

ICAR - National Rice Research Institute, Cuttack 753 006

Agro Advisory Service

Please follow COVID-19 guide lines as per the Ministry of Health and Family Welfare for doing any agricultural operations

Strategies for First Fortnight of March 2021

(1) Transplanted Summer Rice

For Crop just transplanted

- To control weeds in transplanted summer rice, apply ready mix herbicide bensulfuron-methyl + pretilachlor (Londax power/ Erase Strong) @ 4kg/ acre at 5-8 days after transplanting. Mix the herbicide with 4 kg of sand/ acre and broadcast it uniformly in the field **or**, spray pyrazosulfuron-ethyl 10 WP (Sathi) @ 80 g/acre in 140 litres of water at 3-5 days after transplanting **or** spray bispyribac-sodium (Nominogold) @ 120 ml/acre at 10-15 DAT **or**, at 2-3 leaf stage of weeds in 140 litres of water.
- Place 3 pheromone traps /acre in the rice field for monitoring of the yellow stem borer and leaf folder. Whenever the number of male moths/trap/day reaches 4 to 5, spray azadiractin 0.15% neem seed kernel based EC formulation @ 800 ml/acre **or**, broadcast granular insecticide chlorantraniliprole 4% GR @ 4kg/ acre **or**, cartap hydrochloride 4G @ 10kg/acre mixing with sand at 1:1 ratio **or**, spray chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water.
- If infestation of bakanae disease is noticed, spray, carbendazim 50WP @ 1g per litre of water and repeat the spray at 7-10 days' interval.

Transplanted rice crop at 15-30 DAT

- 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% (Vivaya) @ 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.
- If infestation of blast disease is noticed, spray carbendazim 50 WP @ 2g/litre of water **or** trifloxystrobin 25% + tebuconazole 50% @ 0.4 g per litre of water **or**, edifenphos 50 EC @ 200 ml/acre in 200 litres of water.

(2) Wet Direct Sown Rice

- If pre-emergence herbicides were not applied, to control weeds spray bispyribac-sodium (Nominogold) @ 120 ml/acre at 10-12 DAS **or**, 2-3 leaf stage of weeds **or**, penoxsulum 1.02% + cyhalofop-butyl 5.1% (Vivaya) @ 800ml/acre at 15-20 DAS in 140 litres of water.
- Apply first top dressing of urea @ 22kg per acre at tillering stage (20-25 DAS) and in early sown crop apply second top dressing of urea @ 22kg/acre at 35-40 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.
- If infestation of blast disease is noticed, spray carbendazim 50 WP @ 2g/litre of water **or**, trifloxystrobin 25% + tebuconazole 50% @ 0.4 g per litre of water **or**, edifenphos 50 EC @ 200 ml/acre in 200 litres of water.