



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



Bulletin No.34/2024

WEEK NO. 17

Friday/Dt.26.04.2024

Weather Conditions recorded in last week at AMFU Bhawanipatna:

Weekly Rainfall (mm) and rainy days	0.2/00
Cumulative Rainfall (mm) and rainy day (w.e.f. 01.01.2024)	46.2/03
Mean weekly maximum temperature (°C)	41.4
Mean weekly minimum temperature (°C)	25.6

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	27-04-2024	0	43	26	2	41	13	9	214
	28-04-2024	0	44	27	2	37	15	8	285
	29-04-2024	0	45	27	2	39	15	10	270
	30-04-2024	0	44	26	1	41	13	10	206
	01-05-2024	0	43	25	2	42	15	12	214

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 likely to prevail in next five days. Sky may remain mainly clear and wind may blow from South Westerly to Westerly direction with the maximum speed of 012 km/hr. The maximum and minimum temperature may remain 43 to 45 °C and 25 to 27 °C respectively. Maximum RH is expected to vary between 37 – 42 % and minimum RH between 13 – 15 %.

Warning: Heat wave to Severe Heat wave condition very likely to prevail up to next four days over the places of Kalahandi district.

Agromet – Advisory Bulletin for Kalahandi District

General Advisory:

- As per extended range forecast received from IMD, mainly dry weather with isolated thunderstorm activity likely to occur at one or two places over the districts of Odisha during the week-1 (26th April to 02nd May, 2024). Maximum temperature likely to be above normal by 4 to 6°C at a few places over the districts of Odisha during the 1st half of week-1 (26th to 28th April 2024) and isolated severe heat waves likely over some parts of north Odisha as well as adjoining districts. During the second half of the week-1 (29th April to 02nd May) severe heat wave conditions to heat wave conditions likely to continue at a few places over the districts of Odisha.
- Mainly dry weather with isolated thunderstorm activity likely to occur at one or two places over the districts of Odisha during the week-2 (03rd to 09th May, 2024) with isolated severe heat wave conditions along with scattered heat wave conditions likely at a few places over some parts of coastal Odisha. Maximum Temperature is likely to be above normal at many places over the districts of Odisha during week-2.
- Regular monitoring for incidence of insect pest should be done as high temperature favors to multiply insect population.
- Make arrangement for drip irrigation with organic mulch to reduce evaporation loss in standing vegetables and fruit orchard.
- Considering the forecast of high day temperature along with heat wave condition in few places, farmers are advised to provide frequent irrigation to the standing crops during evening or early morning hours and time of irrigation should be prolonged in conventional method.
- 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	In view of severe heat wave forecast up to next four days, it is advised to take precautionary measures for hot weather while going outside during peak hours (11.00 AM to 3.00 PM) of the day.
---------------------	---

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"> ▪ 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. Avoid using of nitrogenous fertilizer during infestation. Don't keep standing water in the field for longer period and alter the micro-climate of the rice field by alternate wetting and drying technique. If the problem still persists, spray Pymetrozine 50% WG @ 6 g or Imidacloprid 17.8% SL @ 2.5 ml or Flonicamid 50% WG 3 g by mixing with 10 liters of water at root zone. ▪ Stem borer/Leaf folder: Apply Cartap hydrochloride 4G @ 10 kg/acre mixing with sand at 1:1 ratio or



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



	<p>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.</p> <ul style="list-style-type: none"> ▪ 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.
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. ▪ After harvesting of pods the plant should be mixed with the soil by ploughing, which enhances soil fertility.
Groundnut (Post Harvest)	<p>Post-Harvest Management:</p> <ul style="list-style-type: none"> ▪ To meet forthcoming seed requirement, 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 so that the viability of the seeds will remain up to 8-10 months.
Tomato (Flowering/Fruiting/ Maturity)	<ul style="list-style-type: none"> ▪ In view of prevailing weather condition, maintain soil moisture near to field capacity by frequent irrigation. ▪ Use organic mulch of 5-7 cm thickness around the plant to maintain congenial soil and micro-climate nearby plants. ▪ Two sprays of plant growth substances such as Salicylic acid (30 mg/ lit) or Sodium nitroprusside (SNP @ 3 mg/ lit) is also helpful in improving fruit set and size.
Cucurbits (Flowering/Fruiting/ Maturity)	<ul style="list-style-type: none"> ▪ Considering prevailing weather condition, maintain higher soil moisture in the field by frequent irrigations. ▪ Use shading net of 50% (1.5-2.0 m above the field surface) to reduce the intensity of solar radiation. ▪ To control sucking pest complex (Aphid, Jassids, Thrips & White fly), spray of Acetamiprid @ 3 g/ltr or Thiamethoxam @ 4g/ltr of water.
Livestock	
Cattle & Buffalo	<ul style="list-style-type: none"> ▪ Under prevailing weather condition farmers must be more careful for CB cattle as they are more heat sensitive. ▪ Provide proper shade to high yielding milch cattle & buffalo or else keep them inside a thatched house of at least 9 ft height. Don't let them go outside in scorching heat. ▪ In view of prevailing weather condition sprinkle water over them for 1 to 5 min. in half an hour interval. ▪ Make provision of sufficient drinking water and fan over them to reduce heat effect.
Goat & Sheep	<ul style="list-style-type: none"> ▪ If the farmers are keeping the sheep and goat inside RCC roof, place straw over the roof. Keep the provision of false ceiling under the roof. ▪ Don't let them graze outside from 10 AM to 4 PM.
Poultry	<ul style="list-style-type: none"> ▪ If a farmer is willing to start a new poultry farm, it is advisable to make the long axis of the shed in East-West direction with provision of false ceiling, coolers & foggers. ▪ Considering present weather condition, 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"> ▪ Considering high day temperature along with heat wave condition water depth in the fish pond should be raised from 0.8 m to 1.0 m by adding fresh water. Reduce the quantity of feed by 10-20% compared to normal condition and make provision for supplying cool water into the pond, so that the temperature remains in the range of 13-18°C for as long as possible.

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>)