



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



Bulletin No.24/2024 **WEEK NO. 12** **Friday/Dt.22.03.2024**

Weather Conditions recorded in last week at AMFU Bhawanipatna:

Weekly Rainfall (mm) and rainy days	25.8/01
Cumulative Rainfall (mm) and rainy day (w.e.f. 01.01.2024)	39.4/02
Mean weekly maximum temperature (°C)	32.4
Mean weekly minimum temperature (°C)	20.1

Weather Forecast from 23.03.2024 to 27.03.2024 for Kalahandi District:

DISTRICT	Date	Rainfall (mm)	T-MAX (°C)	T-MIN (°C)	Cloud Cover	Rh Max (%)	Rh Min (%)	Wind speed (kmph)	Wind Direction (deg)
KALAHANDI	23-03-2024	0	36	21	0	62	19	8	158
	24-03-2024	0	37	21	0	66	13	8	161
	25-03-2024	0	37	21	0	60	17	9	202
	26-03-2024	0	37	22	2	55	13	9	202
	27-03-2024	0	37	22	2	53	16	9	169

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

Weather Summery/Alert:

According to IMD forecast dry weather is very likely to prevail in next five days of the week. Sky may remain clear mostly and wind may blow from Southerly direction with the speed of 008 to 009 km/hr. The maximum and minimum temperature may remain 36 to 37 °C and 21 to 22 °C respectively. Maximum RH is expected to vary between 53 – 66 % and minimum RH between 13 – 19 %.

Warning: Nil

Agromet – Advisory Bulletin for Kalahandi District

General Advisory:

- Keeping in view of dry and sunny weather during next five days, farmers are advised to resume fertilizer and pesticide application, where it is required.
- There is a possibility of aphid outbreak in summer vegetable crops. Therefore, it is advised to keep a constant watch and spray neem-based insecticides on observation of the initial outbreak.
- Regular monitoring of crop field is advisable for incidence of insects and diseases.
- Keep your crop field free from weed as it helps in spreading of insects and diseases. Farmers are advised to do mulching in vegetables to control weed population.
- As the day temperature is rising, keep livestock inside shade. If the shade is built by RCC roof, then spreading of straw over the roof is advisable along with provision of sufficient clean water during day time to keep them hydrated.

SMS Advisory	Green gram or Black gram should be harvested, when 70-80 % pods are matured.
Crop and Livestock Specific Advisory:	
Crop (Stage)	Advisory
Summer Paddy (Tillering to Panicle initiation)	<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. ▪ 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 just after the transplanting. Whenever the number of male moths/trap reaches 4 or 5, spray Azadiractin 0.15% neem seed kernel-based EC formulation @ 4 ml/ltrs of water or 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. ▪ Brown spot: If infestation of brown spot is noticed, spray Propiconazole 25% EC @ 1 ml or Carbendazim 12% + Mancozeb 63% @ 2.5 g by mixing with one liter of water. ▪ Thrips: During high temperature, there is a chance of thrips infestation in paddy. To protect, apply Thiamethoxam 25% WG @ 2 g per 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 moisture content up to 8-10 percent of the seed.



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(Maturity/ Harvest)	<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)	<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.
Hybrid Maize (Vegetative/Flowering/ Fruiting)	<p>Insect Management:</p> <ul style="list-style-type: none"> Stem Borer: For effective control of stem borer spray Fipronil 5% SC or Profenophos 50% EC @ 2ml/ltr of water. FAW: Apply Emamectin Benzoate 5% SG @ 2 ml/ 5 ltr of water to control FAW infestation.
Tomato (Flowering/Fruiting)	<p>Disease and Insect Management:</p> <ul style="list-style-type: none"> Fruit & Shoot borer: Spray Chlorantraniliprole 18.5% SC @ 3ml or Cyntraniliprole 10.26% OD @ 18 ml or Indoxacarb 14.5% SC @ 10 ml by mixing with 10 liters of water. Leaf blight: Spray Copper oxychloride 50% WP @ 3g /ltr of water.
Chilli (Vegetative/Flowering/ Fruiting)	<p>Disease and Insect Management:</p> <ul style="list-style-type: none"> Thrips/ Leaf curl virus: To manage thrips infestation install Blue sticky trap @ 8 nos./acre. For chemical control spray Emamectin Benzoate 5% SG @ 2 g or Fipronil 5% SC @ 10 ml or Imidacloprid 17.8% SL 1.5 ml by mixing with 5 ltrs of water. Fruit Borer: Install pheromone trap @ 8 nos./ac with Heli lure at vegetative stage and replace the lure after weeks.
Brinjal (Vegetative/Flowering/ Fruiting)	<p>Insect Management:</p> <ul style="list-style-type: none"> Fruit and Shoot borer: Install pheromone trap/Wata trap @ 8 nos. per acre area at vegetative stage and replace lure after 3 weeks. To control chemically, spray Spinosad 45% SC @ 5.5 ml by mixing with 15 liters of water or Thiodicarb 75 % WP @ 2ml/ltr of water.
Onion (Vegetative)	<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: 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.
Mango (Fruit Development)	<ul style="list-style-type: none"> For control of fruit drop in mango orchards, spray of 20 ppm Planofix @ 2ml/ 4.5 liters of water. To control fungal disease spraying of Karathane @ 5 ml per 10 litre of water is advisable.
Livestock	
Cattle & Buffalo	<ul style="list-style-type: none"> It is beneficial to add 5-10 % of fat in the diet of high yielding (10-15 ltr) cattle by reducing the fiber in the ration and add antioxidant like vitamin A & E in the diet. Sprinkle water over dairy cattle & buffalo twice or thrice a day to reduce their body temperature.
Goat & Sheep	<ul style="list-style-type: none"> Allow the goats & sheeps to graze only from 7-11 AM in the morning & 4-7 PM in the evening.
Poultry	<ul style="list-style-type: none"> Keep the curtains of poultry shed close during day time. If required, sprinkle water over them during day time for cooling effect.

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>)