



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



Bulletin No.32/2024

WEEK NO. 16

Friday/Dt.19.04.2024

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)	38.6
Mean weekly minimum temperature (°C)	23.6

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	20-04-2024	0	44	24	0	61	9	8	180
	21-04-2024	0	43	25	3	46	12	8	236
	22-04-2024	1	42	25	7	44	13	10	289
	23-04-2024	10	40	24	7	55	20	9	195
	24-04-2024	5	38	23	4	51	19	8	225

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 two days and very light to light rain may occur during subsequent days of the week. Sky may remain clear to generally cloudy and wind may blow from Southerly to Westerly direction with the maximum speed of 010 km/hr. The maximum and minimum temperature may remain 38 to 44 °C and 23 to 25 °C respectively. Maximum RH is expected to vary between 44 – 61 % and minimum RH between 09 – 20 %.

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

Agromet – Advisory Bulletin for Kalahandi District

General Advisory:

- As per extended range of 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 second half of week-1 (19th to 25th April, 2024). Maximum temperature likely to be above normal by 3 to 5°C over the districts of Odisha during the 1st half of week-1 (19th to 21st April 2024) and isolated heat waves likely over some parts of north Odisha as well as adjoining districts.
- Isolated thunderstorm activity likely to occur at one or two places over the districts of Odisha during the week-2 (26th April to 2nd May, 2024) with isolated heat wave possibility over some parts of Odisha. Maximum Temperature is likely to be above normal at some places over the districts of Odisha during week-2.
- In view of light rainfall in between Monday and Wednesday, farmers are advised to plan for agricultural operations accordingly.
- Considering high day temperature along with heat wave condition, farmers are advised to provide frequent irrigation to the standing crops during evening or early morning hours.
- 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

Farmers are advised to install solar light trap in their crop field to monitor insect population.

Crop and Livestock Specific Advisory:

Crop (Stage)

Advisory

Summer Paddy (Flowering/Grain Filling)

- In view of prevailing weather condition maintain 5cm standing water to reduce heat stress condition and to get higher yield.
- Disease and Insect Management:**
- **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.



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	<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.
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.
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"> ▪ 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.



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