

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

Strategies for First Fortnight of February 2018

Crop to be planted in Main field

- Prepare the main field by puddling second time and level the field properly to facilitate uniform crop stand and availability of water.
- Fertilizer dose for high yielding varieties is 40:20:20 kg N:P₂O₅:K₂O/ acre and apply 1/4th of N, full dose of P₂O₅ and 2/3rd of K₂O as basal dose. Fertilizer dose for hybrids is 48:24:24 kg N:P₂O₅:K₂O/ acre and apply 1/4th of N, full dose of P₂O₅ and 3/4th of K₂O as basal dose.
- In Bacterial leaf blight endemic areas, dip the seedling roots in 0.1 % Plantomycin solution before transplanting for 30 minutes.
- Transplant 25-30 day's old seedlings @ 2-3 seedlings/hill for HYVs and 1-2 seedlings/hill for hybrids at 15 x 15 cm spacing.

Crop just transplanted

- Apply Bensulfuron methyl 0.6% + Pretilachlor 6.0% GR @ 4 kg/acre within 8 days of transplanting if mixed population of weeds (grasses, sedges and broadleaved weeds) are present. Mix the granular herbicide with 12 kg sand/acre and broadcast it uniformly in the field.
- Monitor for Yellow stem borer moth emergence either visually or through pheromone trap. When the insect incidence crosses the ETL level (ETL: one egg mass or 1-2 moths/sq mt or 4-5 male moths /trap/day), then apply granular insecticide carbofuran (3%) @ 12 kg / acre or Cartap hydrochloride (4%) @ 10 kg / acre.

Crop at 15 - 20 DAT

- First top dressing of nitrogen may be done with half of the recommended dose (Urea @ 42 kg for HYVs and 52 kg for hybrids) when crop attains active tillering stage at two weeks after transplanting.
- In areas predominant with sedges and non grassy broad leaf weeds, spray Chlorimuron ethyl + Metsulfuron methyl 20% WP @ 8 g/acre or Bensulfuron methyl 60 DF @ 40 g/acre. Spray in moist field after draining out standing water by mixing the herbicides with 200 liters of water/acre and irrigate field after 2 days of application of herbicides.
- In SRI Rice cultivation, Cono weeder may be used to pulverize the weed after 20 - 25 days after transplanting.
- 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/sq mt. or 4-5 male moths /trap/day), then go for foliar application of Rynaxypyr @ 60 ml / acre or Triazophos (40%) @ 500 ml/acre or Chlorpyrifos @ 500 ml/acre. The total spray fluid to be used is 200 litre/acre in hand operated sprayer.