Crop Manager for Rice-based Systems Bihar Version1.0 (For NON-KHARIF only)

Crop Manager for Rice-based Systems provides a farmer with personalized crop management recommendations for rice, rabi maize, and wheat grown in both rainfed and irrigated conditions.

Instructions:

The farmer should answer the following questions for their field before the establishment of their next rice, rabi maize, or wheat crop. If the farmer has more than one field, the questions should be answered separately for each field for which a recommendation is desired.

1.	Block:		
A	field is one or more par	cels with similar manage	ement, variety, and soil fertility.
2.	How do you name the	field for identification?	
	te: Use a descriptive name that alphanumeric characters can be		the field to be provided with CMRS recommendation. Only 3 to
3.	What is the size of the O kattha O acre	e field?	
	If kattha, How many kattha in 1 O 32	acre?	
	O 17	O Other:	
		ny of the following: Darb crop do you need a reco O Rabi maize	hanga, Katihar, Kishanganj, or Purnia, mmendation?
	O Wheat	O Boro rice	
	herwise, b. For which upcoming o O Kharif rice	rop do you need a reco O Rabi maize	mmendation? O Wheat
	If rabi maize, continu	ue answering the ques	tions in SET B1.

If wheat, continue answering the questions in SET C1.

If boro rice, continue answering the questions in SET A2.

SET A2. *If the selected crop is boro rice:*

5. \	Vhat rice variety do you plan to grow in the upcoming boro? O Name of the variety: O Not in the list. Please provide the name of the variety:					
(If not in the list, What is the growth duration of the variety from sowing to harvest? O 81-90 days O 91-100 days O 101-110 days					
	O 111-120 days	O 121-130 days	O 131-140 days			
(O 141-150 days					
Pro	oceed to SET A3.					
SE	T A3.					
	How will <mark>rice</mark> be establish O Manual transplanting		nting			
(O Wet seeding	O Dry seeding				
	<i>If no,</i> What is your source of	llings?) No				
If yes or no, When will rice be sown in the nursery? Select a month: O May O June O July O August						
	Enter a date:					

If wet or dry seeding,

7b. When will rice be sow	n in the field?				
Select a month: O May O June O July O August					
Enter a date:					
If manual transplanting, 8a. What is the approxima O 15-20 days	ate seedling age at transplanting? O 21-30 days				
O 31-40 days	O Older than 40 days				
8b. What is the approximation	If mechanical transplanting, 8b. What is the approximate seedling age at transplanting? O 15-20 days O 21-30 days				
9. What rice variety did you grow last year in your field in kharif? Name of the variety:					
10. What yield of fresh, unmilled rice did you harvest last year from your insert field size in loca unit field using insert selected variety in question 15? Sum amounts of grain marketed, retained for household consumption, and provided to laborers.					
	If grain yield is expressed in quintal, Grain yield: quintal from insert field size in local unit				
Note: 1 quintal = 10	00 kg				
If field size is express Grain yield: kilo	ed in kilograms, ograms from <i>insert field size in local unit</i>				

Proceed to SET D2.

SET B1. *If the selected crop is rabi maize:*

5.	How will rabi maize be 6 O Zero or reduced tillag	established? e O Conventional tillage
6.	What maize variety will O Hybrid	you grow for the upcoming rabi season? O Open-pollinated variety (OPV)
7.	When will rabi maize be	planted in the field?
	Select a month: O October O November O December O January O February	
	Enter a date:	
8.		ed for yield of <mark>rabi maize</mark> ? O Kilograms
9.	past two years?	in your <i>insert field size in local unit</i> field in the rabi season within the O Yes
		nelled maize do you typically harvest from your insert field size in local son using insert selected variety type with planting in insert selected
	If grain yield is exp Grain yield:	ressed in quintal, quintal from <i>insert field size in local unit</i>
	Note: 1 quintal	= 100 kg
		ressed in kilograms, kilograms from <i>insert field size in local unit</i>
10	D. Indicate below your plate Between rows: cr	

Proceed to SET D1.

SET B2

11. How many times do yo O Zero (Full rainfed) O 1 to 4 times (Partial O 5 times or more (Fu	irrigation)	e the r <mark>abi maize</mark> crop from e	establishment to harvest?
O Adequate irrigation	in past years, wh and rainfall durin	nat do you anticipate for the g maize growth; no yield lo vth; yield loss from drought	ss from drought
13. Which best describes O Clayey	the soil in your fi O Loamy	eld? O Sandy	
14. Did you apply zinc to to O No O Yes, at less than 10 O Yes, at 10 kg Zn su	kg Zn sulfate/ac	cre	
15. Which best describes crop? O Apply less than 70 I O Apply 70 or more kg	kg N fertilizer/acr		the upcoming rabi maize

Proceed to SET D2.

SET C1. *If the selected crop is wheat:*

	How will wheat be established? O Zero tillage O Conventional tillage, broadcast sowing O Conventional tillage, line sowing
	What wheat variety will you grow for the upcoming season? Name of the variety:
7. \	When will wheat be sown in the field?
	Select a month: O November O December
	Enter a date:

Proceed to SET D1.

SET C2

8. How many times of 0 1 time	do you plan to irrigate t O 2 times	he wheat crop from establishment to hare O 3 or more times	vest?
 What kind of week O Phalaris minor O Broadleaves O Mix of broadlea O Not known 	only	r field during the wheat crop?	
	-	g: Kishanganj, Purnia, Araria, Saharsa, or with sterility of wheat such as chaffy gra	
<i>If yes,</i> Did you apply bo O No	oron to wheat in recent of Yes	seasons?	
O No O Yes, at less th	nc to the previous <mark>rice o</mark> an 10 kg Zn sulfate/acr Zn sulfate/acre or more	re	

Proceed to SET D2.

SET D1. *If the selected crop is rabi maize or wheat:*

1.	What rice variety was under the variety: _		kharif?			
2.	How was the previous O Manual	r <mark>ice</mark> crop harve O Combine	ested?			
	manual harvest, a. What portion of residue from your previous rice crop was retained in the field? O Short standing biomass, about 10 cm height O Tall standing biomass, about 20 cm height					
	f combine harvest, Bb. How was residue from your previous rice crop managed? O Standing biomass and straw retained in field O Straw removed and standing biomass retained in field O Standing biomass and straw removed after harvest					
	maize, proceed to SET wheat, proceed to SET					
	ET D2. If the selected o		aize, whe	eat, or boro rice:		
4.	What fertilizer sources O DAP (18-46-0) and M (0-0-60)		•	ou apply to rice? 20-20-0-13) and MOP		
	O NPK (12-32-16) and	MOP	O NPK (10-26-26) and MOP		
5.	Has a soil test been ob O No	tained for the f O Yes	ield in the	e past 2 years?		
	If yes, What was the result for O Low	nitrogen (N)? O Medium		O High		
	What was the result for O Low	phosphorus (l O Medium	P)?	O High		
	What was the result for O Low	potassium (K O Medium)?	O High		
	What was the result for	zinc (Zn)?				

O Low	O Medium				
O High	O Not available				
What was the result for O Low	o Medium				
O High	O Not available				
For the person operating	g Crop Manager for Rice-based Systems				
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 the farmer					
If yes, continue answering Information about the fa	·				
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					
O I have seen a demonstr O I have seen a demonstr O I have seen a demonstr O I have used submerger	wing represents you: (Allow selection of more than one.) ration on mechanical transplanting. ration on dry seeded rice. ration on zero tillage wheat. nce tolerant rice in previous years. erant rice in previous years.				
Mobile phone number (op	tional):				

Email (optional):	
Information about the person operating Crop Manager for Rice-based System	ms
Given name:	
Gender: O Male O Female	
If Male, Father's name:	
If Female, Father's name / Husband's name:	
Do you reside in Bihar, India? O Yes O No	
Profession: O Extension worker or agent O Farmer O Researcher O Fertilizer dealer O NGO O Others, please specify:	
What is your organizational affiliation? O BAU O CRS O CSISA O ICAR O RAU O Others, please specify:	
Mobile phone number (optional): E-mail (optional):	

END