



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



**Bulletin No.096/2023**

**WEEK NO. 48**

**Friday/Dt.01.12.2023**

**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. 01.01.2023)	1312.4/69
Mean weekly maximum temperature (°C)	29.7
Mean weekly minimum temperature (°C)	17.1

**Weather Forecast from 02.12.2023 to 06.12.2023 for Kalahandi District:**

A Well-Marked Low-Pressure Area over Southeast Bay of Bengal concentrated into a Depression and it is likely intensify into a Deep Depression by 2nd and further into a Cyclonic Storm around 3rd December. So, due to the effect of cyclonic storm light to moderate rain may occur from 04.12.2023 to 06.12.2023. Sky may remain partly cloudy to generally cloudy and wind may blow mainly from North Easterly to Easterly direction with the speed of 007 to 009 km/hr. The maximum and minimum temperature may remain 27 to 32 °C and 17 to 20 °C respectively. Maximum RH is expected to vary between 73 – 97 % and minimum RH between 29 – 83 %.

DISTRICT	Date	Rainfall (mm)	T-MAX (°C)	T-MIN (°C)	Cloud Cover	Rh Max (%)	Rh Min (%)	Wind speed (kmph)	Wind Direction (deg)
KALAHANDI	02-12-2023	0	32	17	3	73	29	7	90
	03-12-2023	0	31	17	3	75	31	9	103
	04-12-2023	5	30	18	5	80	49	8	72
	05-12-2023	10	29	20	6	96	77	8	66
	06-12-2023	20	27	20	7	97	83	7	36

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

**Agromet – Advisory Bulletin for Kalahandi District**

**General Advisory:**

- In view of light to moderate rain in coming days mature produces should be harvested soon.
- Paddy should be harvested if 80-85% of the grains are matured.
- Matured cotton boll should be harvested to retain the quality of the cotton.
- Vegetable nurseries should be protected from direct impact of rain by covering plastic or polythene sheet.
- Make provision for draining out excess water by keeping drain ends open.
- Provide staking to the plants where it is necessary.

**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.
- Store the harvested paddy in Super Grain bag for retaining the quality texture, colors, aroma, fragrance and taste of the commodities for longer period of time a safer place (properly stacked with suitable cover) to avoid damage.
- Pack each variety separately without mixing for better price of the produce.

**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.
- 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 proper price.

**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.



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- 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.

**Sunflower:**

- **Nutrient Management:** Apply half dose of Urea (Inbred-6kg/ac, Hybrid-12kg/ac) as 1<sup>st</sup> top dressing before first irrigation.
- **Irrigation:** Apply irrigation at bud initiation, flowering and grain filling stage.
- **Powdery Mildew:** Spray 0.2% wettable sulphur @ 400g/acre by mixing with 200 ltrs of water.

**Toria & Mustard:**

- **Nutrient Management:** For one acre area apply 55kg Urea + 10kg MOP in Mustard and 40kg Urea+5kg MOP in Toria before first irrigation.
- **Irrigation:** It should be provided at peak flowering stage and silique formation stage.
- To control Aphid infestation spray Thiamethoxam 25% WG @ 1g/5ltr of water or Imidacloprid 17.8% SL @ 3ml/10 ltrs of water

**Green gram & Black gram:**

- **Nutrient Management:** For one acre area apply 35kg DAP and 13kg MOP under irrigated condition and 25kg DAP + 7kg MOP under rainfed condition as basal.

**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:**

**Onion**

- **Suitable variety:** Bhima Raj, Bhima dark red, Bhima Sweta, Bhima Subhra, Bhima Safed, Agrifound Dark Red, Bhima Shakti, Bhima Super, Arka Niketan etc. are suitable cultivar for winter season.
- **Seed rate:** 4 kg/acre

**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 Chlorpyrifos 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.
- Protect Goat from chill wind and damp floors.
- The livestock and poultry shed need to be repaired before winter to protect from low night temperature. The shed may be covered with polythene sheet or gunny cloth to obstruct the flow of wind.
- 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.

**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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