



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



**Bulletin No.098/2023**

**WEEK NO. 49**

**Friday/Dt.08.12.2023**

**Weather Conditions recorded in last week at AMFU Bhawanipatna:**

Weekly Rainfall (mm) and rainy days	51.8/02
Cumulative Rainfall (mm) and rainy day (w.e.f. 01.01.2023)	1364.2/71
Mean weekly maximum temperature (°C)	26.9
Mean weekly minimum temperature (°C)	18.6

**Weather Forecast from 09.12.2023 to 13.12.2023 for Kalahandi District:**

As per IMD forecast dry weather is likely to prevail in next five days period. Sky may remain mainly clear to partly cloudy and wind may blow mainly from South Easterly to Southerly direction with the speed of 004 to 005 km/hr. The maximum and minimum temperature may remain 27 to 29 °C and 13 to 17 °C respectively. Maximum RH is expected to vary between 72 – 92 % and minimum RH between 31 – 55 %.

DISTRICT	Date	Rainfall (mm)	T-MAX (°C)	T-MIN (°C)	Cloud Cover	Rh Max (%)	Rh Min (%)	Wind speed (kmph)	Wind Direction (deg)
KALAHANDI	09-12-2023	1	27	17	4	92	55	5	116
	10-12-2023	0	28	15	3	83	47	5	198
	11-12-2023	0	29	14	3	78	38	4	158
	12-12-2023	0	29	13	2	75	34	5	162
	13-12-2023	0	29	13	3	72	31	5	171

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

**Agromet – Advisory Bulletin for Kalahandi District**

**General Advisory:**

- Farmers are advised for, not to burn the residue of kharif paddy in the fields because it not only pollutes the environment but also causes the severe health (respiratory) problems. Farmers are advised to mix the residue of paddy crop in the soil. It increases the soil fertility. It can be used as mulching for decreasing soil evaporation and to conserve soil moisture.
- Farmers are advised to undertake intercultural operations in vegetables to remove the weed. Application of optimum dose of fertilizers is recommended followed by irrigation in timely sown vegetables.
- There should be constant monitoring of leaf feeders in Cole crop. If pest population is above ETL spray Spinosad @ 1 ml/3 ltrs of water.
- In prevailing weather condition, infection of fungal blight may occur in potato and tomato due to high relative humidity. Farmers are advised to do constant monitoring in both the crops. If symptoms appear than spray of Dithane-M-45 @ 2.0 gm / ltr of water.

**Crop-Specific Advisory:**

**Paddy:**

- Harvest the crop when 80-85% of the grains are matured. Paddy grains need to be sun-dried to 12-14% moisture content for for better self-life. Drain out the water from paddy field, 15 days before harvesting the crop.
- Use “Super Grain Bag” for safe storage of harvested paddy for longer period of time. Pack each variety separately without mixing for better price of the produce.
- If infestation of the stored grain insect pest is noticed, use Aluminium phosphide tablets as fumigation @ of 3 tablets/ ton grain (total 9 gm of tablets) in fairly air tight containers or by covering with thick tarpaulin leaving no gaps. The tablets should be wrapped in cotton pouches before placing them in the stacks. All the corners of plastic cover should be plastered with 6-inch-thick layer of mud/ adhesive tapes to prevent leakage of gas. Don't use this tablet in dwelling houses. Minimum exposure period is for about 7-10 days.
- If ‘Rodent/Rats’ problem is noticed, locate the rodent burrow in the crop field and surrounding areas. Place Aluminium Phosphide 6% tablet @ One tablet (12 gm) per burrow and seal the burrow with mud which will kill the rodents.
- There may be presence of Ear Cutting Caterpillar in dry weather after the receding of rain. If noticed, spray Chlorpyrifos 20% EC @ 2.5ml/ltr of water.

**Cotton:**

- Collect and destroy the damaged bolls and plants due to pest and diseases.
- Picking should be done when there is complete bursting of bolls.



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- Dry the seed cotton on concrete floor or tarpaulin sheets to reduce the moisture to 8-10%. Store the seed cotton obtained from the 1st picking separately for getting better price.
- Apply NPK 19:19:19 fertilizer as foliar spray @50 g/10 litre of water after 1st picking for proper development of remaining bolls and growth of plants.
- Farmers are advised to sell their seed cotton in the nearby “Mandi” to get MSP (Rs.7020/qt) for long staple cotton..

**Groundnut:**

- Matured groundnut should be harvested immediately. Harvesting of pods should be done when moisture content is around 40-50% and it should be dried under direct sunlight for 3 days to bring moisture content below 10% for safe storage.
- Suitable time for sowing rabi groundnut. Treat the seed with Carbendazim 25% + Mancozeb 50% WS @ 3-3.5 g/kg seed before sowing and with Rhizobium culture @ 500g or 250 ml per 25 kg of seed at the time of sowing. Sowing of seed should be done at afternoon hours.
- **Suitable varieties:** Devi (ICGV-91114), Kadri-6, Kadri-9, TAG-51, TMV-2, Smruti (OG 52-1), CO-7, Dharani etc.
- **Seed rate:** 40-50 kg groundnut seed kernel per acre.
- **Nutrient Management:** Apply 40 kg DAP, 25 kg MOP and 12 kg Sulphur per acre before sowing.

**Arhar:**

- To control pod borer apply Benfuracarb 40% EC @5ml/ltr or Deltamethrin 2.8% EC @ 1ml/ltr or Spinosad 45% SC @ 1.5 ml/5 ltrs or Flubendiamide 39.35% SC @ 1ml/5 ltrs of water.
- To control Pod sucking bug and Aphid spray Thiamethoxam 25% WG @ 1g/5ltr of water or Imidacloprid 17.8% SL @ 3ml/10 ltrs of water

**Vegetable:**

**Tomato**

- **Nutrient Management:** Apply 66 kg DAP, 33 kg MOP and 80 kg Urea per acre. Apply 1/3<sup>rd</sup> of Urea + Full DAP + 1/2 MOP as basal.
- Spray Gibberellic acid 0.001% L @ 3.5 ml/10 ltrs of water at 45 & 60 DAS to obtain early and maximum yield.

**Cauliflower & Cabbage**

- **Nutrient Management:** Apply 26 kg DAP, 10 kg MOP, 15 kg Urea and 5kg Borax per acre as basal at the time of transplanting.
- Spray Gibberellic acid 0.001% L @ 3.5 ml/10 ltrs of water at 45 & 60 DAS to obtain early and maximum yield.
- **Dimond back moth:** Spray Fipronil 5% SC @ 2ml/ltr or Chlorpyriphos 20% EC @ 4ml/ltr of water.
- **Tobacco leaf eating caterpillar:** Spray Cyantraniliprole 10.26% OD @ 6ml/5 ltr of water.

**Chilli**

- **Suitable varieties:** HYVs-Utakala Abha, Utkala Rasmi, Utkala Ragini, Pusa Jwala, Pusa Sadabahar. **Hybrid-Jyoti, Agnirekha, Roshni, Tejaswini** etc,
- **Seed Rate:** 200g/acre for HYVs and 100g/acre for Hybrids.

**Livestock:**

- Provide concentrate feed to lactating animals for better production.
- Feed animals with a mixture of green grass + hay + minerals + dry feed. Provide clean drinking water. Vaccinate animals against foot & mouth disease (FMD).
- Make necessary arrangements to provide heat especially to chicks during night hours to reduce the mortality rate. Keep the poultry house clean and provide dry bedding materials.
- Protect Goat from chill wind and damp floors.

**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>)