

Agro Advisory Service for Rice

ICAR – National Rice Research Institute, Cuttack - 753006

Strategies for Second Fortnight of December 2018

- After threshing, paddy grains need to be sun-dried to 14% moisture for consumption purpose and for seed purpose it should be dried to 12% moisture for better self-life. For safe storage of paddy, use Super Grain Bag which are helpful for retaining the quality, texture, colors, aroma, fragrance and taste of the commodities for longer period of time.
- Arrange good quality seeds of high yielding varieties like CR Dhan 303, CR Dhan 304, CR Dhan 601, Lalat, Improved Lalat, Naveen, Bina Dhan 11, CR Dhan 310, CR Dhan 203, CR Dhan 202, CR Dhan 205, CR Dhan 206, MTU 1001, MTU 1010, Satabdi, Luna Sankhi (for coastal saline areas), and hybrids like Ajay and Rajalaxmi for cultivation of summer rice. For wet direct seeded rice use varieties like Naveen, Satabdi, Improved Lalat and CR Dhan 203.
- Prepare the wet nursery flat seed beds of 120 cm wide and of convenient length with 30 cm gap in between two beds. About 240 to 320 m² nursery areas are required for transplanting one-acre area in main field.
- For mechanical transplanting of rice, prepare mat type nursery 2 weeks before transplanting in main field.
- To hasten early growth in cold weather, apply 2 baskets of FYM per 40 sq m of nursery area along with application of N, P₂O₅, K₂O at 10:15:20 g/m².
- Use pre-germinated seeds for sowing of nursery (14 to 16 kg for HYV and 5 to 6 kg for hybrids)
- Seed treatment should be done with Carbendazim 50 WP at 1.5 g/kg of seed for wet treatment and 2 g/kg of seed for dry treatment.
- To protect the rice nursery from cold injury, apply a thin layer of well decomposed FYM after sowing of seeds in wet bed to keep the bed relatively warm. Use deep bore well water for irrigation at early morning to maintain the soil temperature favorable for growth. In severe cold affected areas use polythene cover at night time.
- Irrigation water should be applied in furrows to maintain saturated condition in the surface soil of nursery bed. Standing water to a depth of 2-3 cm should be maintained at least for 2-3 days before uprooting of seedlings.
- To control weeds in nursery, apply pyrazosulfuron ethyl 10%WP @ 80g/acre at 5-7 days after sowing (DAS).