



UNIVERSITY OF AGRICULTURAL SCIENCE, BENGALURU
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AMFU OF IMD, BENGALURU



AGROMET-ADVISORY BULLETIN

Date: **18.10.2022**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Significant past weather for the preceding week

Parameter	14.10.2022	15.10.2022	16.10.2022	17.10.2022	18.10.2022
Rainfall (mm)	60.0	56.2	9.0	44.0	4.0
Max. temp(°C)	28.4	27.2	28.2	27.6	27.2
Min.Temp(°C)	17.0	18.2	18.0	18.4	17.8
Sky condition(Octas)	6	6	4	6	6
Relative humidity(%) 0830 hours	88	88	89	89	91
Relative humidity(%) 1730 hours	60	57	60	60	...
Wind Speed (kmph)	3.2	2.4	3.4	3.1	2.4
Wind Direction	230	320	230	45	230

Weather forecast (Valid from 19-10-2022 to 23-10-2022)

Forecast summary:

Parameters	19.10.2022	20.10.2022	21.10.2022	22.10.2022	23.10.2022
Rainfall (mm)	8	9	8	10	8
Max Temp Trend (°C)	29	28	29	28	29
Min Temp Trend (°C)	20	20	20	20	20
Total cloud cover (octa)	7	8	7	8	7
Relative humidity (%)Max	90	90	93	93	93
Relative humidity (%)Min	61	68	63	64	62
Wind speed(Km/hr)	6	6	11	13	12
Wind Direction (Degrees)	255	252	63	66	45

Light to moderate 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 90-93 % during morning hrs and 61-68 % during noon is expected. Wind speed is 6-13 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)	PF,PM	V,F	V,T,E	Ts, CI,GF,FD	-	--

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			1. Chitta rainstar starts from October 11 th and remains up to

		October 23 rd . The normal rainfall of Chitta rainstar is 55.4 mm.
Kharif crops	Tillering stage/Ear head formation stage/flowering/pod formation 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> <ol style="list-style-type: none"> 1. Drainout the excess rainfall in crop field. 2. Since there is continuous rainfall for next 7 days, advised to undertake transplanting ragi seedlings wherever there is patchy stand to maintain the uniform plant populations to get higher yield. 3. Suggested for intercultivation for Ragi crop 4. To control of leaf folder insect in Redgram to spray Methomyl 40SP , 2 gram/litre of water before flowering of crop. 5. 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 6. If Wilt diseases noticed in Redgram field –Drenching Carbendazim 50 WP 2 g/litre of water. 7. Remove and burn the infected Wilt diseases Redgram plant in field. 8. To control Cob borer spray melathion 50 EC @ 2ml/litre (500 ml/acre)
Horticulture crop		
Mango		<ol style="list-style-type: none"> 1. 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.
Sericulture		
		<ol style="list-style-type: none"> 1. Maintain the optimum room temperature in Sericulture unit.
Dairy		<ul style="list-style-type: none"> ➤ Congenial climate and abundant fodder availability facilitate improved Dairy, Piggery, Poultry, Sheep and Goat rearing. <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. <ol style="list-style-type: none"> 1. Dietary fiber for milking cow should be 17 % and NDF (Neutral Detergent Fiber) 22 %

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