

Agro Advisory Service for Rice
ICAR - National Rice Research Institute, Cuttack 753 006

Strategies for First Fortnight of August 2015

Direct Seeded Rice

- In rainfed shallow lowland areas where direct seeding has been done and early post emergence herbicides have not been applied, beushening may be done in a broadcasted crop and 2, 4-D Sodium salt 80 WP @ 1.25 kg/ha may be applied for controlling non grassy and broad leaf weeds in line sown crops. One third of nitrogen (35 kg urea/ha) may be applied as 1st top dressing. Apply 20 kg each P₂O₅ and K₂O/ ha if P and K were not applied as basal.
- In rainfed uplands, farmers are advised to spray Bispyribac Sodium 10 SC @ 300 ml/ hectare 8-10 days after sowing (at 2-3 leaf stage of weeds) to suppress the early emergent grassy weeds and sedges. Spray in 350 liters of water. Otherwise second and final manual weeding may be done and apply one third of nitrogen (29 kg urea/ha) as 2nd top dressing.

Transplanted Rice

- In case of Thrips infestation in rice nursery, spraying of with 3 ml Thiomethoxam 25 WG/10 litre of water may be done for controlling the pest.
- Transplanting should be completed during this fortnight. One third of the Nitrogen (35kg Urea/ha) and full dose of P and K (110 kg DAP and 85 kg MOP) should be applied as basal. Care should be taken while applying the fertilizer, having a thin film of water on the field
- After uprooting of 25 - 30 days old seedling, root dipping should be done with chloropyriphos 20 EC solution (1 ml per liter of water) as a prophylactic measure for insect pest attack.
- Transplanting should be done @ 2 - 3 seedlings per hill at a spacing of 20 X 15 cm and a thin layer of water (1 - 2 cm) should be maintained in the main field up to 10 days after transplanting. In case of older seedlings, 4 – 5 seedlings/hill may be planted.
- In rainfed transplanted rice, apply Bensulfuron methyl + Pretilachlor(Ready-mix) granule (Londax Power /Erase Strong @ 10 kg/ hectare) at 8-10 days after planting (at 2-3 leaf stage of weeds) to suppress the early emergent broad spectrum of weeds either in saturated soil or with 2-3 cm standing water after mixing with sand @ 30 kg/ha.
- In irrigated or favourable transplanted field with no standing water during early crop growth stage and mixed population of weeds are emerged, spray Azimsulfuron 50 DF @ 70 g/ hectare at 15 days after sowing (at 3-4 leaf stage of weeds). Spray it by mixing with 350 liters of water. Add surfactant (625 ml/ha) available with chemical for increasing the efficacy of the herbicide.
- Wherever already transplanted, 8 pheromon traps/ha may be placed in the field for monitoring of the stem borer and whenever the number of male moths /trap reaches 4 or 5, Rynaxypar 0.4G @ 10 kg/ha may be applied mixing with sand at 1:1 ratio.
- First top dressing with 1/3rd of nitrogen/ha (60 kg urea for HYVs and 70 kg for hybrids) may be done after 20 - 25 days of transplanting of rice.

Agro Advisory Service for Rice [For Assam]

Strategies for the first fortnight of August 2015

1. Direct-seeded/Transplanted *ahu* rice:

- During rainless days harvest the late-planted *ahu* crop when 80% of the grains in the panicle are mature.
- Sundry the harvested grains to bring the moisture level at 12 to 14 %.

2. Sali/Winter rice/*kharif* rice – Nursery:

- Spray *sali* paddy nursery with chlorpyrifos 20 EC @ 2 ml/l or apply carbofuran 3G @ 3 g/sqm in nursery beds.
- In flood affected areas, nurseries of early/mid-early duration varieties, *viz.*, Dichang, Luit & Abhishek, Naveen, Sahbhagi dhan should be raised in uplands for transplanting after recession of flood water. Seed rate for nursery sowing for transplanting in one ha of field is 35 to 40 kg.

3. Sali/Winter rice/*kharif* rice – Main field:

- Clip-off seedling leaf tips before transplanting in order to reduce insect-pest infestation in the main field.
- Incorporate FYM @ 10 t/ha in soil during field preparation.
- Apply 6 kg urea, 17 kg SSP and 4.5 kg MOP per bigha at the time of final puddling of the main field.
- Transplant 20-25 days old seedlings of medium long duration *sali* rice varieties, *viz.*, Chandrama, CR Dhan 601 with a spacing of 20 cm between rows and 15 cm within rows.
- Undertake gap filling with aged rice seedlings in order to have plant population @ 33 hills per sq. m.
- Spray herbicide Pyrazosulfuron ethyl 10 WP @ 200 g per ha in 500 litres of water at 5-7 days after transplanting.
- Spray the herbicide 'Bispyrivac Sodium 10%' (Nomineegold) @ 40 gram per bigha by dissolving in 70 litres of water at 20 DAT.
- Top dress urea @ 3 kg per bigha at 30 days after transplanting.