

**Agro Advisory Service for Rice**  
**ICAR – National Rice Research Institute, Cuttack - 753006**

**Strategies for First Fortnight of March 2018**

- First top dressing of nitrogen may be done with half of the recommended dose (Urea @ 42 kg for HYVs and 52 kg for hybrids) when crop attains active tillering stage at 30 days after transplanting.
- In areas predominant with sedges and non grassy broad leaf weeds, spray Chlorimuron ethyl + Metsulfuron methyl 20% WP @ 8 g/acre or Bensulfuron methyl 60 DF @ 40 g/acre. Spray in moist field after draining out standing water by mixing the herbicides with 120 liters of water/acre and irrigate field after 2 days of application of herbicides. In case of severe grassy weeds, apply fenoxaprop- p- ethyl @ 24 g a.i./acre at 25 – 30 days after transplanting.
- In SRI Rice cultivation, Cono weeder may be used to pulverize the weed after 20 - 25 days of transplanting.
- Monitoring should continue for Yellow stem borer moth emergence during this fortnight either visually or through pheromone light trap. When the insect incidence crosses the ETL level (ETL: one eggmass or 1-2 moths/m<sup>2</sup> or 4-5 male moths /trap/day or 1-2 dead hearts/m<sup>2</sup>), then go for foliar application of Rynaxypyr @ 60 ml/acre or Triazophos (40EC) @ 250 ml/acre or Chlorpyrifos @ 500 ml/acre. The total spray fluid to be used is 200 liter/acre in hand operated sprayer. ***If you observe only dead heart symptoms, then apply granular insecticide carbofuran (3G) @ 12 kg/acre or Cartap hydrochloride (4G) @ 10 kg/acre or Chlorantraniliprole 0.4 GR @ 4 kg/acre.***
- 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 200 liters of water:

Leaf folder : Triazophos 40EC @ 250 ml/acre  
Thiamethoxam25WG @ 40 g/acre  
Neem oil @ 5ml/liter of water with 2% detergent liquid

BPH/WBPH : Imidacloprid 17.8SL @50 ml/acre or  
Thiamethoxam25WG @ 40 g/acre or  
Ethofenprox10EC @ 200 ml/acre or  
Neem oil @ 5 ml/liter 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).***