



UNIVERSITY OF AGRICULTURAL SCIENCE, BENGALURU  
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AMFU OF IMD, BENGALURU



**AGROMET-ADVISORY BULLETIN**

Date: **20.02.2024**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

**The forecast is valid for Bengaluru urban district.**

**Significant past weather for the preceding week**

Parameter	16.02.2024	17.02.2024	18.02.2024	19.02.2024	20.02.2024
Rainfall (mm)	0	0	0	0	0
Max. temp(°C)	31.6	31.8	31.0	31.4	30.8
Min.Temp(°C)	19.4	18.4	18.2	18.4	18.0
Sky condition(Octas)	0	0	0	0	0
Relative humidity(%) 0830 hours	76	81	78	81	79
Relative humidity(%) 1730 hours	42	41	40	41	--
Wind Speed (kmph)	9.2	9.6	9.0	9.2	9.0
Wind Direction	140	140	90	180	140

**Weather forecast (Valid from 21-02-2024 to 25-02-2024)**

Forecast summary:

Parameters	21.02.2024	22.02.2024	23.02.2024	24.02.2024	25.02.2024
Rainfall (mm)	0	0	0	0	0
Max Temp Trend ( °C)	33	32	32	32	32
Min Temp Trend ( °C)	18	18	18	18	18
Total cloud cover (octa)	2	2	2	1	2
Relative humidity (%)Max	59	59	59	57	57
Relative humidity (%)Min	14	14	14	12	12
Wind speed(Km/hr)	5	4	3	5	4
Wind Direction (Degrees)	150	214	261	248	158

No rain forecasted by IMD, Bangalore during next 5 days. The Maximum temperature ranges from 32.0-33.0°C and Minimum of 18.0°C. Relative humidity 57-59 % during morning hrs and 12-14 % during noon is expected. Wind speed is 3-5 km/hr.

**Weather Based Agro Advisories**

**Crop information and Crop Stages of the major Kharif/Rabi crops**

District	Kharif crops				Horticulture crops	
	Groundnut	Redgram	Finger millet	Maize	Grape	Mango
Bangalore Urban (BU)	--	-	-	--	-	FD

G: Germination, S: Sowing, EV: Early vegetative, VG: Vegetative growth, TR: Tranplanting, PI: Peg initiation, FLI: Flag leaf initiation, F: Flowering, PF: Pod formation, PM: Pod Maturity, T: Tillering,, Ts: Taselling, E: Ear head emergence, GF: Grain filling, H: Harvesting  
IBI: Inflorescence Bud initiation , PP(V): Pod Picking Vegetable , F& FS: Flowering to fruit setting, FD: Fruit Development, H: Harvesting, M: Maturation, B: Branching

### Agromet Advisory:

<b>Crop/ Component</b>	<b>Stage/ Condition</b>	<b>Pest and Disease</b>	<b>Agro advisories</b>
<b>General</b>			<ol style="list-style-type: none"><li>1. One or two protective irrigation required for mango and other horticultural plantation to protect from fruit drop due to successive dryspells.</li><li>2. Due to continuous dry spell since December month, the termite attack is common in horticulture and Forestry tree and shrubs hence control to apply Aldrin termiticides for control of termites.</li><li>3. Continue the harvesting Rabi crops.</li><li>4. Carry out threshing of the harvested crops, the grains should be dried by retaining moisture percentage of cereals to 11-12 % , Pulses-9%, Oilseeds-8% and Vegetable seeds 5-6% for long storage &amp; also minimize the store pest damage.</li></ol>
<b>Horticulture crop</b>			
<b>Mango</b>	Fruit Development stage (Marble stage)		<ol style="list-style-type: none"><li>1. Dropping of fruits in mango trees was noticed. To manage this by giving adequate quantity of irrigation water (go for drip irrigation where ever it possible) at marble stage.</li><li>2. To control the malformation, thorough pruning of affected flowers parts between trees to reduces the spread of pests and disease and spray Carbendazim @ 1 g/L to control disease</li><li>3. Warm humid weather (64 -72 %) and low night temperature (11-14 °C ) favorable for development of powdery mildew in mango.</li><li>4. To control Powdery mildew in mango Spray Lamda Cyhalothrin 5EC @ 0.5 ml/ litre of water or sulphur dust (SULTAF) 80 W @3g/litre of water.</li></ol>
<b>Animal Husbandry</b>			
			<ul style="list-style-type: none"><li>➤ Preparation of silage from the harvested maize and other pulse crops available to overcome shortage of green fodder.</li><li>➤ Proper ventilation should be maintained for free circulation of air in the sheds. Keep the cattle shed clean.</li></ul>

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Bengaluru**

**Important Note:** Farmers are informed to use the APPs & Videos related to Weather information: MEGHDOOT, MAUSAM AND DAMINI APPS. This information is available in the website: [mausam.imd.gov.in](http://mausam.imd.gov.in)