



भा.कृ.अनु.प – राष्ट्रीय चावल अनुसंधान संस्थान
ICAR - National Rice Research Institute
(An ISO 9001: 2015 Certified Institute)
Cuttack – 753 006, Odisha, India



Agro-Advisory Service

Strategies for First Fortnight of April, 2023

- ❖ Continue to maintain three pheromone traps/acre in the rice field for monitoring yellow stem borer and leaf folder. Whenever the number of male moths/trap/day reaches 4 to 5, spray Azadirachtin 0.15% neem seed kernel based EC formulation @ 800 ml/acre **or** broadcast granular insecticide Chlorantraniliprole 0.4% GR @ 4 kg/ acre **or**, Cartap hydrochloride 4G @ 10 kg/acre mixing with sand at 1:1 ratio **or** spray Tetraniliprole 200 g/L SC @ 100-120 ml/acre **or** spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water.
- ❖ At panicle initiation stage of transplanted rice apply 35 kg urea along with 11 MOP kg per acre. In case of wet direct sown rice apply 22 kg urea along with 11 kg of MOP at panicle initiation stage.
- ❖ In case of brown spot incidence in the field, apply Carbendazim 12% + Mancozeb 63% WP @ 500 g per acre in 200 litres of water **or** Propiconazole @ 200 ml per acre in 200 litres of water.
- ❖ Temperature will be above normal and will increase gradually in the first fortnight of April for Odisha. High temperature followed by intermittent thunder shower will favour in build-up Brown Plant hopper infestation. If infestation of BPH exceeds ETL (ETL: 5-10 hoppers/hill), it is advised to alter the micro-climate of the rice plant by alternate wetting and drying technique (there should not be standing water for long time). If problem still persists, spray Azadirachtin 0.15% neem seed kernel formulation @ 800 ml in 200 litre of water for one acre **or** Triflumezopyrim 10% SC 95 ml/acre **or** 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 recommended insecticides for brown plant hopper at proper dose.

- ❖ If infestation of blast disease is noticed, spray Trifloxystrobin 25% + Tebuconazole 50% @ 80 g per acre in 200 litres of water **or** Edifenphos 50 EC @ 200 ml per acre in 200 litres of water **or** Kasugamycin 3 SL @ 500 ml per acre in 200 litres of water.
- ❖ In case of incidence of Bacterial blight apply Plantomycin @ 1 g/litre along with Copper oxychloride @ 1 g/litre of water using 200 litre of solution per acre.
- ❖ If population of Gundhi Bug exceeds ETL (2 bugs/hill), Ethofenoprox 10 EC @ 200 ml/acre should be applied as foliar spray mixed with 200 litres of water **or** Malathion 5D @ 10 kg/acre should be dusted uniformly during morning hours, when there is no or minimum wind.
- ❖ In case of ear cutting caterpillar incidence, spray quinalphos 25 EC @ 400 ml/acre **or** Chlorpyrifos 20 EC @ 500 ml/acre in 200 litres of water. It should be applied in the morning hour to the base of the crop.
- ❖ Initiate summer ploughing in the paddy fields with the availability of soil moisture.
- ❖ Farmers are advised to download and use NRRI developed **riceXpert** mobile App (available in Google Play store) for getting information on all aspects of rice crop.
