



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



Bulletin No.28/2024 **WEEK NO. 14** **Friday/Dt.05.04.2024**

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)	39.6/02
Mean weekly maximum temperature (°C)	40.0
Mean weekly minimum temperature (°C)	25.2

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	06-04-2024	0	43	27	2	31	12	9	202
	07-04-2024	1	42	26	3	23	10	8	225
	08-04-2024	15	40	26	7	37	13	8	120
	09-04-2024	10	39	24	8	67	25	11	162
	10-04-2024	0	39	23	5	56	26	6	117

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

Weather Summery/Alert:

According to IMD forecast very light to light rain may occur from 07.04.2024 to 09.04.2024. Sky may remain partly cloudy to overcast during these days. Wind may blow from South Easterly to South Westerly direction with the maximum speed of 011 km/hr. The maximum and minimum temperature may remain 39 to 43 °C and 23 to 27 °C respectively. Maximum RH is expected to vary between 23 – 67 % and minimum RH between 10 – 26 %.

Warning: Nil

Agromet – Advisory Bulletin for Kalahandi District

General Advisory:

- Keeping in view of very light to light rainfall from 07.04.2024 to 09.04.2024, farmers are advised to harvest the matured crops and keep in a safe place.
- Farmers are advised to plan for application of plant protection chemicals & fertilizer by considering the rainfall forecast during next week.
- Farmers are advised to make provision for drip irrigation in fruit orchards and in commercial vegetables to reduce moisture stress condition in prevailing weather condition as well as to save irrigation water up to 70%.
- Keep your crop field free from weed as it helps in spreading of insects and diseases.
- In view of weather forecast, keep livestock inside shade with provision of sufficient clean water and feed.

SMS Advisory	As per forecast received from IMD, very light to light rain is likely to occur during 07.04.2024 to 09.4.2024.
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Crop and Livestock Specific Advisory:	
Crop (Stage)	Advisory
Summer Paddy (Panicle initiation/Flowering)	<p>Nutrient Management:</p> <ul style="list-style-type: none"> ▪ Apply Urea @ 35 kg/ac + MOP @ 11kg/ac in transplanted paddy and Urea @ 22 kg/ac + MOP @ 11kg/ac in wet direct seeded paddy at panicle initiation stage. <p>Disease and Insect Management:</p> <ul style="list-style-type: none"> ▪ Blast: If infestation of blast disease is noticed in direct seeded rice, 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. ▪ Bacterial blight: In case of incidence of Bacterial blight apply Plantomycin @ 1g along with Copper oxychloride @ 2.5 g/liter of water. ▪ Stem borer/Leaf folder: Apply nitrogenous fertilizer cautiously to avoid heavy infestation of stem borer. Collect and destroy egg masses of stem borer where ever possible. Install 3 pheromone traps with 5mg lure/acre in the rice field for monitoring of the yellow stem borer and leaf folder. Whenever the number of male moths/traps reaches 4 or 5, 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.
Green gram/Black gram	<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



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(Maturity/ Harvest)	<p>moisture content up to 8-10 percent of the seed.</p> <ul style="list-style-type: none"> 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 (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 & Insect Management:</p> <ul style="list-style-type: none"> Leaf miner: Due to rise in day temperature infestation of leaf miner may be seen. Spray Profenophos 50% EC @ 2ml/liter of water if infestation is observed. Tobacco Caterpillar: To monitor effectively install pheromone trap (Spodo lure) @ 8 no./ac at vegetative stage and replace the lure after 3 weeks. 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.

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>)