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INTERNATIONAL RICE RESEARCH INSTITUTE

Social Sciences Division

and

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**FARMER-MANAGED TRIAL MONITORING SURVEY (Baby-Trial Monitoring Survey)**

Monitoring survey for evaluating farmer-managed trials performance in stressed-prone areas

**India**

**Form A: FIRST Visit monitoring:** one month after transplanting

**Form B: SECOND Visit monitoring:** two weeks before harvest

**Form C: THIRD Visit monitoring:** one month after harvest

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| --- | --- |
| **Name of interviewer:**  **1st visit :**  **2nd visit :**  **3rd visit :** | **Date of interview:**  **1st visit :**  **2nd visit :**  **3rd visit :** |
| **Name of respondent:** | **Respondent No:** |
| **Village :** | **Subdistrict :** |
| **District :** | **Province :** |
| **Seed Kit Number :** | **Type of Stress: ( ) Submergence ( ) Salinity/Sodicity ( ) Drought** |
| **Parcel No :** | **Plot No :** |

*The main purpose of conducting this monitoring survey is to evaluate the performance at different stages of rice growth of the selected stress-tolerant varieties in comparison*

*with the farmers’ local check under farmer-managed trial. This survey will also assess farmers’ willingness to adopt the introduced technology and keep track its initial diffusion*

*through farmer-to-farmer seed exchange.*

**First visit (one month after transplanting)**

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| **A. PARCEL INFORMATION:** | | | | | |
| Rice area usually grown (ha.) : | | Season: | | | |
| Soil texture: ( ) loamy ( ) sandy ( ) sandy-loam ( ) clay ( ) clay-loam ( ) loamy-sand ( ) saline/alkaline | | | | | |
| Soil fertility: ( ) very fertile ( ) fertile ( ) unfertile) | | Land type: ( ) lowland ( ) midland ( ) upland | | | |
| Tenure status: ( ) owned ( ) not owned | | Is the field irrigated or rainfed? ( ) irrigated ( ) rainfed | | | |
| **B. TRIAL DETAILS** | **Local Variety** | | **Variety 1** | **Variety 2** | **Variety 3** |
| Name of variety |  | |  |  |  |
| Area of farmer’s experimental plot (m2) |  | |  |  |  |
| Method of establishment |  | |  |  |  |
| Date sown |  | |  |  |  |
| Date transplanted |  | |  |  |  |
| Expected date of harvest |  | |  |  |  |
| **C. ABIOTIC STRESS**  **1.** **Submergence Condition (*this can be filed up during the whole duration of FM-trial)***  Did flooding occur in any stages of the rice growth? ( ) Yes ( ) No  **If YES,** How many times? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **Depict the Flooding/ Submergence situation**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Flooding condition** | **Flooding 1** | **Flooding 2** | **Flooding 3** | **Flooding 4** | | What month and week did flooding occur? |  |  |  |  | | What stages of rice growth did flooding occur? |  |  |  |  | | How many days did water remains in the plot? |  |  |  |  | | How many days were the crops totally submerged? |  |  |  |  | | What is the depth of maximum standing water (cm)? |  |  |  |  | | What happened to the crop after submergence?  a. did the crop die?  - Submergence tolerance variety |  |  |  |  | | - Local check |  |  |  |  | | b. if died, how many percent of the crop die?  - Submergence tolerance variety |  |  |  |  | | - Local check |  |  |  |  | | c. what did you do after the submergence?  - Submergence tolerance variety |  |  |  |  | | - Local check |  |  |  |  | | | | | | |

***2. Salinity/Sodicity Condition* (*this can be filed up during the whole duration of FM-trial)***

1. During what season and month(s) is salinity/sodicity most severe? Wet ( ) Dry ( ) Month (s): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. What causes salinity/sodicity? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. During what stage does salinity/sodicity most critical to rice growth?

( ) Sowing ( ) Early ( ) Active tillering ( ) Panicle initiation ( ) Heading ( ) Harvesting

1. What happened to the crop grown in saline/sodic area?

a. Did the crop die? ( ) Yes ( ) No If YES, what variety? ( ) Salt-tolerant variety, how many percent? \_\_\_\_\_\_\_\_\_\_

( ) Local variety, how many percent? \_\_\_\_\_\_\_\_\_\_

1. What are the other causes of crop loss aside from salinity/sodicity?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

***3. Drought Condition* (*this can be filed up during the whole duration of FM-trial)***

1. During what month(s) is drought most severe? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. During what stage does drought most critical to rice growth?

( ) Sowing ( ) Early ( ) Active tillering ( ) Panicle initiation ( ) Heading ( ) Harvesting

3. What happened to the crop grown during drought period?

a. Did the crop die? ( ) Yes ( ) No If YES, what variety? ( ) Drought-tolerant variety, how many percent? \_\_\_\_\_\_\_\_\_\_

( ) Local variety, how many percent? \_\_\_\_\_\_\_\_\_\_

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| --- |
| **Type of stress: --------**  1 = Submergence ; 2= Salinity/Sodicity ; 3= Drought |
| Notes on condition of trial: |
| **FARMER’S PERCEPTION**  For questions on crop stand and overall preference, varieties should be rated on a 1-3 scale. Ask principal male and principal female farmers who are members of the same household  1 = Worse than their local variety  2 = Same as their local variety  3 = Better than their local variety     |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | **Parameters** | **Principal Male** | | | **Principal Female** | | | | **Variety 1** | **Variety 2** | **Variety 3** | **Variety 1** | **Variety 2** | **Variety 3** | | Name of stress-tolerant variety  **versus** |  |  |  |  |  |  | | Name of Local Variety |  |  |  |  |  |  | | Tillering ability |  |  |  |  |  |  | | Plant height |  |  |  |  |  |  | | Tolerance to stress  (submergence/salinity or sodicity/drought) |  |  |  |  |  |  | | Tolerance to pest |  |  |  |  |  |  | | Tolerance to diseases |  |  |  |  |  |  | | Lodging resistance |  |  |  |  |  |  | | Overall performance |  |  |  |  |  |  | | Add any information that the farmer thinks is important. |  | | |  | | | |

**Form C: Farmer rating sheet for third visit (one month after harvest)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A. FARMER’S PERCEPTION**  Note: for questions on post harvest traits, varieties should be rated on a 1-3 scale. Ask principal male and principal female farmers who are members of the same household  1 = Worse than their local variety  2 = Same as their local variety  3 = Better than their local variety   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | **Parameters** | **Principal Male** | | | **Principal Female** | | | | **Variety 1** | **Variety 2** | **Variety 3** | **Variety 1** | **Variety 2** | **Variety 3** | | **Name:** |  |  |  |  |  |  | | Grain yield (kg/ha) |  |  |  |  |  |  | | Easy to harvest |  |  |  |  |  |  | | Easy to thresh |  |  |  |  |  |  | | Milling recovery |  |  |  |  |  |  | | Market price |  |  |  |  |  |  | | Other uses: (please specify)  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |  |  |  |  |  | | Cooking quality |  |  |  |  |  |  | | Eating quality |  |  |  |  |  |  | | Storage quality |  |  |  |  |  |  |   Comment about the variety’s overall performance and add any information that the farmer thinks is important.   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Variety** | **Local Check** | **Variety 1** | **Variety 2** | **Variety 3** | | Grain yield: (kg/ha) |  |  |  |  | | % Milling recovery: |  |  |  |  | | Male:  *Rank the tested variety according to its overall performance (1-being highest):*    *Comments:* |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | | Female:  *Rank the tested variety according to its overall performance (1-being highest):*  *Comments:* |  |  |  |  |   **B. SEED DISTRIBUTION**  When choosing a variety to grow, who among the family members decide? Please check. ( ) Principal male only ( ) Principal female only ( ) Both  If both, who dominates or has more influence in the decision making? ( ) Male> Female ( ) Male< Female  Ask the following questions to the household member who has more control and influence on the following decisions:   |  |  |  |  | | --- | --- | --- | --- | |  | **Variety 1** | **Variety 2** | **Variety 3** | | Do you plan to grow this variety next year? Why/Why not? |  |  |  | | If yes, how much area will you plant next year for this type of variety? |  |  |  | | How many people have you shared this type of variety*? (Please provide additional information on the supplementary sheet)* |  |  |  | | Do you plan to share this variety and other information to other farmers? *(Please provide additional information on the supplementary sheet)* |  |  |  | | How will you disseminate this technology? |  |  |  |   **C. TECHNOLOGY TRACKING**  Please provide the following information if you have shared/plan to give seeds to anyone.   |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Name** | **Address** | **Sex** | **Age** | **Relation1** | **Shared/ Plan2** | **Variety name** | **Amount of seeds given** | **Date or Occasion given** | |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |   1-Indicate if the person given is a kin, neighbor, friend, co-farmer, farmer-leader, others.  2-Indicate if you have shared or plan to give the seeds, if shared, also indicate if free, exchange or sold then if sold for how much |