



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



Bulletin No.100/2023

WEEK NO. 50

Friday/Dt.15.12.2023

Weather Conditions recorded in last week at AMFU Bhawanipatna:

Weekly Rainfall (mm) and rainy days	0/0
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)	13.5

Weather Forecast from 16.12.2023 to 20.12.2023 for Kalahandi District:

As per IMD forecast dry weather is very likely to prevail in next five days period. Sky may remain clear to partly cloudy and wind may blow mainly from South Easterly to Southerly direction with the speed of 004 to 006 km/hr. The maximum and minimum temperature may remain 26 to 27 °C and 10 to 12 °C respectively. Maximum RH is expected to vary between 47 – 70 % and minimum RH between 24 – 32 %.

DISTRICT	Date	Rainfall (mm)	T-MAX (°C)	T-MIN (°C)	Cloud Cover	Rh Max (%)	Rh Min (%)	Wind speed (kmph)	Wind Direction (deg)
KALAHANDI	16-12-2023	0	27	11	0	70	32	4	169
	17-12-2023	0	27	12	0	69	30	5	180
	18-12-2023	0	27	12	4	70	31	5	144
	19-12-2023	0	27	11	4	54	29	6	135
	20-12-2023	0	26	10	1	47	24	6	158

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

Agromet – Advisory Bulletin for Kalahandi District

General Advisory:

- Provide light irrigation to standing crops & vegetables during morning hours to prevent damage from fog, low temperature and moisture stress.
- Cover the vegetables nursery with polythene to avoid poor germination due to low temperature.
- 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.
- Pulses like lentil/black gram/green gram/Chick pea can be broadcasted as paira crop in the standing matured crop (Rice) 7-10 days before harvesting to utilize the residual moisture in the soil in suitable areas.
- Vaccinate animals against FMD, BQ, HS, PPR & Goat Pox.

Crop-Specific Advisory:

Paddy:

- This is the right time for nursery preparation for rabi season. 10 decimal of nursery area is required to cultivate one acre of paddy. Arrange suitable high yielding varieties like MTU 1010, MTU 1001, DRR 44, Sahabhagi Dhan, Lalat, Improved lalat, Mandakini, Bina 11 etc. Treat the seeds with 2g Carbendazim or 3g Carboxin or Thiram per 1kg of seed before sowing in the nursery.
- Harvest the crop when 80-85% of the grains are matured. Paddy grains need to be sun-dried to 12-14% moisture content for better self-life. Drain out the water from paddy field, 15 days before harvesting the crop.
- 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.
- 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.



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Cotton:

- 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.
- Farmers are advised to sell their seed cotton in the nearby “Mandi” to get MSP (Rs.7020/qt) for long staple cotton.

Groundnut:

- This is the right time for sowing summer 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.

Sunflower:

- **Nutrient Management:** Apply half dose of Urea (Inbred-6kg/ac, Hybrid-12kg/ac) + half dose of MOP (Inbred-10 kg/ac, Hybrid-20 kg/ac) as 2nd top dressing at second irrigation.
- **Sucking pest complex (Aphid, Hopper, Thrips & White fly):** Need based spray of Acetamiprid @ 60g/acre or Thiamethoxam @ 80g/acre by mixing with 200 ltrs of water.
- **Powdery mildew:** Spray 0.2% wettable sulphur @ 2g /ltr of water.
- Sowing should be completed by first fortnight of January in case of summer crop.

Vegetable:

Tomato

- **PGR:** Spray Alpha Naphthyl Acetic Acid 4.5% SL (Na salt) @ 4.5 ml/ 10 ltrs of water for two times at flowering stage to obtain early and maximum yield.
- **Fruit & Shoot borer:** Install pheromone trap @ 2nos/acre or intercropping with one row Merigold in between every 15 rows of tomato.
- **Powdery mildew:** Spray 0.2% wettable sulphur @ 2g /ltr of water.
- **Wilting & Leaf blight:** Spray carbendazim @ 1g /ltr + Plantomycin @ 1g/ltr at the root zone.

Cauliflower & Cabbage

- **PGR:** 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.

Livestock:

- **Cattle & Buffalo:** Provide sufficient green grass. Lactating animals should be provided with concentrate mix for better production.
- **Poultry:** Make necessary arrangements to provide heat especially to chicks during night hours to reduce the mortality rate. Make proper brooding arrangement for chicks. Keep the poultry house clean and clamp free.
- **Goat:** Protect from chill wind and damp floors in winters.

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).

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