



GRAMIN KRISHI MAUSAM SEWA
India Meteorological Department
Orissa University of Agriculture and Technology
Regional Research & Technology Transfer Station (RRTTS)
Bhawanipatna, Kalahandi – 766001



Bulletin No.31/2024 **WEEK NO. 16** **Tuesday/Dt.16.04.2024**

Weather Conditions recorded in last week at AMFU Bhawanipatna:

Weekly Rainfall (mm) and rainy days	0.0/00
Cumulative Rainfall (mm) and rainy day (w.e.f. 01.01.2024)	46.0/03
Mean weekly maximum temperature (°C)	33.8
Mean weekly minimum temperature (°C)	21.8

Weather Forecast for Next Five Days:

DISTRICT	Date	Rainfall (mm)	T-MAX (°C)	T-MIN (°C)	Cloud Cover	Rh Max (%)	Rh Min (%)	Wind speed (kmph)	Wind Direction (deg)
KALAHANDI	17-04-2024	0	42	25	0	43	17	8	289
	18-04-2024	0	42	25	0	46	15	7	210
	19-04-2024	0	44	26	0	50	12	8	180
	20-04-2024	0	45	27	0	52	13	7	207
	21-04-2024	1	42	26	2	49	12	11	216

For further information, contact the IMD, Bhubaneswar, Tel.#0674-2596116

Weather Summery/Alert:

According to the above forecast received from IMD, hot and dry weather is likely to prevail in next five days period. Sky may remain clear and wind may blow from Southerly to Westerly direction with the maximum speed of 011 km/hr. The maximum and minimum temperature may remain 42 to 45 °C and 25 to 27 °C respectively. Maximum RH is expected to vary between 43 – 52 % and minimum RH between 12 – 17 %.

Warning: Heat wave condition very likely to occur from 18th to 20th April at one or two places in Kalahandi district.

Agromet – Advisory Bulletin for Kalahandi District

General Advisory:

- As day temperature is rising, farmers are advised to undertake frequent irrigation at critical growth stages of the crop during the evening or early morning hours.
- Considering the weather forecast, it is advised to apply of plant protection chemicals during evening hours.
- Farmers are advised to undertake weeding and hoeing operation in the standing crops and vegetables to protect them from weeds by utilizing available soil moisture.
- Use light trap to monitor insect population. This causes less damage to useful insects.
- In view of weather forecast farmers are advised to keep animals and birds indoors from 10 AM to 4 PM with provision of sufficient clean drinking water.

SMS Advisory	Maintain water depth of 5cm during PI to Flowering stage to get higher yield in Rice.
Crop and Livestock Specific Advisory:	
Crop (Stage)	Advisory
Summer Paddy (Flowering/Grain Filling)	<p>Disease and Insect Management:</p> <ul style="list-style-type: none"> ▪ Sheath Blight: Sheath blight infestation is noticed in paddy fields. Apply Azoxystobin 11% +Tebuconazole 18.3% @ 1.5 ml /ltr of water for effective control. ▪ Bacterial blight: Bacterial blight is noticed under prevailing weather condition. Apply Copper oxychloride 50% WP @ 3 g/liter of water. ▪ Blast: If infestation of blast disease is noticed, spray Carbendazim 50 WP @ 1g/ ltr of water or Trifloxystrobin 25% + Tebuconazole 50% @ 4 g /10 ltrs of water or Edifenphos 50 EC @ 1 ml/ltr of water. ▪ Stem borer/Leaf folder: Apply Cartap hydrochloride 4G @ 10 kg/acre mixing with sand at 1:1 ratio or spray Chlorantraniliprole 18.5% SC @ 3ml or Flubendiamide 39.35% M/M SC @ 1ml by mixing with 10 liters of water to control stem borer/leaf folder infestation. ▪ BPH: Due to rise in temperature development of BPH may occur. So, farmers are advised to make alleys in every six feet in East to West direction towards good penetration of sunlight and air to the base of the plant.
Green gram/Black gram (Maturity/Harvest)	<p>Post-Harvest Management:</p> <ul style="list-style-type: none"> ▪ Pods should be harvested at 70-80 % of the pods are matured and that should be sundried to bring the moisture content up to 8-10 percent of the seed. ▪ Store the harvested produce in a safe place by mixing with Mustard oil @ 2ml/kg seeds to protect from stored grain pest.



GRAMIN KRISHI MAUSAM SEWA
India Meteorological Department
Orissa University of Agriculture and Technology
Regional Research & Technology Transfer Station (RRTTS)
Bhawanipatna, Kalahandi – 766001



	<ul style="list-style-type: none"> After harvesting of pods the plant should be mixed with the soil by ploughing, which enhances soil fertility.
Groundnut (Maturity/Harvesting)	<ul style="list-style-type: none"> If soil moisture is not available, provide a light irrigation just before harvest. It will help to remove matured pods from the soil easily. After uprooting, leave the pods along with plants for drying up to 5-7 days. It will improve the grain weight by supplementing preserved food in to the pods.
Okra (Flowering/Fruiting/ Maturity)	<ul style="list-style-type: none"> Fruit borer: Under prevailing weather condition, okra may be affected by Fruit borer. Install Pheromone trap with Heli lure @ 8nos./acre at vegetative stage and replace the lure after three weeks.
Cucurbits (Flowering/Fruiting/ Maturity)	<p>Disease Management:</p> <ul style="list-style-type: none"> Powdery mildew: Under prevailing weather condition, cucurbits may be affected by Powdery mildew. Apply Carbendazim 50% WP @ 0.5g/ltr of water if symptom is noticed.
Onion (Bulb Formation/Maturity)	<ul style="list-style-type: none"> Avoid moisture stress condition during bulb formation stage. Stop irrigating to the crop 15 days before harvest. Store the harvested onion in well-ventilated room to protect the crop from sprouting. <p>Disease and Insect Management:</p> <ul style="list-style-type: none"> Purple blotch: Spray Difenconazole 25% EC or Tebuconazole 25.9% EC or Kitazin 48% EC @ 1g/ltr of water. Thrips: Prevailing weather condition favors thrips infestation. Install blue sticky trap @ 8/ acre at vegetative stage. For chemical control, spray Thiomethoxam 25 WG @ 1g/ 5 liters of water or Acetamiprid 20% SP @ 1g/ 4 liters of water.
Livestock	
Cattle & Buffalo	<ul style="list-style-type: none"> As day temperature is rising, don't allow the draught animals to work in the scorching sun. Don't let loose the animals to outside after 10 AM. Again, allow them to graze after 4 PM. It is essential to provide clean and cool water to the animals.
Goat & Sheep	<ul style="list-style-type: none"> Under prevailing weather condition, allow the goats & sheeps to graze only from 7-10 AM in the morning & 4-7 PM in the evening. Keep the curtain of the shed close during day time & open it during night for easy passage of air.
Poultry	<ul style="list-style-type: none"> In view of rising day temperature farmers are advised to keep the poultry shed cool as far as possible. If required, sprinkle water over them during day time for cooling effect. Provide the optimum quantity of feed and water to avoid excessive heat stress. Keep the curtains of poultry shed close during day time.
Pisciculture	<ul style="list-style-type: none"> For yearling production select the pond where there will be water of 4-5 feet depth during summer and provision for providing water either from bore well or other source. For yearling production 2lakh fry should be used in one acre pond in ratio of 20% catla, 50% rohu and 30% mirigal.

Nodal Officer
GKMS, RRTTS, Bhawanipatna

N.B.: - Kindly download and use the “MAUSAM” App for location-specific forecast and warning, “Meghdoot” App for Agromet advisory and “Damini” App for Lightning warning. 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>)