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Questionnaire

Rice Crop Manager (RCM) provides a farmer with a personalized crop management recommendation after the farmer answers a series of questions. It is only for use with irrigated and rainfed rice grown in farm lots surrounded by bunds. Based on research trials, RCM can increase yields and added net benefit when farm lots normally yield below 7 tons/ha (at 14% moisture content). For farm lots with normal yield of 7 tons/ha (at 14% moisture content) and above, the benefit from RCM could be very small or negligible.

Instructions:

If the farmer received an RCM recommendation for their previous rice crop, farmer's practices for the previous rice crop can be monitored with RCM Farming Monitor (<https://phapps.irri.org/ph/rcmfm/>).

The farmer should answer the following questions for a farm lot before the 5th day after transplanting for transplanted rice or before the 8th day after sowing for direct seeded rice. If the farmer has more than one farm lot, the questions should be answered separately for each farm lot for which a recommendation is desired.

1. Do you have an RCM farmer ID number? If yes, provide the RCM farmer ID number, and the birth date or mother's maiden name of farmer. Birth date or mother's maiden name of farmer will be used to verify your information during monitoring or interview to launch SMS.

Yes or No	RCM farmer ID number	Birth date (Month/Day/Year) or Mother's maiden name of farmer

2. For how many rice farm lots do you want a recommendation for the upcoming cropping season? _____

Answer the following questions for your farm lot/s.

3. Provide a name for the rice farm lot for identification.

	Farm lot name
Farm lot 1	
Farm lot 2	
Farm lot 3	

Note: Use descriptive name that the farmer can easily associate to the farm lot to be provided with RCM recommendation. Only 3 to 30 alphanumeric characters can be used for farm lot name.

4. Where is the farm lot?

Region: _____

Province: _____

	Municipality	Barangay
Farm lot 1		
Farm lot 2		
Farm lot 3		

5. What is the size of the farm lot area on which rice will be grown?

	Hectare	Square meter (m ²)	Length (m) x width (m)
Farm lot 1			
Farm lot 2			
Farm lot 3			

Note: Minimum farm lot size that can be provided with RCM recommendation is 0.005 hectare and maximum farm lot size is 10 hectares.

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6. How many times do you plant rice in the farm lot in a year?

	Number of crops/year
Farm lot 1	
Farm lot 2	
Farm lot 3	

7. How will you establish the upcoming rice crop?

Choose from the ff: Manual transplanting, Mechanical transplanting, Wet seeding, or Dry seeding

	Crop establishment
Farm lot 1	
Farm lot 2	
Farm lot 3	

If crop establishment method is wet or dry seeding,

8a. When is rice sown in the farm lot?

	Sowing date in the farm lot (Month and date)
Farm lot 1	
Farm lot 2	
Farm lot 3	

Warning: To receive a recommendation, date of interview should not be more than 7 days after the sowing date in the farm lot.

If crop establishment method is transplanting,

8b. When is rice sown in the seedbed?

	Sowing date in the seedbed (Month and date)
Farm lot 1	
Farm lot 2	
Farm lot 3	

If crop establishment method is transplanting,

9. What is the approximate seedling age at transplanting?

Choose from the following:

- 10-14 days
 15-22 days
 23 days or more

	Seedling age (number of days)
Farm lot 1	
Farm lot 2	
Farm lot 3	

Warning: To receive a recommendation, the date of interview should not be more than or equal to 5 days after transplanting in the farm lot.

10. What was grown in the last three months before the upcoming rice sown in **selected sowing month**?

Choose from the following:

- Rice
 Corn
 Legume (such as mungbean, cowpea)
 Vegetable/melon
 No crop

For Abra or any province in Region I that grows one rice crop only per year with sowing in March to August, additional crops that may be selected are below:

- Bell pepper/eggplant
 Tomato
 Tobacco

	Crop
Farm lot 1	

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Farm lot 2	
Farm lot 3	

11. Which describes your farm lot in the upcoming season with sowing in **selected sowing month**?

	Irrigated or Rainfed
Farm lot 1	
Farm lot 2	
Farm lot 3	

If rice farm lot is irrigated,

12a. Do you use a pump powered by gasoline, diesel, or electricity for irrigation?

	Yes or No
Farm lot 1	
Farm lot 2	
Farm lot 3	

If rice farm lot is rainfed,

12b. Do you have access to a pump for supplying when a drought risks loss of crop yield?

	Yes or No
Farm lot 1	
Farm lot 2	
Farm lot 3	

13. What variety will you grow for the upcoming season with sowing in **selected sowing month**?

	Inbred or Hybrid	Name of variety
Farm lot 1		
Farm lot 2		
Farm lot 3		

If variety is not in the list,

What is the growth duration of the variety from sowing to harvest?

	Number of days from sowing to harvest
Farm lot 1	
Farm lot 2	
Farm lot 3	

If crop establishment is transplanting, choose from the following:

101-110 days 111-120 days 121-130 days

If crop establishment is wet or dry seeding, choose from the following:

91-100 days 101-110 days 111-120 days

If crop establishment method is wet seeding or dry seeding,

14. What seed rate will you use for your ___ hectare farm lot for the upcoming rice sown in **selected sowing month**?

	Amount in kilogram
Farm lot 1	
Farm lot 2	
Farm lot 3	

Input value should not be lower than 15 kg and should not exceed 300 kg seed/ha.

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15. How many sacks of fresh, unmilled rice do you normally harvest from your ___ hectare farm lot during the estimated harvest month using (inbred or hybrid) variety? Give your total harvest.

	Number of sacks	Weight of sack (kg)
Farm lot 1		
Farm lot 2		
Farm lot 3		

Note: Normal yield is the yield without extreme events such as floods, submergence, drought or pest attack that caused significant yield loss.

If selected variety type is hybrid,

16a. What variety type did you grow in the last season with the same sowing time in (selected month)?

	Inbred or Hybrid
Farm lot 1	
Farm lot 2	
Farm lot 3	

If selected variety type is inbred,

16b. What is the source of your rice seeds for the upcoming season with sowing in (selected month)?

- Purchased certified seeds with tag or provided by DA
- Purchased or exchanged seeds from other farmer using good quality seed or from a farm lot with proper rouging
- Seeds from the first harvest of certified seeds with tag
- Home-saved seeds or seeds used for several seasons

	Source of rice seeds in the upcoming season
Farm lot 1	
Farm lot 2	
Farm lot 3	

If selected variety type is inbred,

17. What was the source of your rice seeds in the previous rice cropping season?

- Purchased certified seeds with tag or provided by DA
- Purchased or exchanged seeds from other farmer using good quality seed or from a farm lot with proper rouging
- Seeds from the first harvest of certified seeds with tag
- Home-saved seeds or seeds used for several seasons

	Source of rice seeds in the previous rice cropping season
Farm lot 1	
Farm lot 2	
Farm lot 3	

If the previous crop was rice,

18. How was rice harvested in the immediate **previous** season?

Choose from the ff: Manual harvest, Reaper, or Combine harvest

	Harvest method
Farm lot 1	
Farm lot 2	
Farm lot 3	

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19. How many sacks of fresh, unmilled rice did you harvest from your ___ hectare farm lot in the immediate previous season? Give your total harvest.

	Number of sacks	Weight of sack (kg)
Farm lot 1		
Farm lot 2		
Farm lot 3		

20. Which best describes your rice farm lot in recent years with sowing in **selected sowing month**?

Choose from the following:

- Adequate water supply during rice growth; no yield loss from drought or submergence stress
- Submergence stress during rice growth resulted in yield loss
- Shortage of water during rice growth resulted in yield loss

	Status of water supply
Farm lot 1	
Farm lot 2	
Farm lot 3	

If previous crop was not vegetable, melon, bellpepper, eggplant or tomato,

21. Do you apply insecticide within 30 days after transplanting / sowing / emergence?

	Yes or No
Farm lot 1	
Farm lot 2	
Farm lot 3	

If insecticide is applied within 30 days after transplanting/sowing/emergence,

22. Will you synchronize your transplanting / sowing within 2 weeks before to 2 weeks after that of your neighboring farm lots?

	Yes or No
Farm lot 1	
Farm lot 2	
Farm lot 3	

23. How will you control weeds in the upcoming season? *(Can select more than 1 option)*

Choose from the following:

Pre-emergence herbicide, Post-emergence herbicide, Hand weeding, and/or Water management

	Weed management		
Farm lot 1			
Farm lot 2			
Farm lot 3			

If transplanted with 1 or 2 rice crops per year,

24. Do you observe any of the following in your rice farm lot? Select all that apply.

- Profuse growth of water lettuce in the past same seasons.
- An oily film on water or wet soil surface in the past same seasons.
- Standing water in the farm lot for 3 weeks or more before land preparation in this season with planned sowing in **selected sowing month**.
- Dusty brown spots on upper leaves of rice at 2 to 4 weeks after transplanting in the same past seasons
- None of the above observed.

	Observations in the farm lot
Farm lot 1	
Farm lot 2	

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Farm lot 3	
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25. In this **upcoming** season, will you apply organic fertilizer?

	Yes or No
Farm lot 1	
Farm lot 2	
Farm lot 3	

If yes,

How much organic fertilizer will you apply to your ___ hectare farm lot?

	Number of sacks	Weight of sack (kg)
Farm lot 1		
Farm lot 2		
Farm lot 3		

26. Choose your preferred single Nitrogen-containing fertilizer for topdressing.

	Urea (46-0-0) or Ammosul (21-0-0)
Farm lot 1	
Farm lot 2	
Farm lot 3	

For the person operating *Rice Crop Manager*

27. Did you answer the questions through an interview of a farmer who wants to receive a recommendation?

- Yes
 No, a recommendation will not be given to a farmer

28. Information about the farmer

First name: _____

Middle name: _____

Last name: _____

Suffix: _____

Gender: Male Female

29. Birth date of farmer will be used to verify your information during monitoring or interview to launch SMS. Provide information if the farmer has not yet given the information from question number 1:

Do you know your birth date? Yes No

If yes, Birth date: Month: _____ Day: _____ Year: _____

RCM could send you SMS with farming advice during the cropping season. A phone number is required to receive SMS. Please provide a correct phone number which you can access for a call and SMS.

30. Mobile phone number: _____

Note: RCM may send a verification message to this phone number after the interview.

If a phone number is given,

Who is the owner of the phone?

- Self Spouse Son or daughter
 Other relative Neighbor Others, please specify: _____

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40. For which DA program/project does this interview of farmer belong? (Select by checking below)

	RCM large scale dissemination project	Rice Model Farm	Intensive hybridization program	No DA project involvement	Others (please specify)
Farm lot 1					
Farm lot 2					
Farm lot 3					

41. Information about the person operating *Rice Crop Manager*

RCM User Id: _____

RCM User Password: _____

Given name: _____

Surname: _____

Gender: Male Female

- Profession:
- Extension worker or agent
 - AEW (Agricultural Technologist / Agricultural Technician) - Provincial level
 - AEW (Agricultural Technologist / Agricultural Technician) - Municipal/City level
 - Local Farmer Technician (LFT) / Farmer Led Extensionist (FLE)
 - Magsasakang Siyentista (MS)
 - Irrigators Association Officer
 - Institutional development Officer
 - Farmer
 - Researcher
 - Loan officer
 - Fertilizer dealer
 - DA RFO
 - DA ATI
 - Others, please specify: _____

Mobile phone number (required): _____

E-mail (optional): _____

If the municipality selected has an Enhanced FITS center by DA-ATI,

42. Is the person interviewing the farmer associated with the (indicated municipality) Enhanced FITS center by DA-ATI?

- No Yes