



GRAMIN KRISHI MAUSAM SEWA
INDIA METEOROLOGICAL DEPARTMENT
NORTH EASTERN GHAT ZONE
RRTTS, G. UDAYAGIRI, OUAT, KANDHAMAL, ODISHA-762100
MULTIMODEL ENSEMBLE BASED DISTRICT LEVEL WEATHER FORECAST
FOR THE STATE: ODISHA
ISSUED ON: 22.12.2023 VALID TILL 08:30 IST OF THE NEXT 5 DAYS

Sri Rahul Kumar Sahu
Jr. Agrometeorologist

Week No. 51

Dt: 22.12.2023
Bulletin No.102

Forecast (up to 27.12.2023)
Given by Met. Center IMD, Bhubaneswar

DISTRICT: KANDHAMAL – As per the IMD forecast, the district is likely to receive no rainfall in next five days with clear to partly cloudy sky. The wind is likely to remain within 4-5 km/hr. The maximum temperature and minimum temperature will likely to remain between 24-25°C and 7-10°C respectively. The Maximum Relative Humidity and Minimum Relative Humidity will likely to remain between 70-81% and 22-33% respectively for next five days.

DISTRICT	Date	Rainfall (mm)	T-MAX (C)	T-MIN (C)	Cloud Cover	Rh Max (%)	Rh Min (%)	Wind speed (kmph)	Wind Direction (deg)
PHULBANI	23-12-2023	0	24	7	2	70	22	5	158
	24-12-2023	0	25	9	2	81	33	5	148
	25-12-2023	0	25	9	1	73	29	5	148
	26-12-2023	0	25	10	3	73	27	4	156
	27-12-2023	0	25	10	3	75	26	5	163

Agromet Advisory

- The lowest temperature in G. Udayagiri has been recorded in between 4-5 degree Celsius for last 2-3 days and other parts of Kandhamal also experiencing such cold, so there is a chance of frost damage in vegetables and fruit crops.
- To prevent frost damage, cover the fruiting crops with polythene or used bedsheets or commercially available frost cover or smoke can be blown to keep the temperature above frost formation (4 degree Celsius).
- To control *spotted pod borer* in Arhar, use bird perches @50/hacter, use Azadirachtin 0.03% WSP or use NSKE 5% or neem oil 2%.
- Spray GA3 in tomato to get early flowers.
- In Safflower to control the fruit borer, spray Indoxacarb@200ml in 200 liters of water for one acre.
- Spray Boron and Aluminum during the head emergence stage to increase the quality of fruit and selling value.

- The large ventilation spaces in cow shed must be closed in night, as the night temperature is falling.

Arhar:

- Arhar is in late flowering to pod formation stage
- There are instances of *spotted pod borer*
- Use bird perches @50/hacter
- Use Azadirachtin 0.03% WSP.
- Or use NSKE 5% or neem oil 2%.



Spotted pod borer



Azadirachtin

Sweet Potato:

- Vine lifting is an important process in the development of sweet potato.
- It is done 2-3 weeks after vine sowing.
- It is done to prevent root formation in shoots that are coming in contact with soil.

Tomato:

- Spray GA3 during flowering to get early flowers.
- When the fruits begin to ripe, spray Ethrel 1ml/lit to get evenly and early ripening.



GA3-Hormone

SAFFLOWER –

- In Safflower to control the fruit borer, spray Indoxacarb@200ml in 200 liters of water for one acre.



Indoxacarb

Broccoli –

- Spray Boron and Aluminum during the head emergence stage to increase the quality of fruit and selling value.

Animal husbandry:

- The large ventilation spaces in cow shed must be closed in night, as the night temperature is falling. Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10%-20% in the daily ration during winter season to meet the energy requirement of the animals.

For better agriculture benefits use, OUAT KALINGA products (Seedling, Sampling & QPM, Tissue Culture Plants, Fruits and Vegetables, Value added products, Fingerlings/Yearlings, Poultry chicks, Breeds, Mushroom and Spawns, Bio-fertilizers, Bio-pesticides, Vermi & Vermi Compost).

ASSOCIATE DIRECTOR OF RESEARCH & NODAL OFFICER