



UNIVERSITY OF AGRICULTURAL SCIENCE, BENGALURU
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AMFU OF IMD, BENGALURU



AGROMET-ADVISORY BULLETIN

Date: **23.10.2023**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

The forecast is valid for Chikkaballapur district

Weather forecast (Valid from 24-10-2023 to 28-10-2023)

Forecast summary:

Parameters	24.10.2023	25.10.2023	26.10.2023	27.10.2023	28.10.2023
Rainfall (mm)	0	0	0	0	0
Max Temp Trend (°C)	32	32	32	32	32
Min Temp Trend (°C)	17	17	18	18	18
Total cloud cover (octa)	6	4	1	1	1
Relative humidity (%) Max	57	55	73	84	90
Relative humidity (%) Min	35	32	31	36	41
Wind speed (Km/hr)	8	6	7	9	10
Wind Direction (Degrees)	116	105	34	75	75

No rain forecasted by IMD, Bangalore during next 5 days. The Maximum temperature ranges from 32.0°C and Minimum of 17.0-18.0°C. Relative humidity 55-90 % during morning hrs and 31-41 % during noon is expected. Wind speed 6-10 km/hr.

Weather Based Agro Advisories

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

District	Kharif crops				Horticulture crops	
Chikkaballapura	Groundnut	Redgram	Finger millet	Maize	Grape	Mango
	PF,M	F,PF	EV,V,E	H	-	-

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"> Intercultural operation recommended for conserving soil moisture and removal of weeds. Suggested for intercultivation for late sown Ragi crop Mulching is recommended to conserve the soil moisture in standing crops.
Kharif crops	Flowering stage and Maturity 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"> 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. 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

		<p>for <i>Helicoverpa armigera</i> 12/ha</p> <ul style="list-style-type: none"> Remove and burn the infected Wilt diseased Redgram plant in field.
Mango		<ul style="list-style-type: none"> Paclobutrazol soil application @ 5 g a.i per plant is recommended for uniform flowering behavior in Mango crop. Paclobutrazol is effective not only in flower induction but also in early and off season flower induction which thereby maintains regularity and synchronization in flowering.
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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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