

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

Strategies for First Fortnight of April 2018

- In case of late planted rice, 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) and remaining K (MOP @ 10 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 affected with BPH, application of Nitrogen may be skipped.
- Monitoring should continue for Yellow stem borer moth emergence during this fortnight as well either visually or through pheromone trap. When the insect incidence crosses the ETL level (ETL: one egg mass 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 18.5 SC @ 60ml / acre or Triazophos 40 EC @ 500ml/acre or Chlorpyrifos 20 EC @ 500ml/acre. The total spray fluid to be used is 200 litre/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.*
- 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 @ 250ml/acre or Thiamethoxam25WG @ 40g/acre or 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/litre of water may be done for controlling the disease.
- In case of Brown spot incidence in the field, apply mancozeb 3g/liter or Propconazole @ 1ml/liter of water using 200 liter of spray solution /acre. Also apply additional potassium @ 6 kg/acre (MOP @ 10 kg/acre).