

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

Please follow Covid-19 guide lines as per the Ministry of Health and Family Welfare for doing any agricultural operations

Strategies for First Fortnight of December 2020

- Harvest the crop when 80-85% of the grains are matured either manually by sickle or by using combine harvester or reaper. Paddy grains need to be sun-dried to 14% moisture content for consumption purpose and for seed purpose it should be dried to 12% moisture for better shelf-life. Pack each variety separately without mixing for better price of the produce.
- Farmers who are keeping their own seed are advised to segregate the false smut infected plants separately while harvesting so that there should not be any infected panicle in crop supposed to be kept for seed purpose.
- For safe storage of paddy/rice, use 'Super Grain Bag' which is helpful for retaining the quality, texture, colour, aroma and taste of the commodities for longer period of time. Or, store the harvested paddy in a safer place (properly bagged and stacked with suitable cover) to avoid damage due to untimely rain.
- Soon after noticing the infestation of the stored grain, take up fumigation by using Aluminium phosphide tablets @ 3 tablets / ton grain (Do not use if grain is stored in the dwelling houses) in fairly air tight containers or by covering with thick tarpaulin leaving no gaps. The tablets should be wrapped in cotton pouches before placing them in the stacks, which helps to discard the remnants after completing the fumigation. All the corners of plastic cover should be plastered with 6-inch-thick layer of mud/ sand and snake/ adhesive tapes to prevent leakage of gas. Minimum exposure period is for about 7-10 days.
- If infestation of **Ear cutting caterpillar** is noticed: Use Quinolphos 25EC @ 400 ml/acre or Chlorpyrifos 20EC @ 500ml/ acre and it should be applied in the morning hours at the base of the crop.
- If **Rodent** problem is noticed: Locate the rodent burrow in the crop field and surrounding areas. Place Aluminium phosphide 6% tablet @ One tablet (12 gm) per burrow and seal the burrow with mud which will kill the rodents.
- Crops like potato, sunflower, groundnut, *rabi* maize, green-gram etc. can be taken with land preparation after harvesting of rice crop in irrigated medium lands.
- In rainfed shallow lowlands, where irrigation facilities are not available, crops like lathyrus, lentil, green gram etc. can be raised as paira / utera cropping by sowing them on standing crop of rice after draining excess water from the field or under saturated soil moisture condition.
- Farmers interested to grow dry/summer season rice, should procure/arrange good quality seeds of varieties CR Dhan 601, IR 64, Chandan, Lalat, Improved Lalat, Naveen, CR Dhan 311, Khandagiri, Bina Dhan 11, CR Dhan 205, CR Dhan 206, MTU 1010, Luna Sankhi (for coastal saline areas) etc.
- Nursery preparation for dry /summer season rice should be started.