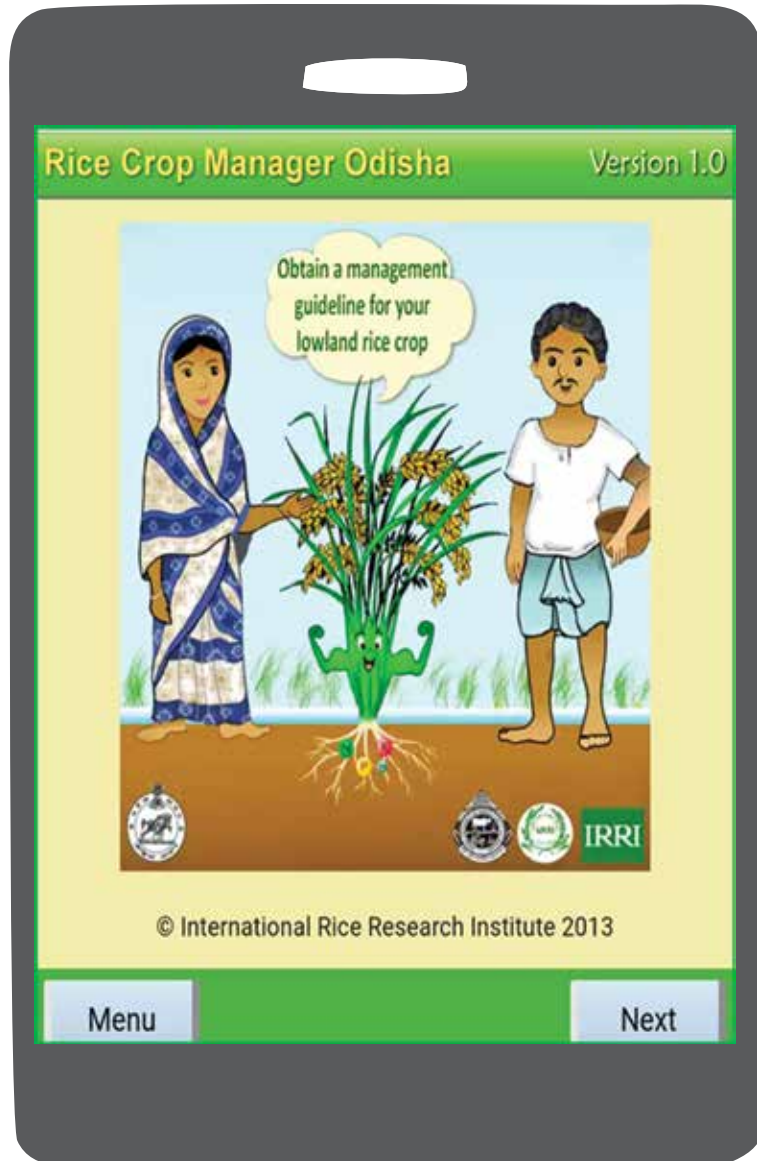# Rice Crop Manager (RCM)

Helping farmers to manage their rice crop

IRRI

Contributors:

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Rice Crop Manager: ICT based application to bridge the knowledge gap on nutrient management
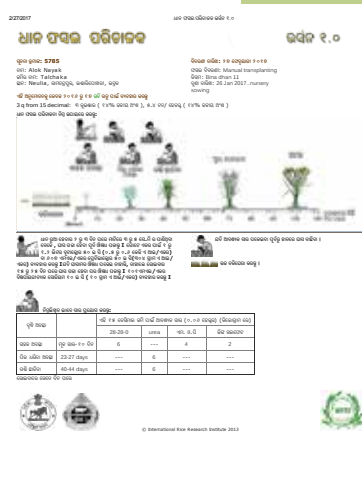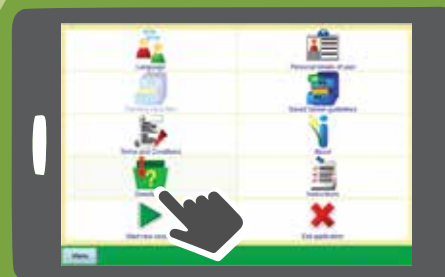

Rice Crop Manager (RCM) is a decision support tool which can be accessed through web browser on computers, tablets, and smart phones. This tool provides farmers with field specific crop and nutrient management recommendation customized to the farming conditions and needs of the farmer. It can be used by extension workers, crop advisors and service providers to interview farmers before the start of a rice cropping season. The answers given by the farmer are used to generate a recommendation, which aims to increase farmer's income through more efficient use of inputs and better crop management practices. RCM aims to provide the crop with nutrients as and when needed to achieve high yields while optimizing use of nutrients. RCM for Odisha has been developed by International Rice Research Institute (IRRI) in collaboration with Odisha University of Agriculture and Technology (OUAT), National Rice Research Institute (NRRI), Department of Agriculture (DoA) Odisha, and International Maize and Wheat Improvement Center (CIMMYT). Initial results have shown comparative advantage of using Rice Crop Manager as a tool for providing site specific nutrient and crop management advisory to the farmers with one or a combination of factors e.g. saving of inputs, increase in yields and reduction in time for providing fertilizer recommendation. Rice Crop Manager is available in English and Odia language.

The generated recommendations can be given to the farmers in the following two ways:

1. By taking a print out
2. By using the blank format

Here is how you can use the blank format for providing recommendations:

1. To download the blank format from website, first click on the "downloads" option in the menu.
2. Click on the "recommendation page" to start downloading the blank format.
3. Print the blank format and make multiple copies as per requirement.
4. Interview the farmer using RCM and generate the recommendation.
5. Write down the recommendation in the specific table given in the blank format.
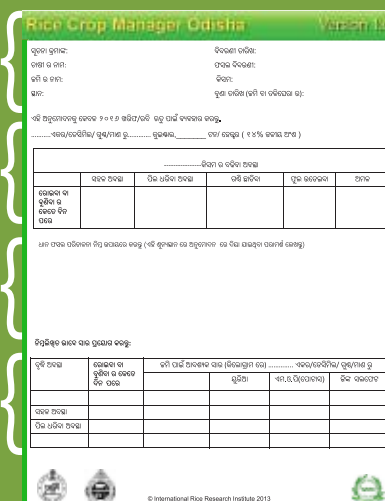6. Handover to farmer for its use.

Fill these information in the given space in the blank format

Write down the critical stages in the specified table in the blank format

Write down the other crop management practices in the given space in the blank format

Write down the fertilizer doses and day of application in the specified table in the blank format

For more information, please contact:
sheetal.sharma@irri.org
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To receive recommendations for your rice crop, contact your block agriculture office.

About: A short description about the development of this application, research and dissemination partners is given here.

Downloads: The questionnaires for *Kharif* and *rabi*, both in Odia and English can be downloaded from here in pdf format. Also a blank format (Odia and English) of recommendation is uploaded, which could be printed before and carried in case printer is not available at the interview location. The person conducting the interview can fill the blank format manually and give to the farmer.

8. By clicking on the "start new session" option, you can go to the questionnaire page and start interviewing the farmer. After finishing the questionnaire, click on the "submit button" at the bottom right corner. Note that if you have missed any data while filling the questionnaire, submit button will not appear.

9. Once you select the "submit button", recommendation will be generated.

10. At the bottom of the recommendation page, save option appears. By clicking on the save button, the recommendation can be saved in the "saved farmer guidelines" and can be seen later by clicking on the recommendation.

Click on the "check mark" and then click the open option for viewing the recommendation

Save button

11. There is a "print" option at the bottom of the recommendation page and by clicking that the recommendation can be printed on a A4 size paper.
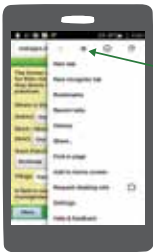
12. You can download the recommendation and save as pdf on your desktop/laptop.

13. You can share it via email and send to anyone by giving their mail id.

14. You can bookmark the RCM website for future use, and also use it for filling the questionnaire offline in the following way:

Click on these three dots

Click on the star to bookmark the page

Click "done" to finish bookmarking in laptop/ desktop

15. You can also create a shortcut for RCM website on your desktop in the following way:

Right click on the home screen select New, then Shortcut

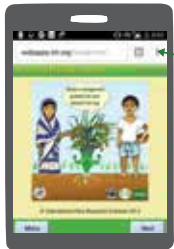Type http://webapps.irri.org/in/od/rcm/as the location of the item

Type RCM as the name for the shortcut Click Finish

RCM shortcut will appear on the desktop

16. Shortcut for RCM website on your mobile can also be created in the similar way:

Click on these three dots

Click on "Add to Home screen"

Click on "Add" option

A message will appear stating that "RCM OD v 1.0 was added to your Home screen"

RCM shortcut

Steps to get started:

Requisites: | Laptop/Tablet/Mobile | Wireless/Wired Printer | Internet | Stationary | Blank Recommendation Page

1. Connect to the internet through wifi /LAN /data card.

2. RCM is most compatible with "google chrome".
   If you do not have google chrome, download using the following link:
   https://www.google.com/chrome/browser/desktop

3. Type url "http://webapps.irri.org/in/od/rcm/" to open the RCM page.

4. Bookmark this page for using RCM offline. Questionnaire can be filled offline, but internet is required for generating recommendation.

5. To start the RCM application, click on the "I agree with terms and conditions" button.

6. Select language, either Odia or English.

7. **Menu button shows the following options:**

Language: You can choose your preferred language by clicking this icon (English or Odia).

Personal details: Fill your personal information to be used later in the questionnaire.

Pending farmer guidelines: In case, farmers' interview is conducted offline, the details are saved here after the interview and recommendation can be generated once the device is connected to the internet.

Saved farmer guidelines: Once the questionnaire is submitted, the recommendation will be generated in a few seconds, depending on the internet speed. At the bottom of the recommendation page, save option appears. By clicking on the save button, the recommendation will be saved under "saved farmer guidelines".

Terms and conditions: Some terms and conditions are mentioned here, like IRRI does not endorse any fertilizer or input company. For details, please visit the website.