

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

Strategies for Second Fortnight of March 2018

- Final top dressing of nitrogen may be done for High Yielding Varieties (HYVs) with remaining 1/4th of the recommended N dose (Urea @ 21 kg/ acre) at 60 days after transplanting (DAT). In case of hybrids, top dressing may be done with remaining 1/4th of the recommended N and K dose (Urea @ 26 kg/ acre and MOP @ 10 kg/ acre) at 60 DAT. If field is affected with BPH, application of Nitrogen may be skipped.
- Manual weeding may be done if affected with weeds. Do not apply herbicides for controlling weeds at this stage.
- Monitoring should continue for Yellow stem borer moth emergence during this fortnight either visually or through pheromone trap. When the insect incidence crosses the ETL level (ETL: one eggmass or 1-2 moths/m² or 4-5 male moths /trap/day or 1-2 dead hearts/ m²), then go for foliar application of Chlorantraniliprole 18.5SC@ 60ml/acre or Triazophos 40 EC @ 250ml/acre or Chlorpyrifos 20 EC @ 500ml/acre. The total spray fluid to be used is 200 liter/acre in hand operated sprayer. ***If you observe dead heart symptoms, then apply granular insecticide carbofuran (3G) @ 12 kg / acre or Cartap hydrochloride (4G) @ 10 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/acre:

Leaf folder	: Triazophos 40EC @ 250ml/acre Thiamethoxam25WG @ 40g/acre Neem oil @ 5ml/liter of water with 2% detergent liquid
BPH/WBPH	: Imidacloprid 17.8SL @ 50ml/acre or Thiamethoxam25WG @ 40g/acre or Ethofenprox10EC @ 200ml/acre or Neem oil @ 5ml/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).

- In case of blast incidence spraying of carbendazim 50 WP @ 2g/liter or Tricyclazole 75 WP @ 0.6 g/liter of water may be done for controlling the disease. Total spray volume required per acre is 200 liter.
- In case of Brown spot incidence in the field, apply mancozeb 3 g/liter or Propconazole @ 1 ml/liter of water using 200 liter of spray solution/acre. Also apply additional potassium @ 6 kg/acre (MOP @ 10 kg/acre).