



UNIVERSITY OF AGRICULTURAL SCIENCE, BENGALURU
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AMFU OF IMD, BENGALURU



AGROMET-ADVISORY BULLETIN

Date: **25.08.2023**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

The forecast is valid for Bengaluru urban district.

Significant past weather for the preceding week

Parameter	21.08.2023	22.08.2023	23.08.2023	24.08.2023	25.08.2023
Rainfall (mm)	0	0	0	0	0
Max. temp(°C)	29.6	30.0	31.4	32.0	30.0
Min.Temp(°C)	19.2	20.6	21.2	21.0	19.2
Sky condition(Octas)	2	4	2	2	2
Relative humidity(%) 0830 hours	84	83	84	91	81
Relative humidity(%) 1730 hours	50	54	53	56	--
Wind Speed (kmph)	5.7	3.9	4.0	4.1	4.7
Wind Direction	320	320	320	230	230

Weather forecast (Valid from 26-08-2023 to 30-08-2023)

Forecast summary:

Parameters	26.08.2023	27.08.2023	28.08.2023	29.08.2023	30.08.2023
Rainfall (mm)	5	5	4	3	3
Max Temp Trend (°C)	30	29	29	29	29
Min Temp Trend (°C)	23	24	24	24	24
Total cloud cover (octa)	6	6	6	6	6
Relative humidity (%)Max	93	93	93	93	93
Relative humidity (%)Min	76	76	76	76	76
Wind speed(Km/hr)	2	2	2	1	2
Wind Direction (Degrees)	153	135	289	124	117

Light rain forecasted by IMD, Bangalore during next 5 days. The Maximum temperature ranges from 29.0-30.0°C and Minimum of 23.0-24.0°C. Relative humidity 93 % during morning hrs and 76 % during noon is expected. Wind speed is 1-2 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)	F,PI	V	S,G,EV	V	-	-

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:

Crop/Component	Stage/Condition	Pest and Disease	Agro advisories
General			<ul style="list-style-type: none"> Magha rainstar starts from August 17th and remains up to August 30th. The normal rainfall of Magha rainstar is 62.8 mm One or two protective irrigation recommended due to prolonged dry spells. Lack of soil moisture observed in crop field. Intercultural operation

		<p>recommended to conserve soil moisture and remove of weeds.</p> <ul style="list-style-type: none"> • Mulching is recommended for conserve the soil moisture due to dry spells over the Kharif crops
Kharif crops	Early vegetative, Vegetative stage and Flowering stage	<p>The following crops are suggested for sowing.</p> <p>Finger millet : GPU-26,28,66 HR-911,KMR-204, ML-365 Cowpea: TVX-944, KBC-1, Green gram: PS-16, PDM-84,178 Black gram: Karagao-3, T-9, Rashmi (LBG-625).</p> <ul style="list-style-type: none"> • Earthing up makes better availability of soil moisture to the crop rows through conversion of the land into ridges and furrow system. • Wherever over population of crop plants is existing, undertake thinning operation for better availability of scarce soil moisture to the reduce population of crop plants. • Apply the recommended dose of Gypsum in Groundnut crop at the time of flowering
Horticulture crop		
Mango		<ul style="list-style-type: none"> ➤ Deep ploughing is recommended in mango orchard. Rainwater harvesting through opening circular trenches around the tree at a distance of 6 feet and width at 9 inches, as well as depth and mulching the trenches with dry mango and green leaf manuring helps in retaining sufficient soil moisture in soil.
Animal Husbandry		
Dairy		<ul style="list-style-type: none"> ➤ Vaccinate the cow against the Haemorrhagic Septecemia (HS) and Black Quarter (BQ) Disease at the age of six month old calf. <p>Feeding of lactating cow</p> <ul style="list-style-type: none"> ➤ Proper feeding of dairy cattle should envisage minimum wastage of nutrients and maximum returns in respect of milk produced. ➤ A concentrate mixture made up of protein supplements such as oil cakes, energy sources such as cereal grains (Maize, Jowar), tapioca chips and laxative feeds such as brans (rice bran, wheat bran, gram husk) is generally used. ➤ Mineral mixture containing major and all the trace elements should be included at a level of 2 percent. ➤ Dietary fiber for milking cow should be 17 % and NDF (Neutral Detergent Fiber) 22 %

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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