

## **Nutrient Manager for Rice (Cauvery Delta, Tamil Nadu India) Beta version**

The farmer should answer the questions for their rice field for the season they desire a fertilizer recommendation.

1. Where is the field?

District: \_\_\_\_\_ Block: \_\_\_\_\_ Village: \_\_\_\_\_

2. Land survey number of the field: \_\_\_\_\_

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

- Kuruvai
- Samba
- Thaladi

### **SET A. If the selected season is kuruvai season:**

4. What is the size of the field in **kuruvai** season?

Select unit:

- \_\_\_\_\_ Ma
- \_\_\_\_\_ Acre
- \_\_\_\_\_ Kuzhi

5. What is the source of irrigation water?

- Tube well only
- Canal only
- Tube well and canal

6. Which best describes the soil in your field?

- Sandy
- Clayey

7. How will your crop be established in the upcoming **kuruvai** season?

- Manual transplanting
- Mechanical transplanting
- Dry seeding
- Wet seeding

### **If transplanting,**

8a. When is rice sown in the nursery?

Select a month:

- May
- June
- July

Enter a date: \_\_\_\_\_

### **If direct seeding,**

8b. When is rice sown in the field?

Select a month:

- May

- June
- July

Enter a date: \_\_\_\_\_

9. What variety will you grow for the upcoming **kuruvai** season?

Name of the variety: \_\_\_\_\_

10. What is the local unit used for yield of rice?

- Bag
- Kalam
- Meni

11. What yield of fresh, unmilled rice including the share for laborers (if any) is typically obtained for the variety **indicated in number 9** or a comparable variety in the **kuruvai** season?

**If field size is expressed in ma or kuzhi,**

Grain yield in the selected unit for yield in number 10 per ma or kuzhi: \_\_\_\_\_

**If field size is expressed in acre,**

Grain yield in the selected unit for yield in number 10 per acre: \_\_\_\_\_

12. What yield of fresh, unmilled rice including the share for laborers (if any) was obtained in the **thaladi** season?

**If field size is expressed in ma or kuzhi,**

Grain yield in the selected unit for yield in number 10 per ma or kuzhi: \_\_\_\_\_

**If field size is expressed in acre,**

Grain yield in the selected unit for yield in number 10 per acre: \_\_\_\_\_

13. Is salinity a problem in your field?

- No
- Yes

14a. Will you apply composted farmyard manure (FYM) to your field this upcoming **kuruvai** season?

- No
- Yes

**If yes,**

14b. Select the unit of addition for the FYM that you will use.

- Head load
- Cart load
- Tractor trailer load

How much FYM will you apply to your whole field?

Enter number of the **selected unit of addition in number 14b**: \_\_\_\_\_

15. Which fertilizer sources in addition to urea do you plan to use this **kuruvai** season?

- DAP and MOP
- SSP and MOP
- 17-17-17
- 10- 26-26

20-20-0 and MOP

15-15-15

**For the person operating *Nutrient Manager for Rice*:**

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**

Given name: \_\_\_\_\_

Father's name: \_\_\_\_\_

Age:

<30

31-40

41-50

51-60

>60

Gender:

Male

Female

Indicate which of the following represents you:

KVK has used my rice field for demonstrations

CSISA or TNAU conducted experiments or demonstrations in my rice field

CSISA or TNAU conducted activities in my neighbors rice field

None of the above

Mobile phone number: \_\_\_\_\_

Landline number: \_\_\_\_\_

**SET B. If the selected season is samba season.**

3. What is the size of the field in **samba** season?

Select unit:

\_\_\_\_\_ Ma

\_\_\_\_\_ Acre

\_\_\_\_\_ Kuzhi

4. How will your crop be established in the upcoming **samba** season?

Manual transplanting

Mechanical transplanting

Dry seeding

Wet seeding

**If transplanting,**

5a. What is the source of irrigation water for the nursery?

Tube well only

Canal only

Tube well and canal

**If direct seeding or transplanting,**

5b. What is the source of irrigation water throughout the growing period of rice?

Tube well only

Canal only

Tube well and canal

6. Which best describes the soil in your field?

Sandy

Clayey

**If transplanting,**

7a. When is rice sown in the nursery?

Select a month:

July

August

September

Enter a date: \_\_\_\_\_

**If direct seeding,**

7b. When is rice sown in the field?

Select a month:

July

August

September

Enter a date: \_\_\_\_\_

8. What variety will you grow for the upcoming **samba** season?

Name of the variety: \_\_\_\_\_

If manual transplanting,

9. What is the approximate seedling age at transplanting?  
 younger than 35 days                       35 days or older

10. What is the source of your rice seeds for the **samba** season?  
 Self-produced  
 Purchased certified  
 Exchange from neighbor farm  
 Purchased other than certified  
 Other source

If "other source,"  
Please specify source: \_\_\_\_\_

11. What is the local unit used for yield of the harvested rice?  
 Bag  
 Kalam  
 Meni

12. What yield of fresh, unmilled rice including the share for laborers (if any) is typically obtained for the variety indicated in number 10 or a comparable variety in the samba season?

If field size is expressed in ma or kuzhi,  
Grain yield in the selected unit for yield in number 13 per ma or kuzhi: \_\_\_\_\_

If field size is expressed in acre,  
Grain yield in the selected unit for yield in number 13 per acre: \_\_\_\_\_

13. Which best describes your field in the landscape?  
 Low lying where water accumulates                       Normal plain

14a. Will you apply composted farmyard manure (FYM) to your field this upcoming **samba** season?  
 No                       Yes

If yes,

14b. Select the unit of addition for the FYM that you will use.  
 head load  
 cart load  
 tractor trailer load

How much FYM will you apply to your whole field?  
Enter number of the **selected unit of addition in number 14b**: \_\_\_\_\_

15. Which fertilizer sources in addition to urea do you plan to use this **samba** season?  
 DAP and MOP                       17-17-17  
 SSP and MOP                       10- 26-26  
 20-20-0 and MOP                       15-15-15

**For the person operating *Nutrient Manager for Rice*:**

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**

Given name: \_\_\_\_\_

Father's name: \_\_\_\_\_

Age:

- <30
- 31-40
- 41-50
- 51-60
- >60

Gender:

- male
- female

Indicate which of the following represents you:

- KVK has used my rice field for demonstrations
- CSISA or TNAU conducted experiments or demonstrations in my rice field
- CSISA or TNAU conducted activities in my neighbors rice field
- None of the above

Mobile phone number: \_\_\_\_\_

Landline number: \_\_\_\_\_

**SET C. If the selected season is thaladi season:**

3. What is the size of the field in **thaladi** season.  
Select unit:  
\_\_\_\_\_ Ma  
\_\_\_\_\_ Acre  
\_\_\_\_\_ Kuzhi
4. How will your crop be established in the upcoming **thaladi** season?  
 Manual transplanting                       Mechanical transplanting  
 Dry seeding                                       Wet seeding

**If transplanting,**

- 5a. Will thaladi be transplanted within 15 days after harvesting of kuruvai?  
 no                       yes

**If dry seeding or wet seeding,**

- 5b. Will thaladi be sown within 15 days after harvesting of kuruvai?  
 no                       yes

6. Which best describes the soil in your field?  
 Sandy                       Clayey

**If transplanting,**

- 7a. When is rice sown in the nursery?

Select a month:

- September  
 October

Enter a date: \_\_\_\_\_

**If direct seeding,**

- 7b. When is rice sown in the field?

Select a month:

- September  
 October

Enter a date: \_\_\_\_\_

8. What variety will you grow for the upcoming **thaladi** season?

Name of the variety: \_\_\_\_\_

**If manual transplanting,**

9. What is the approximate seedling age at transplanting?  
 Younger than 35 days                       35 days or older
10. What is the source of your rice seeds for the **thaladi** season?  
 Self-produced  
 Purchased certified

- Exchange from neighbor farm
- Purchased other than certified
- Other source

If "other source,"  
Please specify source: \_\_\_\_\_

11. What is the local unit used for yield of the harvested rice?

- Bag
- Kalam
- Meni

12. What yield of fresh, unmilled rice including the share for laborers (if any) is typically obtained for the variety indicated in number 9 or a comparable variety in the **thaladi** season?

If field size is expressed in ma or kuzhi,  
Grain yield in the selected unit for yield in number 12 per ma or kuzhi: \_\_\_\_\_

If field size is expressed in acre,  
Grain yield in the selected unit for yield in number 12 per acre: \_\_\_\_\_

13. What yield of fresh, unmilled rice including the share for laborers (if any) was obtained in the **kuruvai** season? Express yield on a field moist basis.

If field size is expressed in ma or kuzhi,  
Grain yield in the selected unit for yield in number 12 per ma or kuzhi: \_\_\_\_\_

If field size is expressed in acre,  
Grain yield in the selected unit for yield in number 12 per acre: \_\_\_\_\_

14a. How was the rice crop in the kuruvai season harvested?

- manual
- combine

If manual harvesting,

14b. What height of standing biomass from past kuruvai was retained before this thaladi season?

- 1/2 foot
- 1 foot

If combine harvesting,

14c. Was the straw removed from the field after harvest?

- No
- Yes

15. Which best describes your field in the landscape?

- Low lying where water accumulates
- Normal plain

16. Which fertilizer sources in addition to urea do you plan to use this **thaladi** season?

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- SSP and MOP
- 20-20-0 and MOP
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