



Gramin Krishi Mausam Sewa
India Meteorological Department
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Bhubaneswar -751 003

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Nodal Officer

Week No.30

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District: NAYAGARH

The mean daily maximum and minimum temperature were 33.0°C and 24.9°C in the Nayagarh district during the last week. The district was received 56.5 mm rainfall during the last week. Beushaning of direct dry seeded rice is going on. Keep water in the main rice field by bunding for timely puddling and transplanting. Transplanting of rice to be done in blocks receiving more than 255 to 350 mm rainfall during July and beushaning of direct seeded rice may be done after accumulation of enough water (at least 7-10 cm standing water) at 25-30 days after sowing. Go for SRI method of rice cultivation in irrigated medium lands. Go for top dressing of maize. Go for disease management of vegetables. Rainfall up to end of this week is deficient. Overall crop condition is Normal.

Forecast (Up to 02.08.2020)

Given by Met. Centre, IMD, Bhubaneswar

District: Nayagarh – The district is likely to receive light to moderate rainfall in the week except on Thursday and Friday with almost cloudy sky. The wind speed will remain within 3 to 5 kmph up to next four days. The daily maximum temperature is likely to decrease by 1°C on Thursday and Sunday. The daily minimum temperature is likely to increase by 1°C on Friday and Saturday.

| DISTRICT | NAYAGARH | | | | |
|----------------------|-----------------|------------|------------|------------|------------|
| Date | 29-07-2020 | 30-07-2020 | 31-07-2020 | 01-08-2020 | 02-08-2020 |
| Rainfall (mm) | 10 | 2 | 0 | 7 | 7 |
| T-MAX (C) | 35 | 34 | 35 | 35 | 34 |
| T-MIN (C) | 25 | 25 | 26 | 26 | 25 |
| Cloud Cover | 5 | 4 | 4 | 5 | 5 |
| Rh Max (%) | 87 | 90 | 83 | 80 | 86 |
| Rh Min (%) | 57 | 57 | 48 | 47 | 48 |
| Wind speed (kmph) | 3 | 3 | 4 | 4 | 5 |
| Wind Direction (deg) | 207 | 226 | 249 | 214 | 188 |

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

Agromet Advisory

General

- Keep water in the main rice field by bunding for timely puddling and transplanting.
- Go for transplanting of rice in blocks receiving more than 255 to 350 mm rainfall during July and beushaning of direct seeded rice.
- Go for SRI method of rice cultivation in irrigated medium lands. 10 to 12 days is needed for raising seedlings.
- Go for top dressing of maize
- Go for disease management of vegetables.

DIRECT SEEDED OF RICE

(i) For control of 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 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) Where herbicide has not been applied, “Beushaning” may be done after accumulation of enough water (at least 7-10 cm standing water) at 25-30 days after sowing. After “Beushaning” apply 35 kg of urea/acre as top dressing. If fertilizer has not been applied during sowing, apply 35 kg of DAP, 15 kg of MOP and 15 kg of Urea per acre after “Beushaning”. Do not go for “Beushaning” if the crop is more than 45 days old.

RICE:

Transplanting of HYV Rice: 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. Transplanting of 20-25 days old seedlings should be done at a spacing of 20x15 cm, plant 2-3 seedlings per hill for high yielding varieties. Use pre-emergence herbicide Pretilachlor (Rifit / Craze) @ 800 ml/acre or Oxadiargyl 80%W. P (Top star / Oximain) @ 30gm/acre or Pyrazosulfuron Ethyl 10% W.P (Saathi /Killog) @ 80gm/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.

MAIZE: Hand weeding and ear thing up should be done at 20-25 DAS. Apply 55 kg of urea per acre at this stage. If there is infestation of Fall Army Worm, spray biopesticide Beauveria bassiana @ 1200 g/acre by mixing in 200 litres of water. Use 10-12 bird perches per acre and remove them before tasseling stage. Dust mixture of sand, soil and wooden ashe inside the leaf whorl so that the caterpillars cannot feed on the leaves. For chemical control, spray Emamectin Benzoate 5% S.G (ES- 1/Proclaim) @80 g / acre or Spinetoram 11.7% S.C (Delegate) @ 100 ml/ acre or Chlorantraniliprole 18.5% S.C (Coragen/Cover) @ 80 ml/ acre after mixing in 200 litres of water.

GROUNDNUT: For control of weeds in Groundnut crop, apply post emergence herbicide like Imazethapyr 10% SL (Weed Block/Lagaam) @ 300-ml/acre or Quizalofop-Ethyl 5% EC (Targa Super/Builder/Hakama) @ 400-ml/acre at 15-DAS by mixing it in 200 litre of water. Always use flat-fan or flood-jet nozzle and clean water for herbicide spraying.

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