



UNIVERSITY OF AGRICULTURAL SCIENCE, BENGALURU
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AMFU OF IMD, BENGALURU



AGROMET-ADVISORY BULLETIN

Date: **13.09.2022**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Significant past weather for the preceding week

Parameter	09.9.2022	10.9.2022	11.9.2022	12.9.2022	13.9.2022
Rainfall (mm)	0.2	1.6	0.2	1.8	0
Max. temp(°C)	25.8	26.6	26.2	28.0	27.0
Min.Temp(°C)	18.6	19.8	18.6	19.2	17.0
Sky condition(Octas)	8	6	6	6	6
Relative humidity(%) 0830 hours	89	93	93	88	89
Relative humidity(%) 1730 hours	65	65	59	64	...
Wind Speed (kmph)	5.5	7.0	7.6	10.6	9.3
Wind Direction	230	230	230	230	230

Weather forecast (Valid from 14-09-2022 to 18-09-2022)

Forecast summary:

Parameters	14.9.2022	15.9.2022	16.9.2022	17.9.2022	18.9.2022
Rainfall (mm)	3	1	0	1	2
Max Temp Trend (°C)	28	28	28	28	28
Min Temp Trend (°C)	20	20	20	20	20
Total cloud cover (octa)	7	7	6	6	7
Relative humidity (%)Max	85	83	81	81	81
Relative humidity (%)Min	66	63	61	61	62
Wind speed(Km/hr)	10	10	11	11	10
Wind Direction (Degrees)	248	248	248	248	248

Light rain is forecasted by IMD, Bangalore during next 5 days. The Maximum temperature ranges from 28.0°C and Minimum of 20.0°C. Relative humidity 81-85 % during morning hrs and 61-66 % during noon is expected. Wind speed is 10-11 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)	V,F	V	S,G,EV,V	EV,V,Ts	-	--

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. Uttara rainstar starts from September 13 th and remains up to

		<p>September 26th. The normal rainfall of Uttara rainstar is 91.9 mm.</p> <ol style="list-style-type: none"> 2. Due to excess soil moisture in crop field, weeds problem will be more. Advised to take care of mechanical or chemical weed control measures 3. Advised to undertake transplanting ragi seedlings wherever there is patchy stand to maintain the uniform plant populations to get higher yield.
Kharif crops	Sowing, Germination and Early vegetative 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> <p>Maize: Ganga-11, Deccan -103, Vijaya composite, Composite NAC- 6004,6002, Hybrid-Nityashree (NAH-2049), Hybrid Hema (NAH-1137)</p> <ol style="list-style-type: none"> 1. These maize varieties resistance to Stem borer, Leaf blight and Downey mildew disease 2. Suggested for intercultivation for early sown Ragi crop 3. Wherever over population of crop plants is existing, undertake thinning operation for better availability of scarce soil moisture to the reduced population of crop plants. 4. To control of leaf folder insect in Redgram to spray Methomyl 40SP , 2 gram/litre of water before flowering of crop. 5. If Wilt diseases noticed in Redgram field –Drenching Carbendazim 50 WP 2 g/litre of water. 6. Remove and burn the infected Wilt diseases Redgram plant in field.
Horticulture crop		
Mango		<ol style="list-style-type: none"> 1. 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.
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. ➤ Vaccinate the cow against the Haemorrhagic Septecemia (HS) and Black Quarter (BQ) Disease at the age of six month old calf. <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