Rice Crop Manager (RCM)

A farmer applying fertilizer as per RCM recommendations in his plot

Rice Crop Manager (RCM) is a web-based tool based on the Site-Specific Nutrient Management (SSNM) approach. It gives rice farmers recommendations for applying the right amount of essential nutrients for their crops at the right time, along with weed and nursery management recommendations.

How to use RCM?

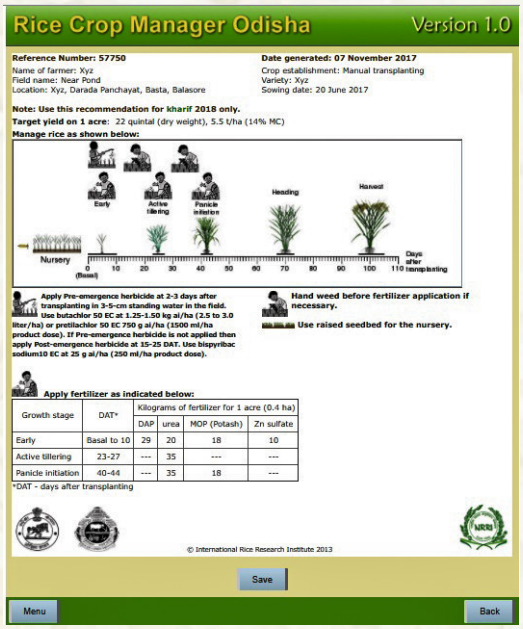
Farmers are interviewed using a standard set of questions in the RCM application on a mobile phone or computer

Their responses are captured to generate fertilizer recommendations for their specific plot. This includes the amount and time of application of various fertilizers

Recommendation is printed on an A4 size paper and provided to the farmers to be used throughout the season

The entire recommendation is also sent to the farmers during the season at the time of fertilizer application through SMSs and voice calls through IFFCO-Kisan and Precision Agriculture for Development (PAD)

Available freely on internet



Rice Crop Manager Odisha Version 1.0

Reference Number: 57750
Name of farmer: Xyz
Field name: Near Pond
Location: Xyz, Darada Panchayat, Basta, Balasore

Date generated: 07 November 2017
Crop establishment: Manual transplanting
Variety: Xyz
Sowing date: 20 June 2017

Note: Use this recommendation for kharif 2018 only.
Target yield on 1 acre: 22 quintal (dry weight), 5.5 t/ha (14% MC)
Manage rice as shown below:

Nursery, Early, Active tillering, Panicle initiation, Heading, Harvest
0 (Basal), 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110 Days after transplanting

Apply Pre-emergence herbicide at 2-3 days after transplanting in 3-5-cm standing water in the field. Use butachlor 50 EC at 1.25-1.50 kg ai/ha (2.5 to 3.0 liter/ha) or pretilachlor 50 EC 750 g ai/ha (1500 ml/ha product dose). If Pre-emergence herbicide is not applied then apply Post-emergence herbicide at 15-25 DAT. Use bispyribac sodium10 EC at 25 g ai/ha (250 ml/ha product dose).

Hand weed before fertilizer application if necessary.

Use raised seedbed for the nursery.

Apply fertilizer as indicated below:

Growth stage	DAT*	Kilograms of fertilizer for 1 acre (0.4 ha)			
		DAP	urea	MOP (Potash)	Zn sulfate
Early	Basal to 10	29	20	18	10
Active tillering	23-27	---	35	---	---
Panicle initiation	40-44	---	35	18	---

*DAT - days after transplanting

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RCM recommendation page

Accessible through ICT devices like mobile phone, laptop, tablets

Link to RCM tool

http://webapps.irri.org/in/od/rcm/

Why should one use RCM?

It will help adjust the fertilizer rate to match the planned target yield and for the specific variety being used

It gives the exact amount of fertilizer needed and the right timing for application for the specific plot and helps avoid excessive usage

It helps control weeds in the rice crop by providing recommendations to manage weeds

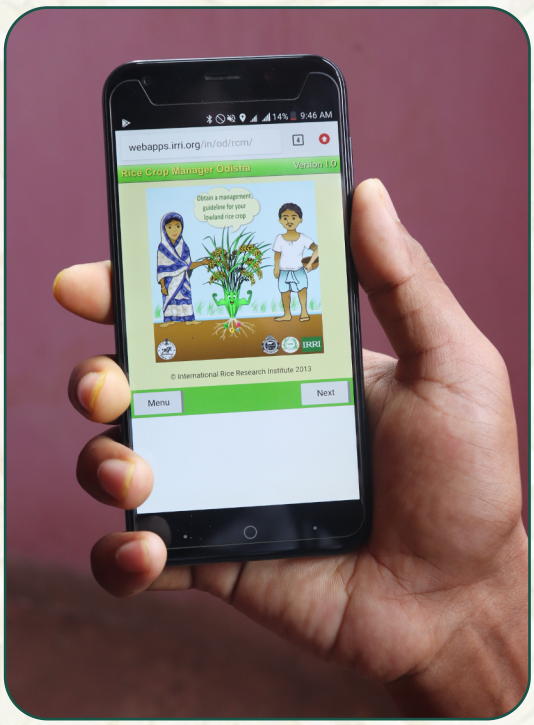
As a result of the above it helps save fertilizer costs reducing the costs of production, improving yield and consequently increasing the net returns to the farmer

Farmers during the crop cut

Field day to showcase the benefits of using RCM

Who can use RCM?

- **Farmers**
- **Extension workers**
- **Researchers**
- **Agro-advisory providers**
- **Students**



RCM homepage

RCM can be disseminated through:

- Department of Agriculture
- NGOs
- Common Service Centers
- Input dealers
- SHG groups
- Progressive farmers
- Rural youth
- Farmer Producer Organizations

For more information, please contact:

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