Group: ❑ Doer ❑ Non-Doer

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| **Barrier Analysis Questionnaire**  **on intercropping with legumes**  **for use with targeted farmers** |

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| **Behaviour Statement**  Targeted farmers plant a leguminous crop (such as groundnuts, pigeon peas, cowpeas, green beans, soy beans or lentils) in the same field as their staple crop during the same season. |

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| **Demographic Data**  Interviewer’s Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Questionnaire Number: \_\_\_\_\_\_\_\_\_  Date: \_\_\_\_/\_\_\_\_/\_\_\_\_\_\_ Community: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| **Scripted Introduction**  Hello, 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 an interview regarding this topic and will take about 20 minutes. I would like to hear your views on this topic. You do not have to participate in the study and nothing will happen if you decide not to. Likewise, if you decide to be interviewed, you will not receive any material or other benefits. I will not record your name and everything you tell me will be held in strict confidence.  Would you like to talk with me? *[If not, thank the respondent for her/his time.]*  **Consent was provided**: YES NO |

### Section A: Doer/Non-Doer Screening Questions

**1. What is your primary occupation?**

❑ A. Farmer 🡪 *[Ask the next question*.*]*

❑ B. Other than farmer 🡪 *[End the interview and look for another respondent*.*]*

❑ C. Won’t say 🡪 *[End the interview and look for another respondent.]*

**2. During the last growing season, what staple crop did you plant on the largest piece of land?**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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

❑ A. Yes 🡪 *[Ask the next question*.*]*

❑ B. No 🡪 *[Mark the respondent as a NON-DOER and continue to section B.]*

❑ C. Won’t say 🡪 *[End the interview and look for another respondent.]*

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

❑ A. Groundnuts / pigeon peas / cowpeas / green beans / soy beans / lentils *[or insert any other legumes common to the area]* 🡪 *[Mark the respondent as a DOER and continue to section B.]*

❑ B. None of the above 🡪 *[Mark the respondent as a NON-DOER and continue to section B.]*

❑ C. Won’t say 🡪 *[End the interview and look for another respondent.]*

**DOER/NON-DOER CLASSIFICATION TABLE**

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| **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 3 = A | Question 3 = B | Question 3 = C |
| Question 4 = A | Question 4 = B | Question 4 = C |

**The respondent is a: ❑ Doer ❑ Non-Doer**

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| **Behaviour Explanation**  In the following questions, I am going to be talking about leguminous crops. This mean any of the following crops: groundnuts, pigeon peas, cowpeas, green beans, soy beans, or lentils *[adjust and expand this list based on the locally grown leguminous crops].* |

### Section B: Research Questions

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| **If the respondent is a DOER =**  **🡫 only ask questions in this LEFT column 🡫** | **If the respondent is a NON-DOER =**  **🡫 only ask questions in this RIGHT column 🡫** |
| **1. Perceived Self-Efficacy/Skills** | |
| **1.1 Doers:** What makes it **easy** 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?”]* | **1.1 Non-Doers:** What would make it **easy** 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?”]* |
| **1.2 Doers:** What makes 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?”]* | **1.2 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?”]* |
| **2. Perceived Positive Consequences** | |
| **Doers:** What are the **positive consequences** 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?”]* | **Non-Doers:** What would be the **positive consequences** 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?”]* |
| **3. Perceived Negative Consequences** | |
| **Doers:** What are the **negative consequences** 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?”]* | **Non-Doers:** What **negative consequences** 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?”]* |
| **4. Perceived Social Norms** | |
| **4.1 Doers:** Who are all the people that **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? Anyone in particular?”]* | **4.1 Non-Doers:** Who are all 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? Anyone in particular?”]* |
| **4.2 Doers:** Who are all the people that **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? Anyone in particular?”]* | **4.2 Non-Doers:** Who are all 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? Anyone in particular?”]* |
| **5. Perceived Access** | |
| **Doers:** How difficult is it to get the seeds required for planting a leguminous crop in the same field as your staple crop during the same season? Is it very difficult, somewhat difficult or not difficult at all?  ❑ A. Very difficult  ❑ B. Somewhat difficult  ❑ C. Not difficult at all | **Non-Doers:** How difficult would it be to get the seeds required for planting a leguminous crop in the same field as your staple crop during the same season? Would it be very difficult, somewhat difficult or not difficult at all?  ❑ A. Very difficult  ❑ B. Somewhat difficult  ❑ C. Not difficult at all |
| **6. Perceived Cues for Action/Reminders** | |
| **Doers:** How difficult is it to remember to plant a leguminous crop in the same field as your staple crop in the same season? Is it very difficult, somewhat difficult or not difficult at all?  ❑ A. Very difficult  ❑ B. Somewhat difficult  ❑ C. Not difficult at all | **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 in the same season? Would it be very difficult, somewhat difficult or not difficult at all?  ❑ A. Very difficult  ❑ B. Somewhat difficult  ❑ C. Not difficult at all |
| **7. Perceived Susceptibility/Vulnerability** | |
| **Doers:** How likely is it that your soil will become less fertile each year? Is it very likely, somewhat likely or not likely at all?  ❑ A. Very likely  ❑ B. Somewhat likely  ❑ C. Not likely at all | **Non-Doers:** How likely is it that your soil will become less fertile each year? Is it very likely, somewhat likely or not likely at all?  ❑ A. Very likely  ❑ B. Somewhat likely  ❑ C. Not likely at all |
| **8. Perceived Severity** | |
| ***Doers:*** How serious would it be if your field became increasingly less fertile each year? Would it be very serious, somewhat serious or not serious at all?  ❑ A. Very serious  ❑ B. Somewhat serious  ❑ C. Not serious at all | ***Non-Doers:*** How serious would it be if your field became increasingly less fertile each year? Would it be very serious, somewhat serious or not serious at all?  ❑ A. Very serious  ❑ B. Somewhat serious  ❑ C. Not serious at all |
| **9. Perceived Action Efficacy** | |
| ***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? Is it very likely, somewhat likely or not likely at all?  ❑ A. Very likely  ❑ B. Somewhat likely  ❑ C. Not likely at all | ***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? Is it very likely, somewhat likely or not likely at all?  ❑ A. Very likely  ❑ B. Somewhat likely  ❑ C. Not likely at all |
| **10. Perceived Divine Will\*** | |
| ***Doers:*** Do you think that God causes soil to become weak and infertile?  ❑ A. Yes  ❑ B. Maybe  ❑ C. No | ***Non-Doers:*** Do you think that God causes soil to become weak and infertile?  ❑ A. Yes  ❑ B. Maybe  ❑ C. No |
| **11. Culture** | |
| ***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. Maybe  ❑ C. No | ***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. Maybe  ❑ C. No |

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| **Go through the questionnaire and check whether all answers were recorded.**  **Thank the respondent for her / his time!** |