



Gramin Krishi Mausam Sewa
India Meteorological Department
Odisha University of Agriculture and Technology
Bhubaneswar -751 003

Dr.T.R Mohanty
Nodal Officer

Week No.51

No. – 1824 (Eng. Bulletin)
Dt. - 18.12.2020

District: NAYAGARH

The mean maximum daily temperature was 31.1°C and mean minimum daily temperature was 16.6°C of the Nayagarh district during the last week. The district received 0.0 mm rain during the last week. Harvesting of long duration paddy is in progress. Raising of Nursery bed for Summer paddy is under progress. Picking of cotton crop is in progress. Harvesting of Sugarcane is continuing. Planting of fresh Sugarcane crop started. Sowing of Rabi crops like Maize, Wheat, Pulses, Oil seeds, Vegetables and Spices are under progress. There is no Rainfall up to the end of this week. Overall crop condition is Normal.

Forecast (Up to 23.12.2020)

Given by Met. Centre, IMD, Bhubaneswar

District: Nayagarh – The district is likely to receive no rainfall with clear sky. The wind speed will remain 03-04 kmph up to next five days. The daily maximum temperature is likely to decrease by 1°C up to Tuesday and increase by 1°C thereafter. The daily minimum temperature is likely to decrease gradually by 4°C up to Wednesday.

DISTRICT	NAYAGARH				
Date	19/12/2020	20/12/2020	21/12/2020	22/12/2020	23/12/2020
Rainfall (mm)	0	0	0	0	0
T-MAX (C)	30	30	29	29	30
T-MIN (C)	16	14	13	13	12
Cloud Cover	0	0	0	0	0
Rh Max (%)	92	75	54	48	64
Rh Min (%)	36	35	28	21	22
Wind speed (kmph)	4	4	4	3	3
Wind Direction (deg)	146	135	68	68	292

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

Agromet Advisory

- ❖ Go for harvesting of late duration rice at physiological maturity stage to avoid lodging and germination in the field itself. Drain out excess water in standing rice crop by making alleys (Pahi). Grain discoloration may occur. To control this, spray 1.5 g Streptocycline with 25 g Cupper Oxychloride per 10 litre water.
- ❖ Go for threshing of the harvested paddy. After threshing, paddy grains need to be sun-dried to 14% moisture for consumption purpose and for seed purpose it should be dried to 12% moisture for better self-life.
- ❖ Cover the recently planted cole crops with paper pockets during night time to avoid low temperature.
- ❖ Cover the seedlings of vegetable with paper packets in the night.
- ❖ Rodent infestation has been found in the threshing floor and in the field itself. Use poison bait. For the preparation of 100 g poison bait mix 96 g flour, 2 g edible oil and 2 g Zinc phosphide. Keep water in earthen bowl near the poison bait. Keep one celphos tablet in the mouth of each rat hole.
- ❖ First year ratooning of **sugarcane** incurs no expenditure on land preparation and seed. Harvest the previous sugarcane (Main) crop just at the level of land so that the buds will grow up from the eyes below the ground, resulting in profuse tillering. It will also prevent the infestation of different types of borer attack. Remove the dried leaves from the field or burn them in the field immediately followed by irrigation. Apply 4 tonne of FYM and recommended dose of fertiliser during ridge leveling. Gap filling should be done within 30 days of harvesting to maintain optimum plant population.
- ❖ Sunflower crop is at 25-30 days stage. Go for hoeing and weeding and thinning and apply N -fertilizer.
- ❖ Go for sowing of lentil, field pea, green gram, black gram and chickpea @ 20 kg/acre. Grow the following improved varieties. Bengal gram- Gourav, Annegiri, Radhey, Pea- Rachana, Arkel, Early December, Lentil- Asha, Pant-L-4, Pant-L-6, Green gram- TARM-1, Samrat, OUM-11-5, PDM-54, Black gram- Pant-U-19, Pant-U-30, T-9, B-3-8-8 Go for sowing in lines at 25-30 cm apart and at plant to plant distance of 10 cm.
- ❖ Early planted potato crop is at 3 week stage. Go for hoeing and weeding and apply the rest 30-45 Kg N/acre.
- ❖ Cabbage and cauliflower seedlings are at 3-week stage in the nursery. Go for planting in the main field. Dip the root of seedlings in 5:10:10 NPK solution. Apply 16:16:16 kg NPK/acre as basal, Plant the seedlings with a row spacing of 60 cm and 45 cm within the plants. Cover the recently planted cole crops with paper pockets during night time to avoid low temperature.

PADDY: Wet Direct Sown Paddy -Farmers those are going for Wet direct sown rice cultivation should apply 35 kg DAP, 27 kg Potash and 8 kg Urea per acre during last puddling. For sandy soil apply 35 kg DAP, 15 kg Potash and 8 kg Urea per acre during last puddling. In Zinc deficient soil apply Zinc Sulphate (21%) @ 10 kg/acre at every three years. Sowing of pre-germinated seeds should be done in puddled soil by direct broadcasting or by using drum seeder. Maintain only a thin film of water for proper establishment and early growth of seedlings. Use pre-emergence herbicide Pretilachlor (Rifit / Craze) @ 800-ml/acre or Oxadiargyl 80% W. P (Top star / Oximain) @ 30-gm/acre or Pyrazosulfuron Ethyl 10% W.P (Saathi / Killog) @ 80-gm/acre at 1-3 DAT. Spray the herbicide by mixing it in 200 litres of water per acre or Mix the herbicide with 20 kg of sand and broadcast it uniformly. Always use flat-fan or flood-jet nozzle and clean water for herbicide spraying.

POTATO: There are chances of **Leaf Blight disease** incidence in potato crop. To manage early leaf blight in potato, spray Mancozeb 75% WP (Indofil M-45 or Uthane M-45) @600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P (Saaf/ Sixer) @ 400-gram/acre. To manage late blight in potato spray Metalaxyl 8% + Mancozeb 64% W.P (Redomil Gold /Crilaxyl) @ 400- gram/acre at 10 days interval.

SUGARCANE: There are chances of Red Rot disease infection in sugarcane crop. To manage Red Rot disease in Sugarcane spray Carbendazim 12% + Mancozeb 63 % WP (Saaf/Sixer/Companion) @ 400-gram/acre or Metalaxyl 8 % + Mancozeb 64 % WP (Ridomil Gold/Krilaxyl) @ 400-gram/acre by mixing it in 200 litre of water.

NODAL OFFICER