Rice Crop Manager Odisha  Version 1.0 (RCM OD v1.0)

The farmer should answer the questions for their rice field for the season in which they desire recommended management practices.

1. Where is the field?
   District: _____________________________
   Block / Municipality / Notified Area Council (NAC): ______________________________
   Gram Panchayat (GP) / Ward: ________________
   Village: _____________________________

   A field is one or more parcels with similar management, variety, and soil fertility.

2. How do you name the rice field for identification? _________________

   Note: Use a descriptive name that the farmer can easily associate to the field to be provided with RCM recommendation. Only 3 to 20 alphanumeric characters can be used for field name.

3. What is the size of the field? Choose only one unit to express field size.
   O _____ acre
   O _____ decimal
   O _____ mana
   O _____ guntha

   If selected field size is in decimal,
   Is 100 decimal equal to 1 acre?
   O Yes  O No

      If no,
      How many decimal in 1 acre? _____

   If selected field size is in mana,
   Is 1.4 mana equal to 1 acre?
   O Yes  O No

      If no,
      How many mana in 1 acre? _____

   If selected field size is in guntha,
   Is 25 guntha equal to 1 acre?
   O Yes  O No

      If no,
      How many guntha in 1 acre? _____

4. How many crops of rice are grown in the field this year?
   O One  O Two  O Three

5. For which upcoming season do you need a recommendation?
   O Rabi  O Kharif

6. How do you plan to water your field in the upcoming kharif season?
   O Irrigated - assured  O Rainfed
7. How will your crop be established in the upcoming kharif season?
   - Manual transplanting
   - Mechanical transplanting
   - Mechanized dry seeding in lines

If manual transplanting,
8a. How do you prepare your nursery?
   - Raised bed
   - Flat bed

If mechanical transplanting,
8b. Do you prepare your nursery?
   - Yes
   - No

If yes,
Have you received training for mat nursery?
   - Yes
   - No

If transplanting,
9a. When is rice sown or will be sown in the nursery?
   - Select a month:
     - June
     - July
     - August
     - Enter a date: _____

If mechanized dry seeding in lines,
9b. When is rice sown in the field?
   - Select a month:
     - June
     - July
     - August
     - Enter a date: _____

If transplanting,
10. Will you apply any fertilizer during the nursery preparation?
   - No
   - Yes

   If yes,
   What nutrient will you apply? Select from the following options.
   - Compost
   - Urea
   - MOP
   - DAP
   - 15-15-15
   - 16-16-16
   - 10-26-26
   - 14-35-14

11. What variety will you grow for the upcoming kharif season?
   Name of the variety: ________________

   If variety is not in the list,
   Please specify name: _______________________

If transplanting,
What is the growth duration of the variety from sowing in the nursery to harvest?
   - 71-80 days
   - 81-90 days
   - 91-100 days
   - 101-110 days
   - 111-120 days
   - 121-130 days
   - 131-140 days
   - 151-160 days

If dry seeding,
What is the growth duration of the variety from sowing in the field to harvest?
   - 61-70 days
   - 71-80 days
   - 81-90 days
   - 91-100 days
What is the average yield of the variety in the field?

If field size is expressed in acre,
Grain yield: _____ quintal for _____ acre

If field size is expressed in decimal,
Grain yield: _____ quintal for _____ decimal

If field size is expressed in mana,
Grain yield: _____ quintal for _____ mana

If field size is expressed in guntha,
Grain yield: _____ quintal for _____ guntha

If manual or mechanical transplanting,
12. What is the approximate seedling age at transplanting?
   - O 15 to 20 days
   - O 21 to 30 days
   - O 31 to 40 days
   - O Older than 40 days

13. How much sun-dried, unmilled rice do you typically harvest from your field during the kharif season using selected variety or a comparable variety?

If field size is expressed in acre,
Grain yield: _____ quintal for _____ acre

If field size is expressed in decimal,
Grain yield: _____ quintal for _____ decimal

If field size is expressed in mana,
Grain yield: _____ quintal for _____ mana

If field size is expressed in guntha,
Grain yield: _____ quintal for _____ guntha

If one rice crop,
14a. What was the rabi crop before the upcoming kharif rice?
   - O Fallow, no crop
   - O Maize
   - O Oil seed
   - O Pulses
   - O Vegetable with fertilization
   - O Other crop, please specify: ____________

Was a crop grown in the summer after the previous rabi and before the upcoming kharif rice?
   - O No
   - O Yes

If yes,
What was the crop grown in the summer after the previous rabi and before the upcoming kharif rice?
   - O Oil seed
   - O Pulses
   - O Vegetable with fertilization
   - O Green manure
   - O Other crop, please specify: ____________

If two rice crops,
14b. Was a non-rice crop grown before the upcoming kharif season?
   - O Yes
   - O No
If yes,
What was the rabi crop before the upcoming kharif rice?
- O Oil seed
- O Pulses
- O Vegetable with fertilization
- O Green manure
- O Other crop, please specify: ____________

If (a) one rice crop and fallow, no crop; (b) two rice crops and no non-rice crop before kharif; or, (c) three rice crops,
15. How was the previous rice crop harvested?
- O Manual or use of reaper
- O Combine

If manual harvest or use of reaper,
What portion of residue from your previous rice crop was retained in the field?
- O Short standing biomass, 10-15 cm height
- O Tall standing biomass, harvested panicle only

If combine harvest,
How was the residue from your previous rice crop managed?
- O Straw retained in the field
- O Straw burned in the field
- O Straw removed from the field

If green manure was grown before the upcoming kharif
16. Do you apply phosphorus fertilizer to the green manure crop?
- O No
- O Yes

17. How do you plan to control weeds in the upcoming kharif season?
- O Hand weeding with labor
- O Use of herbicide
- O Both

If hand weeding with labor,
Use of herbicide will reduce cost for labor for weed control. Do you agree to use herbicide?
- O Yes
- O No

18. Which fertilizer sources in addition to urea and MOP (potash) do you plan to use this kharif season?
- O DAP
- O SSP
- O 28-28-0
- O 20-20-0-13
- O 15-15-15
- O 10-26-26
- O 16-16-16
- O 14-35-14

19. Did you apply zinc sulfate in your field in the previous rabi season?
- O No
- O Yes

If yes,
How much zinc sulfate did you apply in your field?
- O less than 15 kg/ha
- O more than 15 kg/ha

20. Will you apply organic fertilizer (FYM) this kharif season?
- O No
- O Yes

If yes,
How much organic fertilizer will you apply to your ___ field?
O ____ quintal  O ____ ton

21. Have you received a Soil Health Card for your field in the past 2 years?
   O No  O Yes

   If yes,
   What was the result for the following:

   Organic carbon  O Low  O Medium  O High
   Available phosphorus (P)  O Low  O Medium  O High
   Available potassium (K)  O Low  O Medium  O High  O Not available
   Available zinc (Zn)  O Low  O Medium  O High  O Not available
   Soil pH  O Acidic (6.5 or less)  O Normal (6.5 - 8.2)  O Alkaline (8.3 or higher)
   EC  O Normal (less than 1.0)  O Medium (1.0 - 3.0)  Harmful (Higher than 3.0)

For the person operating Rice Crop Manager

Did you answer the questions through an interview of a farmer who wants to receive a recommendation?
   O Yes
   O No, the recommendation will not be given to a farmer

Information about the farmer

Farmer ID (optional): __________________
Given name: __________________
Gender:  O Male  O Female

If male, Father’s name: _________________
If female, Father’s name/Husband’s name: _________________

Age:
   O <30  O 31-40  O 41-50  O 51-60  O >60

If selected district is one of the following: Balasore, Bargarh, Bhadrak, Cuttack, Ganjam, Keonjhar, Koraput, Mayurbhanj, Puri, Sambalpur
Where is the location of interview?
   O IFFCO input dealers  O Farmer’s Field/Home  O RCM Kendra (NGO)
   O RCM Kendra (DoA)  O Others, please specify __________
If RCM Kendra (NGO),
Name of NGO:  O NJS  O LWSIT  O BSSS  O Dhan Foundation  O SWAD

If RCM Kendra (DoA)
Location of kendra:  O Block office  O DDA office

RCM could send you SMS with farming advice during the cropping season. A phone number is required to receive SMS. Would you like to receive SMS advice?
O No  O Yes

If yes, Please provide a correct phone number which you can access for a call and SMS.
Mobile phone number: _________________

If no, Mobile phone number (optional): _________________

E-mail (optional): _________________

Information about the person operating Rice Crop Manager

Given name: _________________

Gender:  O Male  O Female

If male, Father’s name: _________________
If female, Father’s name/Husband’s name: _________________

Profession:
O Extension worker or agent
O Farmer
O Researcher
O Fertilizer dealer
O Community Resource Person (CRP)
O Common Service Center (CSC) operator
  CSC ID (required): _________________
O Others, please specify: _________________

What is your organizational affiliation?
O CRRI
O IRRI / CIMMYT
O Department of Agriculture
O OUAT
O NGO, please specify: _________________
O Other, please specify: _________________

Mobile phone number (optional): _________________
E-mail (optional): _________________