



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 Second Fortnight of February 2023

1. Transplanted Summer rice

Nursery

- ❖ If infestation of Thrips is noticed in rice nursery, spray Azadirachtin 0.15% neem seed kernel based EC formulation @ 800 ml/acre **or** Lambda-cyhalothrin 5 % EC @ 200 ml/acre **or** Thiamethoxam 25 % WG @ 40g /acre.
- ❖ If infestation of seedling blight is noticed in rice nursery, spray Carbendazim @ 400 g/acre **or** Propiconazole @ 200g/acre in 200 litre of water.

For crop yet to be transplanted in main field

- ❖ Complete the transplanting of 3-5 week old seedlings in well puddled soil at a spacing of 15 cm x 15 cm with 3-4 seedlings per hill at shallow depth.
- ❖ There is chance of blast incidence in the nursery so, if infestation of blast disease is noticed, spray Carbendazim 50 WP @ 200g/ acre in 200 litres of water **or** Trifloxystrobin 25% + Tebuconazole 50% @ 80 g per acre in 200 litres of water **or** Edifenphos 50 EC @ 200 ml/acre in 200 litres of water.
- ❖ Apply (DAP 44 kg + MOP 22 kg) or (Urea 22 kg + SSP 125 kg + MOP 22 kg) as basal dose during final puddling.

For crop just transplanted

- ❖ Farmers those have already completed transplanting, apply granular herbicide Bensulfuron-methyl + Pretilachlor @ 4kg/ acre at 5-8 days after transplanting. Mix the granular herbicide with 4 kg of sand/ acre and broadcast it uniformly in the field on saturated soil **or** spray Pyrazosulfuron-ethyl 10 WP @ 80 g/acre in 140 litres of water at 3-5 days after transplanting **or** spray Bispyribac sodium @ 120 ml/acre at 10-15 DAT or 2-3 leaf stage of weeds in 140 litres of water.
- ❖ Put 3 pheromone traps with 5mg lure/acre in the rice field for monitoring of the yellow stem borer and leaf folder. Whenever the number of male moths/trapreaches 4 or 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 Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litre of water.

- ❖ If infestation of Bakanae disease is noticed, spray, Carbendazim 50WP @ 200 g per acre in 200 litre of water and repeat the spray at 7-10 days' interval.

Already established transplanted rice crop

- ❖ Apply urea @ 35 kg/acre as top dressing at 20-25 DAT (tillering stage)
- ❖ If pre-emergence/early-post emergence herbicide was not applied to control weeds than apply post-emergence herbicide Penoxsulum 1.02% + cyhalofop-butyl 5.1% @ 800ml/acre at 15-20 DAT for broad spectrum weed control **or** manual weeding at 20-25 DAT.
- ❖ Monitoring should continue for stem borer. Whenever the number of male moths/trap reaches 4 or 5 apply any one of the insecticides. Azadiractin 0.15% neem seed kernel based EC formulation@ 800 ml/acre **or** Chlorantraniliprole 4% GR @ 4 kg/acre may be applied mixing with sand at 1:1 ratio **or** spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water **or** Cartap hydrochloride 4 G @ 10 kg/acre.

2. Wet direct seeded summer rice

- ❖ If pre-emergence herbicides were not applied, to control weeds apply early post-emergent ready mix Bensulfuron- methyl+ Pretilachlor granular herbicide @ 4kg/acre mixed with 4 kg of sand at 5-10 DAS **or** spray Bispyribac sodium @ 120 ml/acre at 10-12 DAS or 2-3 leaf stage of weeds or, Penoxsulum 1.02% + Cyhalofop-butyl 5.1% @ 800ml/acre at 15-20 DAS in 140 litres of water.
- ❖ Top dress 24 kg of urea per acre after weeding at tillering stage (20-25 DAS).
- ❖ Monitoring should continue for stem borer. Whenever the number of male moths/trap reaches 4 or 5 spray Azadiractin 0.15% neem seed kernel based EC formulation@ 800 ml/acre **or** Chlorantraniliprole 4% GR @ 4 kg/acre may be applied mixing with sand at 1:1 ratio **or** spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water.
- ❖ In case of blast disease incidence, spray Carbendazim 50 WP @ 200g/ acre in 200 litres of water **or** Trifloxystrobin 25% + Tebuconazole 50% @ 80 g per acre in 200 litres of water **or** Edifenphos 50 EC @ 200 ml/acre in 200 litres of water.
- ❖ 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 cultivation.