

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

Precautions for Cyclone 'Amphan' during 18-20 May, 2020:

- Wherever, drainage facility exists, rice field has to be drained properly for easy harvesting of left over rice crop and to facilitate soil moisture condition.
- Complete the harvesting of left over matured rice crop as early as possible. After threshing, the grains should be sun dried to bring down the moisture condition to 14% for safe storage.
- If stored grain is affected by rain, they should be taken out and dried to safe storage moisture.
- To protect the stored grains from damage due to storage insect pest, take up fumigation by using Aluminium phosphide tablets @ 3 tablets / ton of grains (total 9 gm of tablets) in fairly air tight containers. Minimum exposure period is for about 7-10 days. Fumigation should not be done in dwelling houses.

Strategies for Second Fortnight of May 2020:

- Harvest the rice crop at physiological maturity (when 80 % grains of a panicle get matured) to minimize loss due to shattering of grains.
- After threshing and cleaning, moisture content of the rice grain should be brought down to 14% before storage by drying under sun for 2 days. For seed purpose the grain should be dried to 12% moisture.
- Land preparation should be done in rain fed lowland areas, where direct seeded rice is to be grown.
- Land preparation for transplanted rice may be initiated by utilizing the available soil moisture and may be completed for raising dry nursery by utilizing pre-monsoon showers.
- Sowing of dhaincha seeds @ 12 kg/acre may be completed in shallow lowland where transplanting of rice has to be done in first fortnight of July.
- Good quality seeds of rice varieties like Varshadhan, Durga, CR Dhan 501, Sarala and Gayatri may be selected for intermediate deep water, CR Dhan 500, CR Dhan 502 (Jayanti Dhan), CR Dhan 503 (Jalamani), CR Dhan 505, CR Dhan 507 (Prasanta) for deep water areas may be arranged from reliable sources like Research institutes, Universities, KVK, Block Offices and other reputed farms.
- For upland direct seeded rice, arrange good quality seeds of varieties like CR Dhan 100 (Satyabhama), CR Dhan 101 (Ankit), Sahbhagidhan, Phalguni, Vandana from reliable sources.
- For shallow lowland transplanted rice, arrange good quality seed of varieties like CR Dhan 307(Maudamani), CR Dhan 303, CR Dhan 304, MTU 1001, MTU 1010, Naveen, CR Dhan 310, DRR 44, Improved Lalat, CR Dhan 301 (Hue), CR Dhan 800, CR Dhan 404, Swarna, Pooja, Swarna *Sub1* and BPT 5204 may be arranged from reliable source like Research institutes, Universities, KVKs, Block Offices and other reputed farms.
- For coastal saline region farmers are advised to arrange salt tolerant varieties like CR Dhan- 405 (Luna Sankhi), CR Dhan 403 (Luna Suvarna) and Lunishree from reliable sources.
- Farmers interested to grow hybrids in irrigated medium and shallow lowland are advised to procure good quality TL seeds of hybrids like Ajay, Rajalaxmi, CR Dhan 701, KRH-2 and PHB 71 from reputed seed companies.

- Farmers interested for aromatic rice are advised to procure good quality seeds of varieties like Geetanjali, CR Sugandh Dhan 907, CR Sugandh Dhan 908 and CR Sugandh Dhan 910 from reputed seed companies.
- Soon after noticing the infestation of the stored grain pests, take up fumigation by using Aluminium phosphide (Do not use in dwelling houses) tablets @ of 3 tablets / ton grain (total 9 gm of tablets) in fairly air tight containers or by covering with thick tarpaulin leaving no gaps.
- Further, 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 snake/ adhesive tapes to prevent leakage of gas. Minimum exposure period is for about 7-10 day.