

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

Strategies for Second Fortnight of September 2019

Upland Rice

■ In upland rice when the population of Gundhi bug exceeds the Economic Threshold Level (ETL) i.e., 2 adults/hill or 5 adults/m², do dusting of Malathion 5% @ 10kg/acre or spray Etofenprox 10 EC @ 200 ml/acre or Chlorpyrifos 20% EC @ 1000ml/acre.

Transplanted Rice

■ In late transplanted rice apply first top dressing of fertilizer at active tillering stage (20-25days after transplanting) with 24 kg of urea + 13.5 kg of MOP per acre.

■ In normal transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage with 12 kg of urea per acre.

■ Place 4 pheromone traps/acre in the field for monitoring of stem borer and whenever the number of male moth/trap reaches 4-5, apply Azadirachtin 0.15% w/w (minimum) neem seed based EC formulation @ 800 ml/acre or apply Chlorantraniliprole 0.4 G @ 4 kg/acre mixing with 4 kg of dry sand or Chlorantraniliprole 18.5% SC 60 ml/acre mixed with 200 litre of water for yellow stem borer.

■ In Gallmidge affected areas apply Thiamethoxam 25% WG @ 40 g/acre or Fipronil 5% SC @ 400 ml/acre or Chlorpyrifos 20 EC @ 500 ml/acre to manage the pest.

■ The present condition is favourable for Brown Plant Hopper (BPH) infestation. If infestation of BPH occur (5-10 hoppers/hill), it is advised to alter the micro-climate of the rice field by alternate wetting and drying technique (water should not stand in the field for long time). If problem still persists, spray Pymetrozine 50% WG @ 120 g/acre or Dinotefuran 20 % SG @ 80 g/acre or Imidacloprid 17.8% SL @ 50 ml/acre or Acephate 75% SP @ 400 g/acre. Use only pesticides recommended for brown plant hopper at recommended dose only.

■ Present condition is highly favourable for bacterial blight/ bacterial leaf streak. In case of incidence of Bacterial blight/bacterial leaf streak, spray with Plantomycin @ 200 g in 200 litres of water per acre or Streptocycline @ 30g + Copper Oxchloride @ 200 g in 200 liters of water per acre.

• In case of incidence of sheath blight on appearance of diseases in 1-2 tiller, spray Tebuconazole 50% + Trifloxystrobin 25% WG @ 0.4 g or Propiconazole 75% @ 1ml per litre of water or Hexaconazole 50% @ 2ml per litre of water. Repeat the spray at 7-10 days interval.

■ In case of Blast incidence spraying of Carbendazim 50 WP @ 2 g/liter or Tricyclazole 75 WP @ 0.6 g/lit of water may be done for controlling the disease.

■ Farmers are advised to use Rice Xpert app (Available in Google play store) regarding entire aspects of rice cultivation