



UNIVERSITY OF AGRICULTURAL SCIENCE, BENGALURU
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AMFU OF IMD, BENGALURU



AGROMET-ADVISORY BULLETIN

Date: **22.09.2023**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

The forecast is valid for Chikkaballapur district

Weather forecast (Valid from 23-09-2023 to 27-09-2023)

Forecast summary:

Parameters	23.09.2023	24.09.2023	25.09.2023	26.09.2023	27.09.2023
Rainfall (mm)	6	5	4	4	3
Max Temp Trend (°C)	29	28	28	28	28
Min Temp Trend (°C)	21	21	21	21	21
Total cloud cover (octa)	7	7	7	7	7
Relative humidity (%) Max	93	94	95	95	95
Relative humidity (%) Min	70	70	72	72	72
Wind speed (Km/hr)	6	7	7	7	6
Wind Direction (Degrees)	291	292	292	291	291

Light rain forecasted by IMD, Bangalore during next 5 days. The Maximum temperature ranges from 28.0-29.0°C and Minimum of 21.0°C. Relative humidity 93-95 % during morning hrs and 70-72 % during noon is expected. Wind speed 6-7 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
	PI	F	S,G,EV,V	Ts,CI	-	-

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"> Uttara rainstar starts from September 13th and remains up to September 26th. The normal rainfall of Uttara rainstar is 91.9 mm Intercultural operation recommended for conserving soil moisture and removal of weeds. Mulching is recommended to conserve the soil moisture in standing crops. Advised to undertake transplanting ragi seedlings wherever patchy stand seen to maintain uniform plant populations to get higher yield.
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"> Continue the sowing operation due to light rainfall and availability of sufficient soil moisture conditions. Earthing up makes better availability of soil moisture to the crop rows through conversion of the land into ridges and furrow system.

		<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. • 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.
Horticulture crop		
Mango		<ul style="list-style-type: none"> • 1-2 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		<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