

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

Strategies for First Fortnight of February 2020

Rice nursery

- If infestation of Thrips is noticed in rice nursery, spray NSKE (Azadirachtin) @ 800 ml/acre or Lambda-Cyhalothrin 5 % EC @ 100 ml/acre or Thiamethoxam 25 % WG @40g /acre.
- If infestation of seedling blight is noticed, apply Carbendazim @ 2 g per liter of water or Propiconazole @ 1 ml per liter of water.

For Crop yet to be transplanted in main field

- Prepare the main field by puddling second time and level the field properly to facilitate uniform crop stand.
- In Bacterial blight endemic areas, dip the seedling roots in 0.1% Plantomycin solution before transplanting for 30 minutes.
- Plant the rice seedlings erect and at shallow depth at a spacing of 15 x15 cm, use 2-3 seedlings per hill.
- For transplanted rice recommended fertilizer dose for HYV is 40-20-20 Kg N-P₂O₅-K₂O/acre and apply (Urea 4.5 Kg + DAP 44 Kg + MOP 33 Kg) or (Urea 22 Kg + SSP 125 Kg + MOP 33 Kg) as basal dose during final puddling. For hybrids, the fertilizer doses is 48-24-24 Kg N-P₂O₅-K₂O/acre and apply (Urea 5.5 Kg + DAP 52 Kg + MOP 30 Kg) or (Urea 35 Kg + SSP 150 Kg + MOP 30Kg) as basal dose during final puddling.

For Crop just transplanted

- Apply Bensulfuron methyl + pretilachlor (Londax power/ Erase Strong) @ 4kg/ acre at 5-10 days after transplanting. Mix the granular herbicide with 4 kg of sand/ acre and broadcast it uniformly in the field or spray Pyrazosulfuron ethyl 10 WP @ 80 g/acre at 3-5 days after transplanting.
- Put 3 nos. of pheromone traps/acre in the rice field for monitoring of the yellow 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 liters of water or Cartap hydrochloride 4 G @ 10 kg/acre.

For Crop at 15-20 days after transplanting

- At active tillering stage (2-3 weeks after transplanting), apply 44 kg of urea/acre as first top dressing for high yielding varieties and hybrids.
- 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 liters of water or Cartap hydrochloride 4 G @ 10 kg/acre.

NOTE

- ❖ **Farmers are advised to spray the pesticide only on calm sunny days with the addition of sticker like Teepol @ 1ml per liter.**
- ❖ **Considering the forecast of rain, blast disease may appear, hence apply carbendazim 200 g / acre or edifenphos 50 EC @ 200 ml/acre in 200 liters of water.**