

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

Strategies for Second Fortnight of June 2017

Direct Seeded Rice

- Low lying water logged areas, where direct seeding is practiced farmers should complete the sowing operations if not done. Seeds should be covered by laddering after sowing. If seed drills are available, line sowing is preferred with lesser seed rate i.e. 16 kg/acre.
- In semi deep / deep water areas where direct seeding has been done and pre-emergence herbicides have not been applied, early post emergence herbicides i.e. Azimsulfuron 50% DF@ 28 g or Bispyribac Sodium 10% SC @ 120 ml/acre may be sprayed to control the weeds after 2 week of sowing / 2 – 3 leaf stage of the weeds and 1st top dressing of nitrogen may be done with 17.6 kg urea/acre.
- Rice varieties viz., Swarna, Pooja, CR Dhan 300, Sumit, Pratikhya, Ranidhan and CR Dhan 407 etc. may be selected for rainfed shallow lowland areas but Swarna sub 1, Gayatri, Chakaakhi and Rita etc may be selected for rainfed flood prone low lands.
- In direct seeded shallow lowlands areas, well decomposed Farm yard manure may be applied @ 2t/acre during the final land preparation. Full dose of Phosphorus i.e. 32 kg DAP/acre and Potash i.e. 20 kg MOP/acre should be applied at the time of sowing.
- Sowing with good quality seeds of above varieties @ 12 - 16 kg/acre should be completed in direct seeded shallow lowlands areas where rainfall is low using seed drill.
- Rice varieties viz., Sahbhagidhan, Satyabhama, Annada, Khandagiri, Udayagiri, Sidhanta, Vandana and Anjali may be selected for upland areas and direct seeding may be done with a spacing of 20 X 10 cm or using seed drill.
- In Upland areas, well decomposed Farm yard manure may be applied @ 0.8t/acre during the final land preparation. Full dose of Phosphorus i.e. 16 kg SSP and 2/3rd of Potash i.e. 9.0 kg MOP/acre should be applied at the time of sowing.
- Seeds should be treated with Carbendazim 50 WP @ 2 g/kg of seed before sowing in the field.
- Spraying of herbicides i.e. Pendimethalin 50% EC @ 0.8 liter/acre or Pretilachlor 50% EC @ 0.64 liter/acre without safener or 0.52 liter/acre with safener may be done in a moist soil condition within 4- 5 days of sowing after mixing in 200 liters of water for controlling grassy weeds and sedges.

Transplanted Rice

- Rice varieties viz., Naveen, Lalat, CR Dhan 305, CR Dhan 304, CR Dhan 307, and Ajay (hybrids), Rajlaxmi (hybrids) may be selected for irrigated medium land areas and rice varieties viz., Swarna, Pooja, CR Dhan 300, CR Dhan 701 (hybrids) etc. may be selected for irrigated/rainfed lowland areas.
- Nursery bed preparation for dry nursery and sowing may be continued with monsoon showers in rainfed transplanted rice areas.
- Favorable lowland / irrigated areas farmers should go for nursery sowing close to source of water following the community nursery approach. Wet bed nursery should be prepared and sown with pre germinated rice seeds in irrigated areas.
- About 320 m² area nursery beds should be sown with 14 - 18 kg of seeds by puddling and leveling the soil and 4 kg each of nitrogen, P₂O₅ and K₂O / acre of nursery bed should be applied at the time of nursery sowing.
- Spraying of herbicide i.e. Pretilachlor 50 EC @ 52 ml or Pyrazosulfuron ethyl 10% DF @ 6.4 g per 320 m² nursery beds should be done to control the weeds.