

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 May 2021

- High temperature followed by intermittent thunder shower will favour in build-up BPH infestation. If infestation of Brown Plant Hopper exceeds ETL (ETL: 5-10 hoppers/hill), it is advised to alter the micro-climate of the rice plant by alternate wetting and drying technique (there should not be standing water for long time). If problem still persists, spray azadirachtin 0.15% neem seed kernel formulation @ 800 ml in 200 litre of water for one acre **or**, triflumezopyrim 10% SC 95 g/acre **or**, pymetrozine 50% WG @ 120 g/acre **or**, dinotefuran 20% SG @ 80 g/acre **or**, imidacloprid 17.8% SL @ 50 ml/acre **or**, acephate 75% SP @ 400 g/acre. Use only recommended insecticides for brown plant hopper at proper dose.
- If population of Gundhi Bug exceeds ETL (2 bugs/hill), ethofenprox 10EC @ 200 ml/acre should be applied as foliar spray mixed with 200 litres of water **or**, malathion 5D @ 10 kg/acre should be dusted uniformly during morning hours, when there is no or minimum wind.
- In case of ear cutting caterpillar incidence, spray quinalphos 25EC @ 400 ml/acre **or**, chlorpyrifos 20EC @ 500ml/acre in 200 litres of water. It should be applied in the morning hour to the base of the crop.
- Have a vigil on neck blast incidence, if incidence is observed apply azoxystrobin 25SC @ 200 ml/acre or carbendazim 50 WP @ 400g/200 litres of water/acre **or**, trifloxystrobin 25% + tebuconazole 50% @ 80 g per 200 litres of water/acre **or**, *pseudomonas fluorescens* @ 5 g/liter of water.
- For seed crop, roughing of admixture should be done at flowering stage.
- Harvest the rice crop at physiological maturity (80% grains matured of a panicle) to minimize loss due to shattering of grains.
- Moisture content of the rice grain should be brought down to 14% before storage by drying under sun for 1-2 days.
- Summer ploughing should be done in rainfed lowland areas, where direct seeded rice is to be grown.
- 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), CR Dhan 102, Sahbhagidhan, Phalguni, Vandana, Anjali, Khandagiri 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, CR dhan 312, CR Dhan 314, 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 Dhan405 (Luna Sankhi), CR Dhan 403 (Luna Suvarna), DRR 39, 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
- For flood prone shallow lowlands arrange flash flood tolerant varieties like Swarna Sub-1, Ranjit Sub-1, Bhahadur Sub-1, Binadhan-11, and Samba mahasuri Sub-1. For semi-deep water areas collect CR 1009 sub-1 from reliable source.
- For drought prone upland/ shallow lowlands arrange drought tolerant varieties like Sahabhagidhan, DRR 42, DRR 44, BRR1 dhan 71, SwarnaSreya from reliable source.
- For green manuring in transplanted *khari*rice, arrange dhaincha seeds from reliable source/ organisation.