UNIVERSITY OF AGRICULTURAL SCIENCE, BENGALURU
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AMFU OF IMD, BENGALURU

AGROMET-ADVISORY BULLETIN Date: **17.10.2023**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

The forecast is valid for Chikkaballapur district

Weather forecast (Valid from 18-10-2023 to 22-10-2023)

Forecast summary:

Parameters	18.10.2023	19.10.2023	20.10.2023	21.10.2023	22.10.2023
Rainfall (mm)	0	1	0	0	0
Max Temp Trend (^{o}C)	32	31	31	31	31
Min Temp Trend (^{o}C)	21	21	21	21	21
Total cloud cover (octa)	5	5	5	5	5
Relative humidity (%) Max	78	76	76	76	76
Relative humidity (%) Min	56	54	54	54	54
Wind speed (Km/hr)	3	4	4	3	3
Wind Direction (Degrees)	103	103	90	77	77

No rain forecasted by IMD, Bangalore during next 5 days. The Maximum temperature ranges from 31.0-32.0^{o}C and Minimum of 21.0^{o}C. Relative humidity 76-78 % during morning hrs and 54-56 % during noon is expected. Wind speed 3-4 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,PF	F,PF	EV,V,E	M,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			• Chitta rainstar starts from October 11th and remains up to October 23rd . The normal rainfall of Chitta rainstar is 55.4 mm. • 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		The following crops are suggested for sowing. 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). • 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.

		• 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 *Helicoverpa armigera* 12/ha • Remove and burn the infected Wilt diseased Redgram plant in field.
Mango		• 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		**Feeding of lactating cow** • 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*