

**UNIVERSITY OF AGRICULTURAL SCIENCES, BENGALURU &  
INDIAN METEOROLOGICAL DEPARTMENT**



**GRAMIN KRISHI MAUSAM SEWA  
AMFU, OFRS, NAGANAHALLI,  
MYSURU - 570003**



**Date: 12-01-2024**

**AGRO-ADVISORY BULLETIN FOR MANDYA DISTRICT**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

<b>Past Weather Data</b>			
<b>Parameter</b>	<b>10.01.2023</b>	<b>11.01.2024</b>	<b>12.01.2024</b>
Rainfall (mm)	0	0	0
Max. Temp. (°C)	26.6	29	32
Min. Temp. (°C)	16.8	16.9	16.4
Sky condition (Octas)	6	8	6
Relative humidity (%) 0830 hours	90	82	87
Relative humidity (%) 1730 hours	72	57	38
Wind Speed (km/h)	6	6	6
Wind Direction	50	50	50

**Weather forecast for the next five days (From 13-01-2024 to 17-01-2024)**

<b>Parameter</b>	<b>13.01.2024</b>	<b>14.01.2024</b>	<b>15.01.2024</b>	<b>16.01.2024</b>	<b>17.01.2024</b>
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	28	29	29	29	29
Min.Temp (°C)	17	17	17	17	17
Sky condition (Octas)	4	3	3	3	3
Relative humidity (%) 0830 hours	87	87	87	87	87
Relative humidity (%) 1730 hours	38	38	38	38	38
Wind Speed (kmph)	5	4	3	3	3
Wind Direction	103	112	90	112	154

**Forecast Summary**

As forecast received from IMD, Cloudy sky with no rainfall may be expected from 13.01.2024 to 17.01.2024 in Mandya district. The day temperature is expected to be 28-29°C & night temperature is expected 17°C. The relative humidity in the morning hours is expected to be 87% & afternoon relative humidity is expected to be in the range of 38% per cent. Wind speed expected to be 3-5 km/hr.

**Recommendations to the farmers:**

Crop	Pest/Disease	Damage symptoms	Control measures
<ul style="list-style-type: none"> <li>No rainfall expected for next 3-5 days. Farmers are advised to go for harvesting of Agriculture Crops which attained the maturity.</li> <li>The grains of the harvested crops should be properly dried by retaining moisture percentage as mentioned below for long storage &amp; also minimize the store pest damage Cereals 11-12 %, Pulses-9%, Oil seeds-8% and Vegetable seeds 5-6%.</li> </ul>			
<ul style="list-style-type: none"> <li>Farmers are advised to take up the sowing of pulses like black gram, green gram and also the green manure crop sun hemp to utilize residue moisture after harvest of the paddy in Paddy field.</li> <li>In paddy fields where there is no residue moisture, in such fields farmers can take up deep ploughing, so that the soil pathogens will die and in turn it will help to reduce pest incidence for the next paddy crop and which will facilitate conservation of rainwater.</li> </ul>			
Cucurbits (cucumber and pumpkins)	Downy mildew and Powdery mildew	<p><b>Downy mildew:</b> Cone shaped yellow spots noticed on leaves. To manage this disease Spray 2.0 g. Metalaxyl + Mancozeb per litre of water.</p> <p><b>Powdery mildew:</b> Small sized ashy white fungal growth on leaves, under severe infestation drying of leaves. To manage this disease spray 1.0 g Carbendazim 50 WP or 1.5 g. Dinocap in a lit. water. 200 lit spray solution required/acre. If disease persists, spray at an interval of two weeks.</p>	
Redgram	Pod borer	Caterpillar bore the flower buds and pods, presence of small circular hole on infested pods, dropping of infested flower buds. If infestation occurs spray 0.5 ml. Indoxacarb 14.5 SC or 0.5 ml chlorantraniliprole 18.5 S.C. during flowering and pod initiation stage.	
Sugarcane	Trash management	<p>Sugarcane trash can be converted into compost or spread the trash in alternate rows and give irrigation, apply 15 kg urea with 5% cow dung slurry and sprinkle on trash.</p> <p>Application of fluorotous microbes at 5 kg /acre on trash or 1 -1.5 t press mud will enhance the fast degradation of trash.</p>	
Coconut	Rugose whitefly	<p>The immature and adult whiteflies have a sucking feeding habit, feeding on the under surfaces of the leaflets. Extensive feeding of the insect leads to the excretion of honey dew which encourages growth of the fungus Capnodium sp. which affects the photosynthetic efficiency of the plant.</p> <p>Sooty mould (Capnodium sp.) growth on the leaf surface can be flaked out by spraying 2.5% of maida paste solution mixed with detergent/ Khadi soap @ 5g/ l.</p> <p>In severe cases, spray only neem oil 0.5% or NSKE 5% and avoid spraying any form of insecticides.</p>	
Animals,	Due to low temperature in morning and night hours, Maintain the optimum room		

**Sericulture  
and Poultry**

**temperature in Sericulture, Poultry and Dairy unit by providing electric bulb for creating warm room temperature.**

- Download “**DAMINI**” app to get early warning on lightening and take precautions based on the alert given by the application.
- Kindly download ”**MAUSAM**” APP for location specific forecast & warning &“**MEGHDOOT**” APP for Agromet advisory
- This information is available in the website: [mausam.imd.gov.in](http://mausam.imd.gov.in)

For any information farmers can contact **Dr.C.Ramachandra**, Senior Farm Superintendent/ **Dr. Sumanth Kumar.G.V**, Research Assocateover phone No. 0821-259126/ 9535345814.

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