** of planting a leguminous crop in the same field as your staple crop during the same season?

**5b. *Non-doers:*** What would be the ***disadvantages*** of planting a leguminous crop in the same field as your staple crop during the same season?

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

*(Perceived Social Norms )*

**6a. *Doers:*** Do most of the people that you know approve of you planting a leguminous crop in the same field as your staple crop during the same season?

**6b.** ***Non-doers***: Would most of the people that you know approve of you planting a leguminous crop in the same field as your staple crop during the same season?

❑ a. Yes

❑ b. Possibly

❑ c. No

❑ d. Don’t Know / Won’t say

*(Perceived Social Norms )*

**7a.** ***Doers:*** Who are the people that ***approve*** of you planting a leguminous crop in the same field as your staple crop during the same season?

**7b.** ***Non-doers:*** Who are the people that ***would approve*** of you planting a leguminous crop in the same field as your staple crop during the same season?

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

*(Perceived Social Norms )*

**8a.** ***Doers:*** Who are the people that ***disapprove*** of you planting a leguminous crop in the same field as your staple crop during the same season?

**8b.** ***Non-doers:*** Who are the people that ***would disapprove*** of you planting a leguminous crop in the same field as your staple crop during the same season?

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

*(Perceived Access)*

**9a.** ***Doers:*** How difficult is it to get the things you need to plant a leguminous crop in the same field as your staple crop during the same season?

**9b. *Non-doers:*** How difficult would it be to get the things you need to plant a leguminous crop in the same field as your staple crop during the same season?

Very difficult, somewhat difficult, not difficult at all

❑ a. Very difficult

❑ b. Somewhat difficult

❑ c. Not difficult at all.

❑ d. Don’t Know / Won’t say

*(Perceived Cues for Action / Reminders)*

**10a. *Doers:*** How difficult is it to remember to plant a leguminous crop in the same field as your staple crop during the same season? Very difficult, somewhat difficult, or not difficult at all?

**10b. *Non-doers:*** How difficult do you think it would be to remember to plant a leguminous crop in the same field as your staple crop during the same season?

Very difficult, somewhat difficult, or not difficult at all?

❑ a. Very difficult

❑ b. Somewhat difficult

❑ c. Not difficult at all.

❑ d. Don’t Know / Won’t say

*(Perceived Susceptibility / Perceived Risk)*

**11.** ***Doers* *and Non-doers:*** How likely is it that your soil will become infertile? very likely, somewhat likely or not likely at all?

❑ a. Very likely

❑ b. Somewhat likely

❑ c. Not likely at all

*(Perceived Severity)*

**12.** **Doers and Non-doers:** How serious would it be if your soil became infertile? very serious, somewhat serious, or not serious at all?

❑ a. Very serious

❑ b. Somewhat serious

❑ c. Not serious at all

❑ d. Don’t Know / Won’t say

*(Action Efficacy)*

**13. Doers and Non-doers** How likely is it that your soil will become more fertile if you plant a leguminous crop in the same field as your staple crop during the same season? very likely, somewhat likely or not likely at all?

❑ a. Very likely

❑ b. Somewhat likely

❑ c. Not likely at all

 *(Perception of Divine Will)*

**14.*****Doers and Non-doers:***Do you think that **God (or evil spirits)** makes soil become weak and infertile?

❑ a. Yes

❑ b. No

❑ c. Don’t Know / Won’t say

*(Policy)*

**15. *Doers and Non-doers*:** Are there any community laws or rules in place that make it more likely that you plant a leguminous crop in the same field as your staple crop during the same season?

❑ a. Yes

❑ b. No

❑ c. Don’t Know / Won’t say

*(Culture)*

**16. Doers and Non-doers:** Are there any cultural rules or taboos against planting a leguminous crop in the same field as your staple crop during the same season?

❑ a. Yes

❑ b. No

❑ c. Don’t Know / Won’t say

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

*(Question on Universal Motivators)*

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

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