

**Agro Advisory Service for Rice**  
**ICAR - Central Rice Research Institute, Cuttack 753 006**

**Strategies for Second Fortnight of March '15**

- Final top dressing of nitrogen may be done for High Yielding Varieties (HYVs) with remaining 1/4<sup>th</sup> of the recommended N dose (Urea @ 52 kg/ ha) at 60 days after transplanting (DAT). In case of hybrids, top dressing may be done with remaining 1/4<sup>th</sup> of the recommended N and K dose (Urea @ 65 kg/ ha and MOP @ 25 kg/ ha) at 60 DAT.
- In areas prone to Brown Plant Hopper (BPH), White-backed Plant Hopper (WBPH) and Leaf Folder (LF) infestation, start monitoring of BPH, WBPH and LF population. The Economic Threshold Level (ETL) for these pests are as follows:

Leaf folder : 1 or 2 damaged leaves/ hill

BPH : 5-10 insects/ hill

WBPH : 5-10insects/ hill

If the insect pest population is above ETL, apply any one of the following pesticides mixed with 500 litres of water:

Leaf folder : Triazophos 40EC @ 625ml/ha  
Thiamethoxam25WG @ 100g/ha  
Neem oil @ 5ml/litre of water with 2% detergent liquid

BPH/WBPH : Imidacloprid 17.8SL @125ml/ha or  
Thiamethoxam25WG @ 100g/ha or  
Ethofenprox10EC @ 500ml/ha or  
Neem oil @ 5ml/litre of water with 2% detergent liquid

***(Note: To conduct monitoring for BPH/WBPH, the basal parts of some rice plants are to be disturbed mildly with a stick so that the insects jump to standing water from which their occurrence or ETL can be known).***

## **Agro Advisory Service for Rice**

### **[For Assam]**

#### **Strategies for Second Fortnight of March '15**

##### **Boro rice**

Monitor for the incidence of stem borer, leaf folder and caseworm in *boro* rice crop. If warranted, spray any one of the following pesticides mixed in 500 litres of water for management:

Stem Borer: Chlorpyrifos 20EC @ 2500ml/ha or  
Quinalphos 25EC@ 2000 ml/ ha

Case worm: Chlorpyrifos 20EC @ 2500ml/ha

Leaf folder: Chlorpyrifos 20EC @ 2500ml/ha or  
Quinalphos 25EC@ 2000 ml/ ha or  
Triazophos 40EC @ 625ml/ha

##### **Early *ahu* rice:**

- In early *ahu* nursery, apply carbofuran 3G @ 3 g/sqm at 5-7 days before uprooting of seedlings.
- During final puddling of early *ahu* rice field, apply 6 kg urea, 18 kg SSP and 4 kg MOP per bigha as the basal dose of fertilizers.
- Transplanting of seedlings of the varieties - Naveen, Abhishek, Luit, Kapili, Dichang and Sahbhagidhan - in the main field for early *ahu* rice crop should be completed by mid-February.
- Clip-off seedling leaf tips before transplanting in order to reduce insect-pest infestation in the main field.
- Spray herbicide Pyrazosulfuron ethyl 10 WP @ 200 g per ha in 500 litres of water at 5-7 days after transplanting of early *ahu* rice to control weeds.

##### **Direct-seeded normal *ahu* rice**

- Field should be ploughed 3 to 4 times and laddered properly to retain water uniformly.
- Phosphatic fertilizer should be applied @ 20 kg/ha at the time of final ploughing.
- Seeds of varieties like Abhishek, Sahbhagidhan, Banglami, Rongadoria, Ahu joha should be sown in lines spaced 20 cm apart (Seed rate - 75 kg/ha).
- Seeds should be treated with Captan or Mancozeb @ 2.5g/kg of seeds.

##### **Transplanted normal *ahu* rice**

- Pre-germinated seeds of varieties like Naveen, Abhishek, Sahbhagidhan, Luit, Lachit, IR 36 should be sown in nursery beds (size, 125 cm x 10 m) spaced 30 cm apart.
- Seed rate for transplanting one ha of main field is 40 kg/ha. Seeds should be treated with Carbendazim 50WP @ 2g/lit of water/kg of seeds. In each seed bed 20-30 kg cow dung/compost, 80 g urea, 80 g SSP and 40 g MOP are to be applied.

##### **Bao rice**

- Area unsuitable for normal rice and having higher land submergence are suitable for growing of *bao* rice.
- Stubbles of the previous crop should be burnt to minimize over wintering stem borer population.

- Adequate ploughing and cross ploughing should be done.
- Seeds of varieties like Varsha dhan, Padmapani, Panindra, Padmanath, Maguri, Kekowa bao, Amona bao, Negheri bao should be sown in lines spaced 20 cm apart (Seed rate - 75 kg/ha).
- Neem coated urea should be applied @ 15 kg N/ha at the time of final ploughing.
- Seeds should be treated with Captan or Mancozeb @ 2.5g/kg of seeds.