

# ICAR - National Rice Research Institute, Cuttack - 753006

## Agro Advisory Service for Rice

### Strategies for First Fortnight of May 2020

Untimely rain and thunderstorm will invite different complications in rice production in Dry Season. Farmers are advised to take following measures:

- Have a vigil on neck blast incidence, if incidence is observed apply Azoxystrobin 25SC @ 200 ml/acre or Carbendazim 50 WP @ 400g/200 liters of water/acre or Trifloxystrobin 25% + Tebuconazole 50% @ 80 g per 200 liters of water/acre or *Pseudomonas fluorescens* @ 5 ml/liter (organic).
- In the rice field where the number of BPH/hill exceeds 10, spraying of following pesticides should be taken immediately.
  - Triflumezopyrim 10 SC @ 94ml/Acre
  - Pymetrozine 50WG @ 120 g/acre
  - Clothianidin 50 WDG @ 9.6 g/acre
  - Dinotefuran 20SG @ 60 g/acre
  - Flonicamid 50WG @ 60 g/acreUse power sprayer and keep the nozzle towards basal portion of the plant as BPH rests near the base of the plant. Spraying should be done in morning or evening hours.
- In case of infestation of Gundhi bug (Flowering stage), when the population of Gundhi bug exceeds 2 bugs/hill or 5 bugs/ m<sup>2</sup>, apply any one of the pesticides.
  - Apply dust formulation of Malathion 5% @ 10 kg/acre.
  - Or spray ethofenprox 10 EC @ 200 ml/acre or Chlorpyrifos 20 EC @ 1.0 liter/acre by using 200 liters of water.
- In case of infestation of Ear cutting caterpillar in matured crop in the field, apply Quinalphos 25EC @ 400 ml/acre or Chlorpyrifos 20EC @ 500 ml/acre.
- Harvest the rice crop at physiological maturity (when 80% spikelets mature in a panicle) to minimize loss due to shattering of grains.
- Summer ploughing should be done in rainfed lowland areas where direct seeded rice is grown and first ploughing should be done with Mould Board plough so that at least 15 - 20 cm of soil gets ploughed and second ploughing may be done with cultivators.
- In light soil conditions, fine tilth should be done with rotavators for direct seeding.
- Rice varieties like Varshadhan, Durga, CR Dhan 501, Hanseswari and Sarala may be selected for intermediate deep water and CR Dhan 502 (Jalamani), CR Dhan 503 (Jayantidhan), CR Dhan 500 & CR Dhan 505 for deep water areas. Good quality seeds may be procured from Research Institutes, Universities, KVKs, Block offices (Agriculture) and reputed firms etc.
- Dhaincha seeds should also be procured from above mentioned organizations for sowing in transplanted rice areas.