



UNIVERSITY OF AGRICULTURAL SCIENCE, BENGALURU  
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AMFU OF IMD, BENGALURU



**AGROMET-ADVISORY BULLETIN**

Date: **01.07.2022**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

**The forecast is valid for Chikkaballapur district**

**Weather forecast (Valid from 02-07-2022 to 06-07-2022)**

**Forecast summary:**

Parameters	02.7.2022	03.7.2022	04.7.2022	05.7.2022	06.7.2022
Rainfall (mm)	11	12	14	12	11
Max Temp Trend ( °C)	28	28	28	28	28
Min Temp Trend ( °C)	20	20	20	20	20
Total cloud cover (octa)	7	7	7	7	7
Relative humidity (%)Max	91	91	93	93	93
Relative humidity (%)Min	81	81	83	83	83
Wind speed(Km/hr)	5	6	6	5	6
Wind Direction (Degrees)	292	291	288	288	283

Light to moderate 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 91-93 % during morning hrs and 81-83 % during noon is expected. Wind speed 5-6 km/hr.

**Weather Based Agro Advisories**  
**Crop information and Crop Stages of the major Kharif/Rabi crops**

District	Kharif crops				Horticulture crops	
Chikkaballapur a	Groundnut	Redgram	Finger millet	Maize	Grape	Mango
	S,G	S,G	--	S,G	-	H

G: Germination, S: Sowing, EV: Early vegetative, VG: Vegetative growth, TR: Transplanting, PI: Peg initiation, FLI: Flag leaf initiation, F: Flowering, PF: Pod formation, PM: Pod Maturity, T: Tilling, 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			<ol style="list-style-type: none"> <li>Aaridra rainstar starts from June 22<sup>nd</sup> and remains upto July 5<sup>th</sup>. The normal rainfall of Aaridra rainstar is 20.0 mm.</li> <li>Agro forestry on the bund involving <i>Melia dubia</i> (Hebbevu), Silver oak and Causurina is recommended for sustainable income under abnormal extreme rainfall events .</li> <li>The farmers are advised to procure good quality seeds and fertilizers.</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> </ol>
Kharif crops	Sowing, Germination and Early vegetative stage		<p>The following crops are suggested for sowing.</p> <p><b>Under mono cropping the long duration crops:</b></p> <p>Redgram : TTB-7, BRG-1,2,4&amp;5</p> <p>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></p> <p>Groundnut : TMV-2, JL-24, KCG-6</p> <p>Cowpea: TVX-944, KBC-1, Green gram: PS-16, PDM-84,178</p> <p>Black gram: Karagao-3, T-9, Rashmi(LBG-625).</p> <p>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 .</p> <ol style="list-style-type: none"> <li>1. Wherever, the long duration crops like Redgram, and Castor has been sown, undertake earthing up operation in addition to the above agronomic measures. Earthing up makes a better availability of soil moisture to the crop rows through conversion of the land into ridges and furrow system.</li> <li>2. 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.</li> </ol>
<b>Horticulture crop</b>		
<b>Mango</b>		<ol style="list-style-type: none"> <li>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.</li> <li>2. Apply recommended dose of fertilizer in June-July month.</li> <li>3. Recommended for pruning of dried twigs and branches done in June-July month to facilitate the sunlight to bear the more fruits in next seasons.</li> </ol>
<b>Sericulture</b>		
		<ol style="list-style-type: none"> <li>1. Maintain the optimum room temperature in Sericulture unit.</li> </ol>
<b>Dairy</b>		<ol style="list-style-type: none"> <li>1. Vaccinate the cow against the Black quarter disease</li> <li>2. It is a bacterial disease caused by <i>Clostridium chauvoei</i></li> </ol>

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**Bengaluru**

**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](http://mausam.imd.gov.in)