**Week No. 28**

**District - Cuttack** (East and South-Eastern Coastal Plain Agroclimatic Zone)

The mean daily maximum temperature was 33.9°C and mean daily minimum temperature was 24.6°C of the Cuttack district during the last week. The district received 32.4 mm rain during the last week. Land preparation and sowing of direct dry seeded rice in up-medium land is going to be completed. Land preparation for wet bed nursery are going on. Land preparation sauch as ploughing and puddling has been started for transplantiong of paddy. Land preparation and sowing of kharif non-paddy crops such as groundnut, pigeon pea and cotton are going on. Incorporation of green manuring crop has been started. Intercultural operation of Kharif vegetables are going on along with plant protection. Plant protection of marigold, tube rose are carried out. Top dressing of sugarcane is carried out. Digging of holes for planting of fruit seedlings are going on. Rainfall up to end of this week is deficient. Overall crop condition is Normal.

**Forecast (Up to 19.07.2020)**

**Given by Met. Centre, IMD, Bhubaneswar**

**DISTRIBUTION**

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**For further information, contact the Met. Centre, Aerodrom Area, IMD, Bhubaneswar, Tel. # 0674-2596116.**

**Agromet Advisory**

**General**

- Keep bunding water in the main rice field for timely puddling and transplanting.
- Go for land preparation and puddling for transplanting in low land and medium low land.
- Go for transplanting of rice in blocks receiving more than 150 to 200 mm rainfall during July and beushaning of direct seeded rice.
- Complete raising of wet bed rice nursery without any delay as fair amount rainfall is received due to active monsoon and it is likely to receive a good amount of rainfall in next five days.
- Go for SRI method of rice cultivation in irrigated medium lands, as 10 to 12 days is required for raising seedlings.
- Go for sowing of pulses like green gram, black gram, sesame etc. in upland without any delay for best utilization of soil moisture due to receipt of fair amount of rain(uplands receiving rainfall of 60-75 mm during last week).
- Go for sowing of kharif vegetables like okra and cucibrits.
- Go for planting of fruit trees.
- Go for top dressing of maize.
- Go for raising seedlings of vegetables in raised seed bed in the rainfed uplands.

**DIRECT SEEDED RICE**

(i) **Lowland dry direct seeded rice** In semi-deep/deep water direct areas where direct seeding has already completed, to control weeds apply Bispyribac sodium 10% SC @ 120 ml/acre in 120 litres of water (8 tank of 16 lit capacity sprayer) at 8-10 days after emergence when the weeds are at 2-3 leaf stage as an alternate to manual weeding or Metsulfuron Methyl 10%+ Chlorimuron Ethyl 10% WP (Almix/Clomix/Alvida) @ 8 gram / acre at 15- 20 DAS (When the weeds are at 3-4 leaf stage) by mixing in 200-litre of water or apply tank mix of Fenoxaprop-p-ethyl + Ethoxysulfuron (Rice star + Sunrise) @ 260 + 50 g/acre at 15-20 DAS as an alternate to manual weeding. Drain out water from paddy field before spraying of herbicide and irrigate the field after 2-3 days. Always use clean water for herbicide application. Use flat fan nozzle or flood jet nozzle for herbicide application.

(ii) **Upland dry direct seeded rice** In upland rice to control weeds spray herbicide Bispyribac sodium 10% SC at 120ml/acre in 120 litres of water at 8-10 days after emergence when the weeds are at 2-3 leaf stage as an alternate to manual weeding.

**Wet Bed Nursery** Irrigation should be done in nursery field and puddle it 2-3 times followed by planking. Apply 200 kg of FYM, 4 kg of DAP, 2.5 kg of MOP after last puddling in 10-decimal area. Apply light irrigations to the nursery area so that the field remains wet and do not keep standing water. Apply 4 kg of Urea at 15 DAS to the nursery area. Apply 400-gm Chlorantraniliprole 0.4 % G (Ferrera/Enfuse) or 800-gm Cartap Hydrochloride 4% GR (Boregan/Caldan) in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting.

**Nursery Management** To control weeds in rice nursery apply pyrazosulfuron ethyl @ 80 g/acre at 0-3 DAS. If infestation of thrips is notice in rice nursery, spray NSKE (Azadirachtin) @ 800 ml/acre or Lambda-cyhalothrin 5 % EC @ 100 ml/acre or Thiamethoxam 25 % WG @ 40g/acre. In root-knot nematode and stem borer endemic areas, carbofuran granules @ 3 g/sq. m or phorate @ 1g/sq. m or diazinon @ 1g/sq. m is to be applied after 5 days. If infestation of seedling blight is noticed, apply Propiconazole (Tilt) @ 1 ml/1 litre of water. **Nodal Officer**

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