



**UNIVERSITY OF AGRICULTURAL SCIENCE, BENGALURU  
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AMFU OF IMD, BENGALURU**



**AGROMET-ADVISORY BULLETIN**

Date: **13.06.2023**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

**The forecast is valid for Bengaluru urban district.**

**Significant past weather for the preceding week**

Parameter	09.06.2023	10.06.2023	11.06.2023	12.06.2023	13.06.2023
Rainfall (mm)	0	0	0	2.2	1.8
Max. temp(°C)	32.2	32.4	33.0	32.8	33.0
Min.Temp(°C)	21.4	21.0	20.2	21.0	21.8
Sky condition(Octas)	2	0	0	2	0
Relative humidity(%) 0830 hours	77	75	88	81	83
Relative humidity(%) 1730 hours	44	39	40	51	--
Wind Speed (kmph)	7.3	8.8	8.6	7.3	6.0
Wind Direction	230	230	230	230	270

**Weather forecast (Valid from 14-06-2023 to 18-05-2023)**

Forecast summary:

Parameters	14.06.2023	15.06.2023	16.06.2023	17.06.2023	18.06.2023
Rainfall (mm)	5	6	3	3	6
Max Temp Trend ( °C)	32	32	33	33	31
Min Temp Trend ( °C)	22	22	22	22	22
Total cloud cover (octa)	6	6	6	6	6
Relative humidity (%)Max	84	84	84	86	86
Relative humidity (%)Min	50	50	50	52	52
Wind speed(Km/hr)	17	17	17	19	19
Wind Direction (Degrees)	249	270	283	283	281

**Light rain forecasted by IMD, Bangalore during next 5 days. The Maximum temperature ranges from 31.0-33.0°C and Minimum of 22.0°C. Relative humidity 84-86 % during morning hrs and 50-52 % during noon is expected. Wind speed is 17-19 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)	S,G	S,G	-	S,G	-	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			<ul style="list-style-type: none"> <li>Mrugashira rainstar starts from June 8<sup>th</sup> and remains upto June 21<sup>st</sup>. The normal rainfall of Mrugashira rainstar is 34.9 mm.</li> <li>Farmers are advised to take up Ploughing or passing the cultivator in the areas where rainfall received and it should be taken up across the slope, it improves infiltration and conservation of rain</li> </ul>

		<p>water but also avoids soil erosion.</p> <ul style="list-style-type: none"> <li>• The farmers are procure good quality of seeds and fertilizers. Take up the germination test for Kharif sowing.</li> <li>• Take up land preparation and strengthen the bund with fodder grass which will facilitate conservation of rainwater due to pre-monsoon showers. Ploughing across the slope will make insitu soil moisture conservation</li> <li>• Time for application tank silt to increase soil fertility.</li> </ul>
<b>Kharif crops</b>	Sowing and Germination stage	<p>The following crops are suggested for sowing.</p> <p><b>Under mono cropping the long duration crops:</b>  Redgram : TTB-7, BRG-1,2,4&amp;5  Castor: DCS-9 (Jyothi), DCH-177&amp;32  Maize: Ganga-11, Deccan -103, Vijaya composite, Composite NAC-6004,6002, Hybrid-Nityashree ( NAH-2049)</p> <p><b>Under double cropping the medium to short duration crops:</b>  Groundnut : TMV-2, JL-24, KCG-6  Cowpea: TVX-944, KBC-1, Green gram: PS-16, PDM-84,178  Black gram: Karagao-3, T-9, Rashmi(LBG-625).</p> <ul style="list-style-type: none"> <li>• Redgram seeds treat with Carbendazim or Thiram @ 2 g/kg of seed 24 hours before sowing (or) with talc formulation of <i>Trichoderma viride</i> @ 4g/kg of seed (or) <i>Pseudomonas fluorescens</i> @ 10 g/kg seed and <i>Rhizobium</i> @ 10 g/kg of seed .</li> </ul>
<b>Horticulture crop</b>		
<b>Mango</b>	Harvesting stage	<ol style="list-style-type: none"> <li>1. In mango, fruit fly damage is also noticed. suitable control measure by spraying Carbaryl 4 g/litre of water</li> <li>2. Harvesting of mango without dropping ground level using mango net.</li> <li>3. Mango growers should harvest matured fruit and try to leave one or two inches of stem in the mango bunch, which helps to avoid sap burn disease. Afterward, the mango fruit should be wrapped by using papers and then keep it in plastic crates. After within 24 hours of harvesting, the crates are placed on top of each other with 5 to 6 create half-feet apart and then take 300 ml. of water in small plastic bottles, add 10 ml of ethylene to water, then after adding 10 g sodium hydroxide (caustic soda). Then seal the tarpaulin cover tightly without aeration for 48 to 60 hours, then tarpaulin should be removed and left out for aeration. Ethylene should be kept in 8 to 10 glasses for to ripen 1 ton of fruit. Natural ripening will help to get good quality fruit and better market price.</li> </ol>
<b>Animal Husbandry</b>		
<b>Dairy</b>		<ol style="list-style-type: none"> <li>1. Vaccinate the cow against the Black quarter disease. It is a bacterial disease caused by <i>Clostridium chauvoei</i></li> <li>2. Feeding cow containing about 17 per cent dietary fiber in the animal feed are also helpful to increase fat percentage in milk. Concentrate mixture should comprise grains (40 per cent), oil cakes (32 per cent), brans (25per cent), mineral mixture (2 per cent) and common salt (1 per cent).</li> </ol>
<b>Sericulture</b>		
1. Maintain the optimum room temperature in Sericulture unit.		

**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*