



ICAR- Central Rice Research Institute

(An ISO 9001: 2015 Certified Institute)

Cuttack –753006, Odisha, India

Agro-Advisory Service

Strategies for First Fortnight of October, 2026

- ❖ In transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage @ 17.5 kg of urea per acre whereas in sandy soil apply 17.5 kg of urea +13 kg of MOP per acre.
- ❖ In transplanted rice, if problem of thrips is noticed, farmers can go for neem seed kernel based insecticide like Azadirachtin 0.15% @ 1 lit/acre or spray Lambda-cyhalothrin 5% EC @ 100 ml or Thiamethoxam 25 % WG @ 40 g in 200 litre of water for one acre area.
- ❖ Install 4-5 pheromone traps/acre in the rice field for monitoring of the yellow stem borer (*Scirp*o lure) and leaf folder (*Cnaphalo* lure). Whenever the number of male moths/trap reaches 4 or 5, spray azadirachtin 0.15% neem seed kernel based EC formulation @ 800 ml/acre or broadcast granular insecticide chlorantraniliprole 0.4% GR @ 4 kg/ acre or cartap hydrochloride 4G @ 10 kg/acre mixing with sand at 1:1 ratio or spray chlorantraniliprole 18.5% SC @ 60 ml/acre or tetraniliprole 200 SC (18.18% w/w) @ 100-120 ml/acre or flubendiamide 20 WG 50g/acre with spray solution volume of 200 litres/acre.
- ❖ Release of egg parasitoids, *Trichogramma japonicum* (NRRI Trichocard-T.j) and *Trichogramma chilonis* (NRRI Trichocard-T.c) to manage stem borer and leaf folder infestation respectively @ three cards (consisting of ~60000 parasitized eggs) per hectare once moth activity is noticed. Five such releases are made at every 7-10 days interval till egg masses or moth activity is not seen, whichever is earlier.
- ❖ Whenever damage of leaf folder (two folded leaves/hill) were observed, spray chlorantraniliprole 18.5% SC @ 60 ml/acre or tetraniliprole 200 SC (18.18% w/w) @ 100-120 ml/acre or flubendiamide 20 WG 50 g/acre. Use 200 litres of water as spray volume per acre for spraying.
- ❖ In the case of infestation of swarming caterpillar/case worm/hispa, spray chlorpyrifos 20 EC @ 500 ml/ acre or quinalphos 25% EC @ 800 ml/acre. Use 200 litres of water as spray volume per acre for spraying.
- ❖ In case of gall midge infestation, spray fipronil 05% SC @ 400-600 ml/acre or thiamethoxam 25% WG @ 40 ml/acre or lambda-cyhalothrin 5% EC @ 100 ml/acre or chlorpyrifos 20 EC @ 500 ml/ acre or carbofuran 3% CG @ 20 kg/acre. Use 200 litres of water as spray volume per acre for spraying.
- ❖ If population of brown planthopper (BPH) exceeds ETL (5-10 hoppers/hill), alter the micro-climate of the rice field by following alternate wetting and drying technique (AWD) (water should not be stagnated in the field for long time). If the problem still persists, spray triflumezopyrim 10% SC @ 94 ml/acre or pymetrozine 50% WG @ 120 g/acre or dinotefuran 20% SG @ 60-80 g/acre or thiamethoxam 25% WG @ 40 ml/acre or ethofenprox 10 % EC @

200-300 ml/acre or acephate 75% SP @ 400 g/acre or fipronil 5% SC @ 400-600 ml/acre. Use 200 litres of water as spray volume per acre for spraying. Use insecticides recommended against BPH at specified/recommended dose only. Avoid using nitrogenous fertilizers during infestation of BPH.

- ❖ If there is infection of sheath blight, on appearance of disease in 1-2 tillers, spray Tebuconazole 50% + Trifloxystrobin 25 % WG @ 0.4 g or Propiconazole 75% @ 1ml per litre of water or Hexaconazole 50% @ 2ml per litre of water or Validamycin 3L @2ml/litre. Repeat the spray at 7-10 days' interval. Use 200 litres solution for one-acre area.
- ❖ In case of incidence of Bacterial blight / Bacterial leaf streak, apply Plantomycin @ 1 g/litre along with Copper oxychloride @1 g/litre of water using 200 litres of water per acre.
- ❖ In case of leaf blast incidence, spray Tebuconazole 50% + Trifloxystrobin 25% (Nativo 75WG) @ 0.4g/litre or Edifenphos 50 EC @ 2ml/litre or Tricyclazole 75WP @ 0.6 g/litre of water may be done for controlling the disease. Otherwise, spraying of leaf extracts of Bael (25 g fresh leaves) or Tulsi (25 g fresh leaves) or Neem (200 g fresh leaves) per litre of water can help in reducing the incidence of disease.
- ❖ In case of incidence of brown spot disease in direct seeded rice, spray Propiconazole 25 EC @ 200 ml/acre **or** Mancozeb 75 WP @ 400 g/acre **or** Carbendazim 64%+Mancozeb 8% 75 WP @ 300 g/acre. Use 200 litre solution for one-acre area.
- ❖ In upland rice when the population of Gundhi bug exceeds the Economic Threshold Level (ETL) i.e., 2 adults/hill or 5 adults/m², do dusting of Malathion 5% @ 10 kg/acre or spray Etofenprox 10 EC @ 200 ml/acre or Chloropyriphos 20% EC @ 1000 ml/acre.
- ❖ False smut: Spray Copperhydroxide 77% (Kocide101) @ 400 g/acre or Tebuconazole 25% (Folicur) @ 400 g/acre at boot leaf stage. Repeat the spraying at seven days interval for effective control of false smut.
- ❖ Wherever rice has not been grown due to moisture stress, farmers are advised to grow short duration pre rabi crops like Amaranths, Ragi, Horse gram, Green gram, Black gram, Cowpea, Sweet potato and Sesame in upland/medium lands utilizing the available soil moisture in the field.
- ❖ A "Rice Health Clinic" has been established at ICAR-CRRI, Cuttack to provide support for pest, disease and nematode problems related to rice cultivation. If you observe any such problem in your rice crop, bring a sample of the affected rice plant to the Rice Health Clinic. Visiting hours 10.30 a.m. to 12.30 p.m. in working days from Monday to Friday. The sample brought to the clinic will be examined scientifically, and, whenever necessary, advice from the institute's expert scientists will be sought.

Contingent Agro-advisory for areas received heavy rainfall due to low pressure

It has been observed that due to heavy and continuous rain for last few days, most of the rice fields are either completely or partially submerged. There is a chance of infestation of diseases and pest so farmers should be alert. Under the said conditions, farmers are suggested to follow the following practices:

- ❖ Drain out the excess water from rice fields wherever possible.
- ❖ Apply 5 kg potash per acre.
- ❖ In areas where cloudy sky, high humidity, intermittent rainfall with high day temperature and low night temperature, prevailing, high incidence of many diseases like Bacterial Blight, Bacterial Leaf Streak, Leaf Blast etc may appear. So, keep vigil on your field. Apply 1 g Plantomycin + 20 g Copper Oxychloride in 10 litres of water for bacterial diseases. If leaf blast is observed in rice field, spray Tebuconazole 50% + Trifloxystrobin 25% WG @ 4 g/10 ltr of water or Isoprothiolane 40 EC @ 15 ml per 10 litre of water. Repeat the spray at 7-10 days interval.
- ❖ In case of late transplanted rice, infestation of swarming caterpillar may occur. In such case, apply kerosene @ 2L/ha and shake the rice plants rigorously by crossing ropes. If infestation continues apply any contact insecticide such as Chlorpyriphos 20 EC @ 500 ml/acre or Lambda-Cyhalothrin 5% EC @ 200 ml/acre or Quinalphos 25% EC @ 800 ml/acre.
- ❖ The present condition (cloudy sky, high humidity, intermittent rainfall with high day temperature but low night temperature) is highly favourable for incidence of many diseases like Bacterial Blight, Bacterial Leaf Streak, Leaf Blast, sheath blight etc. So, keep vigil on your field. Apply 200g Plantomycin + 200g Copper Oxychloride in 200 litres of water per acre for bacterial diseases. In case of Blast incidence, spraying of Tebuconazole 50% + Trifloxystrobin 25% (Nativo 75 WG) @ 80g/acre or Carbendazim 50 WP @ 400g/acre may be done for controlling the disease.
