



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



Bulletin No.30/2024 **WEEK NO. 15** **Friday/Dt.12.04.2024**

Weather Conditions recorded in last week at AMFU Bhawanipatna:

Weekly Rainfall (mm) and rainy days	6.4/01
Cumulative Rainfall (mm) and rainy day (w.e.f. 01.01.2024)	46.0/03
Mean weekly maximum temperature (°C)	35.1
Mean weekly minimum temperature (°C)	22.4

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	13-04-2024	5	28	23	7	46	25	6	198
	14-04-2024	0	34	24	4	52	21	6	158
	15-04-2024	0	38	25	3	49	22	6	240
	16-04-2024	0	40	25	2	48	19	7	180
	17-04-2024	0	41	25	2	44	19	7	210

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

Weather Summery/Alert:

According to the above forecast received from IMD, light rain may occur tomorrow and dry weather is likely to prevail in succeeding days. Sky may remain mainly clear to partly cloudy from day after tomorrow. Wind may blow from Southerly to South Westerly direction with the maximum speed of 007 km/hr. The maximum and minimum temperature may remain 28 to 41 °C and 23 to 25 °C respectively. Maximum RH is expected to vary between 44 – 52 % and minimum RH between 19 – 25 %.

Warning: Nil

Agromet – Advisory Bulletin for Kalahandi District

General Advisory:

- As per extended range of forecast received from IMD, Maximum temperature likely to be above normal by 3 to 5°C over the districts of Odisha during week-1 (12th to 18th April 2024). Isolated thunderstorm activity likely to occur at one or two places over the districts of Odisha during the week-2 (19th to 25th April, 2024) with isolated heat wave possibility over some parts of Odisha. Maximum Temperature is likely to be slightly above normal at some places over the districts of Odisha during week-2. So, Farmers are advised to plan for farming activities accordingly.
- Considering the weather forecast, it is advised to resume application of plant protection chemicals & fertilizer from day after tomorrow.
- 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.

SMS Advisory	Farmers are advised to undertake summer ploughing by utilizing available soil moisture to reduce infestation of weed, diseases and insects.
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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.
Green gram/Black gram (Maturity/)	<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



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Harvest)	<p>stored grain pest.</p> <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 (Pod Development/Pod Maturity)	<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. <p>Disease Management:</p> <ul style="list-style-type: none"> Tikka: Spray Mancozeb 75% WP @ 3g/lit or Tebuconazole 29.5% EC @ 1.0 ml/lit or Carbendazim 50% WP @ 2g/ltr of water if tikka disease is noticed.
Okra (Flowering/Fruiting/ Maturity)	<p>Disease Management:</p> <ul style="list-style-type: none"> Powdery mildew: Under prevailing weather condition, okra may be affected by Powdery mildew. Apply Sulphur 80% WP @ 4g/ltr of water if symptom is noticed.
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>)