



UNIVERSITY OF AGRICULTURAL SCIENCE, BENGALURU  
GRAMIN KRISHI MAUSAM SEWA(GKMS)  
AMFU OF IMD, BENGALURU



**AGROMET-ADVISORY BULLETIN**

Date: **13.09.2022**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

**The forecast is valid for Chikkaballapur district**

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

**Forecast summary:**

<b>Parameters</b>	<b>14.9.2022</b>	<b>15.9.2022</b>	<b>16.9.2022</b>	<b>17.9.2022</b>	<b>18.9.2022</b>
<b>Rainfall (mm)</b>	4	3	0	2	3
<b>Max Temp Trend ( °C)</b>	28	28	28	28	28
<b>Min Temp Trend ( °C)</b>	20	20	20	20	20
<b>Total cloud cover (octa)</b>	4	6	7	7	8
<b>Relative humidity (%)Max</b>	87	87	87	85	87
<b>Relative humidity (%)Min</b>	57	53	56	59	55
<b>Wind speed(Km/hr)</b>	19	18	20	21	19
<b>Wind Direction (Degrees)</b>	248	248	248	249	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 85-87 % during morning hrs and 53-59 % during noon is expected. Wind speed 18-21 km/hr.

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

<b>District</b>	<b>Kharif crops</b>				<b>Horticulture crops</b>	
<b>Chikkaballapur</b>	<b>Groundnut</b>	<b>Redgram</b>	<b>Finger millet</b>	<b>Maize</b>	<b>Grape</b>	<b>Mango</b>
	V,F	V	S,G,EV,V	EV,V,Ts	-	--

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: 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:**

<b>Crop/ Component</b>	<b>Stage/ Condition</b>	<b>Pest and Disease</b>	<b>Agro advisories</b>
<b>General</b>			<ol style="list-style-type: none"> <li>Uttara rainstar starts from September 13<sup>th</sup> and remains up to September 26<sup>th</sup>. The normal rainfall of Uttara rainstar is 91.9 mm.</li> <li>Due to excess soil moisture in crop field, weeds problem will be more. Advised to take care of mechanical or chemical weed control measures</li> <li>Advised to undertake transplanting ragi seedlings wherever there is patchy stand to maintain the uniform plant populations to get higher yield.</li> </ol>

<b>Kharif crops</b>	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 &amp; 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"> <li>1. These maize varieties resistance to Stem borer, Leaf blight and Downey mildew disease</li> <li>2. Suggested for intercultivation for early sown Ragi crop</li> <li>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.</li> <li>4. To control of leaf folder insect in Redgram to spray Methomyl 40SP , 2 gram/litre of water before flowering of crop.</li> <li>5. If Wilt diseases noticed in Redgram field –Drenching Carbendazim 50 WP 2 g/litre of water.</li> <li>6. Remove and burn the infected Wilt diseases Redgram plant in field.</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> </ol>
<b>Sericulture</b>		
<b>Dairy</b>		<ol style="list-style-type: none"> <li>1. Maintain the optimum room temperature in Sericulture unit.</li> </ol> <ul style="list-style-type: none"> <li>➤ Congenial climate and abundant fodder availability facilitate improved Dairy, Piggery, Poultry, Sheep and Goat rearing.</li> <li>➤ Vaccinate the cow against the Haemorrhagic Septecemia (HS) and Black Quarter (BQ) Disease at the age of six month old calf.</li> </ul> <p><b>Feeding of lactating cow</b></p> <ul style="list-style-type: none"> <li>➤ Proper feeding of dairy cattle should envisage minimum wastage of nutrients and maximum returns in respect of milk produced.</li> <li>➤ 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.</li> <li>➤ Mineral mixture containing major and all the trace elements should be included at a level of 2 percent.</li> </ul> <ol style="list-style-type: none"> <li>1. Dietary fiber for milking cow should be 17 % and NDF (Neutral Detergent Fiber ) 22 %</li> </ol>

**AMFU of IMD  
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)