



UNIVERSITY OF AGRICULTURAL SCIENCE, BENGALURU
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AMFU OF IMD, BENGALURU



AGROMET-ADVISORY BULLETIN

Date: **03.10.2023**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

The forecast is valid for Bengaluru urban district.

Significant past weather for the preceding week

Parameter	29.09.2023	30.09.2023	01.10.2023	02.10.2023	03.10.2023
Rainfall (mm)	4.6	0	1.4	0	0
Max. temp(°C)	29.8	31.0	30.0	29.0	30.4
Min.Temp(°C)	20.0	19.8	19.8	19.2	21.0
Sky condition(Octas)	2	2	4	2	2
Relative humidity(%) 0830 hours	90	83	83	88	82
Relative humidity(%) 1730 hours	74	62	54	60	--
Wind Speed (kmph)	3.8	6.8	7.7	7.7	9.4
Wind Direction	230	320	230	230	230

Weather forecast (Valid from 04-10-2023 to 08-10-2023)

Forecast summary:

Parameters	04.10.2023	05.10.2023	06.10.2023	07.10.2023	08.10.2023
Rainfall (mm)	1	1	1	0	0
Max Temp Trend (°C)	29	29	28	28	28
Min Temp Trend (°C)	20	20	20	20	20
Total cloud cover (octa)	5	5	5	5	4
Relative humidity (%)Max	76	76	76	74	74
Relative humidity (%)Min	55	55	55	53	53
Wind (Km/hr)	7	7	7	6	6
Wind Direction (Degrees)	281	288	287	287	279

Light rain forecasted by IMD, Bangalore during next 5 days. The Maximum temperature ranges from 28.0-29.0°C and Minimum of 20.0°C. Relative humidity 74-76 % during morning hrs and 53-55 % during noon is expected. Wind speed is 6-7 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)	PI,PF	F,PF	EV,V,E	Ts,CI,M	-	-

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"> Hasta rainstar starts from September 27th and remains up to October 10th. The normal rainfall of Hasta rainstar is 105.8 mm Intercultural operation recommended for conserving soil moisture and removal of weeds. Mulching is recommended to conserve the soil moisture in standing

		crops.
Kharif crops	Vegetative stage and Flowering stage	<p>The following crops are suggested for sowing.</p> <p>Finger millet Ragi (Indaf-5, 7,9, ML-365, KMR-301), Horse gram-PHG-9, KBH-1 , Niger, Field bean-HA-3 and 4 and sunflower-KBSH-1,41,42, 44 & 53, cowpea (KBC-1, TVX-944 and PKB-4 for vegetable purpose).</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. • To control leaf folder insect in Redgram spray Methomyl 40SP , 2 gram/litre of water before flowering of crop. • Wilt disease noticed: Redgram field-Drench with Carbendazim 50 WP 2 g/litre of water. • For Biological control of pod borer insect in Redgram 200 LE/acre HANPV 400 litre with teepol (1 ml/lit.). Pheromone traps for <i>Helicoverpa armigera</i> 12/ha • Remove and burn the infected Wilt diseased Redgram plant in field.
Animal Husbandry		
Dairy		<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