Agro Advisory Service for Rice
ICAR – National Rice Research Institute, Cuttack - 753006
Strategies for Second Fortnight of June 2018

Dry Direct Seeded Rice

- Complete the showing of dry direct seeded rice in low lying water logged areas, where direct seeding is practiced. Seeds should be sown behind the country plough followed by laddering or by using seed drill with 16 kg of seed per acre.

- In semi deep / deep water areas where direct seeding has been done and pre - emergent herbicides have not been applied, early post emergence herbicides i.e. Azimsulfuron 50% DF at 28 g/acre or Bispyribac Sodium 10% SC at 120 ml/acre may be sprayed at 15 days after sowing or at 2 – 3 leaf stage of the weeds to control weeds as an alternative to manual weeding.

- After 3-5 days of early post emergent herbicide application go for 1st top dressing of nitrogen at 17.6 kg urea/acre in direct seeded rice in semi deep and deep water.

- Rice varieties viz., Gayatri, Sarala, Upahar, Varshadhan, Durga and Chakaakhi may be selected for intermediate /semi-deep water areas; Jalamani, Jayantidhan, CR Dhan 500, CR Dhan 505 etc for deep water areas and sowing with good quality seeds of above varieties at 30-35 kg/ acre should be completed.

- Rice varieties viz., Swarna, Pooja, CR Dhan 300, Sumit, Pratikhya, Ranidhan, and CR Dhan 407 etc may be selected for rain fed shallow lowland areas, but, Swarna sub-1 and Rita may be selected for rainfed flood prone low lands. Sowing with good quality seeds of above varieties at 25-30 kg /acre should be completed in direct seeded areas.

- ●Rice varieties viz. CR Dhan 200, CR Dhan 203, CR Dhan 206, CR Dhan 207 and CR Dhan 209 may be selected for the areas with less irrigation facility.

- Rice varieties viz., Sahbhagidhan, Satyabhama, Ankit, Annada, Khandagiri, Udayagiri, Sidhanta, Vandana and Anjali may be selected for upland areas and collected from Research Institutes, Universities or Line departments.

- Incorporate well decomposed Farm Yard Manure or cow-dung at 20 quintals/acre during the final land preparation

- At the time of final land preparation apply full dose of Phosphorus @ 12 kg /acre (preferably 75 kg SSP or 27 kg DAP/ acre) and Potash 12 kg/ acre (MOP 20 kg /acre) in dry direct seeded shallow lowland rice

- Sowing with good quality seeds of above varieties @ 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 dry direct seeding may be done behind the plough or with a spacing of 20 X 10 cm by using seed drill.

- In Upland rice well decomposed Farm yard manure may be applied @ 0.8t/acre during the final land preparation. Full dose of Phosphorus (50kg SSP or 18 kg DAP) and 2/3rd of Potash (9.0 kg MOP/acre) should be applied at the time of sowing.

- Seeds should be treated with Carbendazim 25 WP at 1.5 g per kg of rice seed

- Spraying of herbicides i.e. Pendimethalin 50% EC @ 800 ml/acre or Pretilachlor 50% EC @ 600 ml liter/acre without safener or 500 ml/acre with safener may be done in a moist soil condition within 4- 5 days of sowing in 200 liters of water for controlling grassy weeds and sedges.

Transplanted Rice

- Rice varieties viz., Naveen, Lalat, CR Dhan 305, CR Dhan 303, CR Dhan 304, CR Dhan 307 (Maudamani), CRDhan 310, Ajay (hybrid) and Rajlaxmi (hybrid) may be selected for irrigated medium land areas and rice varieties *viz*., Swarna, Pooja, CR Dhan 300, CR Dhan 701 (hybrid), *Pratikhya, Ranidhan etc* may be selected for irrigated low land areas and collected from Research Institutes, Universities, Line departments and reputed private companies.

- 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 irrigation water following the community nursery approach. Wet bed nursery should be prepared and sown with pre germinated rice seeds in irrigated areas.

- To transplant one acre area about 320 m^2 area nursery beds is required. Prepared wet nursery raised beds of 4-5 cm high, 1-1.5 m wide and of convenient length with good drainage facilities. Use 14 - 18 kg seeds /acre for nursery sowing. At the time of final land preparation of nursery bed, incorporate 4 kg each of nitrogen, phosphorus and potash in 320 m^2 area (Urea 9kg, 25kg SSP and 6.7 kg MOP or 9kg DAP, 6.7kg MOP and 5kg urea).