



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

Dr. T.R. Mohanty
Nodal Officer

Week No.15

No. – 408 (Eng. Bulletin)
Dt. - 12.04.2024

District – Puri (East and South-Eastern Coastal Plain Agroclimatic Zone)

The mean maximum daily temperature was 34.4°C and mean minimum daily temperature was 26.3°C of the Puri district during the last week. The district received 0.7 mm rainfall during the last seven days. Transplanting of summer paddy is completed. Sowing of summer pulses, oilseed and vegetables are also under progress. Harvesting of rabi crops like Mustard, Groundnut, Mung, Biri and Kulthi are completed. Crop coverage till date is 99.6 % of the total programme area. Overall crop condition is Normal.

Forecast (Up to 17.04.2024)
Given by Met. Centre, IMD, Bhubaneswar

DISTRICT: PURI – As per the forecast received from IMD, for the next five days dry weather may prevail over the district of Puri. For the next five days, the sky condition may remain clear to partly cloudy. In the next 5 days, the wind speed will remain within 14-26 km/h. The daily maximum and minimum temperature are likely to remain within 34-36°C and 25-26°C respectively for next five days.

DISTRICT	PURI				
Date	13/04/2024	14/04/2024	15/04/2024	16/04/2024	17/04/2024
Rainfall (mm)	0	0	0	0	0
T-MAX (C)	36	36	35	35	34
T-MIN (C)	25	25	25	26	26
Cloud Cover	3	2	1	0	1
Rh Max (%)	68	76	75	80	84
Rh Min (%)	45	46	51	54	57
Wind speed (kmph)	14	21	21	24	26
Wind Direction (deg)	243	207	202	202	202

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

Agromet Advisory

- ❖ Transplanting of vegetables should be done in afternoon hour to avoid high temperature.
- ❖ In case of ear cutting caterpillar incidence in paddy, spray Quinalphos 25EC @ 400 ml/acre or Chlorpyrifos 20EC @ 500ml/acre in 200 litres of water. It should be applied in the morning hour to the base of the crop.
- ❖ After harvesting, Blackgram and Greengram, dry the seeds until the optimum moisture content is attained. Clean the entire surface where the storage is to be done.
- ❖ At the time of harvesting groundnut pods usually have moisture content around 40-50% and hence need to be dried under direct sunlight to bring moisture content below 10% for safe storage.
- ❖ Cover the rows with dry leaves in Sugarcane. Top-dress with 4% potassium to protect crop from water scarcity during summer.
- ❖ Apply sprinkler irrigation to bring down the heat effect. Conserve upto 50% water by irrigating alternate rows.
- ❖ High temperature in day hours may lead to wilting in tomato and brinjal. Apply 1g Streptocyclin in 10 liter water in root zone.
- ❖ Mulch coconut leaves 1.8 m around a coconut tree to reduce water loss.

PADDY (Summer): Gundi Bug management -To manage Gundi Bug spray Chlorpyrifos 20% EC @ 400- ml/ acre or Malathion 50 % EC @ 400- ml/ acre by mixing in 200-litre of water. Dusting of Chlorpyrifos 1.5 % D @ 10-kg/acre 3 or Malathion 5 % D.P @ 10 kg/acre should be done uniformly during morning hours, when there is no or minimum wind.

BPH and WBPB management -If infestation of BPH and WBPB occur (5-10 hoppers/hill), spray Neem Based Pesticide (Azadirachtin) 1500 PPM @ 600- ml/acre at the base of the plant. If problem persists, spray Pymetrozine 50% WG @ 120 g/acre or Dinotefuran 20 % SG @ 80 g/acre or Flonicamid 50 % WG @ 60- gram/acre or Triflumezopyrim 10% SC @ 100 ml / acre at the base of the plant. Use only pesticides recommended for brown plant hopper at recommended dose only and do not use same pesticide repeatedly.

GROUNDNUT: Post Harvest Management - Groundnut should be stored in polythene lined gunny bags with desiccant like fused Calcium Chloride @ 250-gram/30-kg of seeds. The desiccant should be tied with cotton cloth and kept inside perforated plastic box. The sealed bags should be kept vertically inside a well-ventilated room at room temperature.

CUCURBITS: Downy Mildew management- To manage Downy Mildew disease in cucurbits spray Copper Hydroxide 77 % WP @ 3-gram/litre or Fosetyl -AL 80 % WP @ 3- gram/litre or Carbendazim 12 % + Mancozeb 63 % WP @ 2-gram/litre.

CHILLI: Fruit rot and die back management - There are chances of fruit rot and die back disease incidence in chilli crop. To manage these disease spray Propineb 70 % WP @ 500 gram/acre or Difenoconazole 25 % EC @ 100-ml/acre or Azoxystrobin 23 % SC @ 200-ml/acre. The fungicide should be sprayed first just before flowering and second at fruit formation stage.

MANGO: Mango hopper -To control mango hoppers spray Imidacloprid 17.8% SL @ 5 ml/15 litre of water or Thiamethoxam 25% W.G @ 3ml/15litre of water or Acetamiprid 20% S.P. @ 4g /15litre of water. Application of smoke below the plants can also help in reducing the pest population.

ANIMAL HUSBANDRY: Due to severe heat there is reduction of growth rate and milk production in animals and if the treatment is not provided in time then the animal may die. During scorching heat the animals should be tied under tree shed. If the roof the animal shed is made up of tin or asbestos, then put straw over it and sprinkle water on it from time to time. Cover the windows and doors of the shed with wet gunny bag and remove it after sun set. Do white washing over walls and the roof of the house. If you are keeping high producers then install fans, water sprinklers and other heat reducing instruments. If the animal is succumbed due to heat stress then apply ice and wet clothes over its head and call a Veterinarian as soon as possible.

PRINCIPAL NODAL OFFICER

For better agricultural benefits use, **OUAT KALINGA** products (Seedlings, Saplings & QPM, Tissue Culture Plants, Fruits & Vegetables, Value Added Products, Fingerlings/ Yearlings, Poultry chicks, Breeds, Mushroom & Spawn, Bio-Fertilizer, Bio-Pesticides, Vermi & VermiCompost and Farm Implements).

IMD Weather forecast and Agro-meteorological advisory of Odisha location is now available on Meghdoot mobile app in English and Odia language.
Download: (Android: <https://play.google.com/store/apps/details?id=com.aas.meghdoot>) (iOS: <https://apps.apple.com/in/app/meghdoot/id1474048155>)