

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.

- _____ acre
 _____ decimal
 _____ mana
 _____ guntha

If selected field size is in decimal,

Is 100 decimal equal to 1 acre?

- Yes No

If no,

How many decimal in 1 acre? _____

If selected field size is in mana,

Is 1.4 mana equal to 1 acre?

- Yes No

If no,

How many mana in 1 acre? _____

If selected field size is in guntha,

Is 25 guntha equal to 1 acre?

- Yes No

If no,

How many guntha in 1 acre? _____

4. How many crops of rice are grown in the field this year?

- One Two Three

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

- Rabi Kharif

6. How do you plan to water your field in the upcoming kharif season?

- Irrigated - assured 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 10-26-26
 16-16-16 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

101-110 days

111-120 days

121-130 days

141-150 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?

15 to 20 days

21 to 30 days

31 to 40 days

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?

Fallow, no crop

Maize

Oil seed

Pulses

Vegetable with fertilization

Other crop, please specify: _____

Was a crop grown in the summer after the previous rabi and before the upcoming kharif rice?

No

Yes

If yes,

What was the crop grown in the summer after the previous rabi and before the upcoming kharif rice?

Oil seed

Pulses

Vegetable with fertilization

Green manure

Other crop, please specify: _____

If two rice crops,

14b. Was a non-rice crop grown before the upcoming kharif season?

Yes

No

If yes,

What was the rabi crop before the upcoming kharif rice?

- Oil seed Pulses Vegetable with fertilization
 Green manure 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?

- Manual or use of reaper
 Combine

If manual harvest or use of reaper,

What portion of residue from your previous rice crop was retained in the field?

- Short standing biomass, 10-15 cm height
 Tall standing biomass, harvested panicle only

If combine harvest,

How was the residue from your previous rice crop managed?

- Straw retained in the field
 Straw burned in the field
 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?

- No Yes

17. How do you plan to control weeds in the upcoming kharif season?

- Hand weeding with labor
 Use of herbicide
 Both

If hand weeding with labor,

Use of herbicide will reduce cost for labor for weed control. Do you agree to use herbicide?

- Yes No

18. Which fertilizer sources in addition to urea and MOP (potash) do you plan to use this kharif season?

- DAP SSP 28-28-0
 20-20-0-13 15-15-15 10-26-26
 16-16-16 14-35-14

19. Did you apply zinc sulfate in your field in the previous rabi season?

- No Yes

If yes,

How much zinc sulfate did you apply in your field?

- less than 15 kg/ha more than 15 kg/ha

20. Will you apply organic fertilizer (FYM) this kharif season?

- No Yes

If yes,

How much organic fertilizer will you apply to your ___ field?

____ quintal

____ ton

21. Have you received a Soil Health Card for your field in the past 2 years?

No

Yes

If yes,

What was the result for the following:

Organic carbon

Low

Medium

High

Available phosphorus (P)

Low

Medium

High

Available potassium (K)

Low

Medium

High

Not available

Available zinc (Zn)

Low

Medium

High

Not available

Soil pH

Acidic (6.5 or less)

Normal (6.5 - 8.2)

Alkaline (8.3 or higher)

EC

Normal (less than 1.0)

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?

Yes

No, the recommendation will not be given to a farmer

Information about the farmer

Farmer ID (optional): _____

Given name: _____

Gender: Male

Female

If male, Father's name: _____

If female, Father's name/Husband's name: _____

Age:

<30

31-40

41-50

51-60

>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?

IFFCO input dealers

Farmer's Field/Home

RCM Kendra (NGO)

RCM Kendra (DoA)

Others, please specify _____

If RCM Kendra (NGO),

Name of NGO: NJS LWSIT BSSS Dhan Foundation SWAD

If RCM Kendra (DoA)

Location of kendra: Block office 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?

No 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: Male Female

If male, Father's name: _____

If female, Father's name/Husband's name: _____

Profession:

Extension worker or agent

Farmer

Researcher

Fertilizer dealer

Community Resource Person (CRP)

Common Service Center (CSC) operator

CSC ID (required): _____

Others, please specify: _____

What is your organizational affiliation?

CRRRI

IRRI / CIMMYT

Department of Agriculture

OUAT

NGO, please specify: _____

Other, please specify: _____

Mobile phone number (optional): _____

E-mail (optional): _____