



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



Bulletin No.104/2023

WEEK NO. 52

Friday/Dt.29.12.2023

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)	27.2
Mean weekly minimum temperature (°C)	11.1

Weather Forecast from 30.12.2023 to 03.01.2024 for Kalahandi District:

As per IMD forecast dry weather is very likely to prevail in next five days period. Sky may remain mainly clear to partly cloudy and wind may blow mainly from Southerly direction with the speed of 005 to 006 km/hr. The maximum and minimum temperature may remain 28 to 29 °C and 12 to 13 °C respectively. Maximum RH is expected to vary between 67 – 82 % and minimum RH between 25 – 30 %.

DISTRICT	Date	Rainfall (mm)	T-MAX (°C)	T-MIN (°C)	Cloud Cover	Rh Max (%)	Rh Min (%)	Wind speed (kmph)	Wind Direction (deg)
KALAHANDI	30-12-2023	0	28	13	2	82	30	5	162
	31-12-2023	0	28	12	1	80	28	5	162
	01-01-2024	0	29	13	1	76	27	5	158
	02-01-2024	0	29	13	1	71	26	5	169
	03-01-2024	0	28	13	4	67	25	6	158

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

Agromet – Advisory Bulletin for Kalahandi District

General Advisory:

- Install pheromone traps @ 3-4 traps per acre to monitor the pest population of diamond back moth in cole crop, pod borer in pea and fruit borer in tomato.
- If symptoms of termite or white ants are appearing in crop fields than application of mixture of 8 kg sand with Chlorpyriphos 20 EC @ 800 ml should be done in evening hours and subsequent irrigation is recommended.
- 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.
- Farmers are advised not to burn the residue of kharif paddy in the field rather try to incorporate into the soil by ploughing.
- Wrapping of plastic sheets around mango trunk should be done for preventing climbing of young mealy bugs.
- Vaccinate animals against FMD, BQ, HS, PPR & Goat Pox.

Crop-Specific Advisory:

Dry Season Paddy:

Transplanted Rice Nursery:

- Prepare nursery for rabi season in 10 decimal of nursery area for one acre of paddy.
- **Suitable Varieties:** Arrange suitable high yielding varieties like MTU 1010, MTU 1001, DRR 44, Sahabhagi Dhan, Lalat, Improved lalat, Mandakini, Bina 11 etc.
- **Seed treatment:** Treat the seeds with 2g Carbendazim or 3g Carboxin or Thiram per 1kg of seed before sowing in the nursery.
- **Nursery Care:** To protect the rice nursery from cold injury, apply a thin layer of well decomposed FYM after sowing of seeds in wet bed to keep the bed relatively warm. Preferably use bore well water for irrigation at evening and drain out the cold water at morning to maintain the soil temperature favourable for growth. In severe cold affected areas use polythene cover at night time.
- **Nutrient Management:** Apply 13-15 kg DAP and 10-12 kg MOP along with 200 kg of FYM and 200 g Zn per 10 decimal as basal dose for healthy production of seedlings

Wet Direct seeded Rice:

- Complete the sowing of pre-germinated treated seeds in puddled soil by broadcasting or drum seeder and maintain a thin film of water for proper establishment and early growth of seedlings.
- **Nutrient Management:** Apply 44 kg of DAP and 33 kg of MOP per acre as basal dose at the time of puddling.
- **Weed Management:** Spray Pyrazosulfuron-ethyl 10% WP (Sathi) @ 80g/acre at 3-5 days after sowing (DAS) in 130 litres of water when there is thin film of soil moisture or broadcast ready mix Bensulfuron methyl + Pretilachlor granular herbicide mixed with 4 kg of sand.



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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%.
- 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.
- **Seed Treatment:** 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 per acre before sowing along with Gypsum @ 1qt/ac as basal.

Arhar:

Control measures for Insects:

- **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.
- **Pod sucking bug and Aphid:** Spray Thiamethoxam 25% WG @ 1g/5ltr of water or Imidacloprid 17.8% SL @ 3ml/10 ltrs of water.

Control measures for Diseases:

- **Yellow Mosaic Virus:** Spray Imidacloprid 17.8% SL @ 1ml/3 ltr of water or Thiamethoxam 25% WG @ 1g/5 ltr of water.
- **Root Rot:** Spray Validamycin 3% L @ 2ml/ltr of water or Carbendazim 50% WP @ 2g/ltr 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.

Disease and Insect Management:

- **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.

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.

Disease and Insect Management:

- **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.

Disease and Insect Management:

- **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.
- **Cabbage Aphid:** Spray Thiamethoxam 25% WG @ 2g/5ltr of water.

Brinjal

- **PGR:** Spray Gibberellic acid 0.001% L @ 1 ml/ ltrs of water at 35 & 70 DAS to obtain early and maximum yield.

Insect Management:

- **Fruit and Shoot borer:** Install pheromone trap/Wata trap @ 8 nos. per acre area at vegetative stage and replace lure after 3 weeks.

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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