

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



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



Date: 02-01-2024

AGRO-ADVISORY BULLETIN FOR MANDYA DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data			
Parameter	31.12.2023	01.01.2024	02.01.2024
Rainfall (mm)	0	0	0
Max. Temp. (°C)	31	30.6	29.6
Min. Temp. (°C)	14.9	14.8	18.6
Sky condition (Octas)	4	4	8
Relative humidity (%) 0830 hours	90	84	86
Relative humidity (%) 1730 hours	-	51	53
Wind Speed (km/h)	6	4	0
Wind Direction	50	50	0

Weather forecast for the next five days (From 03-01-2024 to 07-01-2024)

Parameter	03.01.2024	04.01.2024	05.01.2024	06.01.2024	07.01.2024
Rainfall (mm)	1	0	1	1	1
Max. temp (°C)	30	30	29	29	29
Min.Temp (°C)	18	18	17	17	17
Sky condition (Octas)	4	4	5	5	5
Relative humidity (%) 0830 hours	86	86	86	89	89
Relative humidity (%) 1730 hours	53	53	53	55	55
Wind Speed (kmph)	2	1	3	2	3
Wind Direction	108	111	108	108	108

Forecast Summary

As forecast received from IMD, Cloudy sky with very light rainfall may be expected from 03.01.2024 to 07.01.2024 in Mandya district. The day temperature is expected to be 29-30°C & night temperature is expected 17-18°C. The relative humidity in the morning hours is expected to be 86-89% & afternoon relative humidity is expected to be in the range of 53-55% per cent. Wind speed expected to be 1-3 km/ hr.

Recommendations to the farmers:

Crop	Pest/Disease	Damage symptoms	Control measures
<ul style="list-style-type: none"> • Very light rainfall may be expected for next 3-5 days farmers are advice to take up precautionary measures while harvesting crops. • The grains of the harvested crops should be properly dried by retaining moisture percentage as mentioned bellow for long storage & also minimize the store pest damage Cereals 11-12 %, Pulses-9%, Oil seeds-8% and Vegetable seeds 5-6%. 			
<ul style="list-style-type: none"> • 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. • 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. 			
Cucurbits (cucumber and pumpkins)	Downy mildew and Powdery mildew	<p>Downy mildew: Cone shaped yellow spots noticed on leaves. To manage this disease Spray 2.0 g. Metalaxyl + Mancozeb per litre of water.</p> <p>Powdery mildew: 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	<p>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 bod initiation stage.</p>	
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. 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. 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. 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

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

**AMFU of IMD,
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