

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

Strategies for First Fortnight of June 2018

Summer Rice

- Complete the harvesting of mature summer rice crop standing in the field by using combine harvester or by manually. Complete the threshing of manually harvested crop by using thresher. Hand operated mechanical winnower should be used for winnowing purpose. After threshing and winnowing the rice grains to be uniformly sundried to bring down the moisture level up to 12-14%. Store the sundried rice grains in storage bin or polythene line gunny bags to prevent the infestation of storage grain pests.

Dry Direct Seeded Rice

- In intermediate/semi-deep and deep water rice ecology where direct seeding is practiced, complete the final land preparation by using cultivator 2 - 3 times to get a fine tilth followed by proper land levelling. In light soil tractor drawn rotavator may be used for obtaining fine tilth to go for dry seeding behind the country plough or using seed drill.
- Land preparation should be completed in rainfed shallow lowland where direct seeding is to be done.
- Incorporate well decomposed Farm Yard Manure or cow-dung at 8 quintals/acre during the final land preparation
- Apply full dose of Phosphorus at 12 kg acre⁻¹ (preferably 75 kg SSP or 27 kg DAP per acre) in shallow lowland areas where as Phosphorus at 8 kg acre⁻¹ (preferably 50 kg SSP or 18 kg DAP per acre) in semi deep and deep water dry direct sown rice at the time of final land preparation.
- Rice varieties viz., Gayatri, Sarala, Upahar, Varshadhan, and Durga 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⁻¹ should be completed.
- 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. Sowing with good quality seeds of above varieties at 25-30 kg acre⁻¹ should be completed in direct seeded areas.
- Seeds should be treated with Carbendazim 25 WP at 1.5 g per kg of rice seed and sown with a spacing of 20 X 15 cm using seed drill or line sowing behind the plough.

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

Transplanted Rice

- Nursery bed preparation for dry nursery may be done with pre-monsoon showers.
- Rice varieties viz., Naveen, Lalat, CR Dhan 305, CR Dhan 304, CR Dhan 307 (Maudamani) and Ajay (hybrid), Rajlaxmi (hybrid) may be selected for irrigated medium land areas and rice varieties viz., Swarna, Pooja, CR Dhan 300, CR Dhan 701 (hybrid) etc. may be selected for irrigated low land areas and collected from Research Institutes, Universities, Line departments and reputed private companies.
- With the onset of pre-monsoon showers complete the sowing of Dhaincha seeds at 8-10 kg acre⁻¹ in transplanted rice field for in-situ green manuring.