



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



**AGROMET-ADVISORY BULLETIN**

Date: **08.12.2023**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

**The forecast is valid for Chikkaballapur district**

**Weather forecast (Valid from 09-12-2023 to 13-12-2023)**

**Forecast summary:**

<b>Parameters</b>	<b>09.12.2023</b>	<b>10.12.2023</b>	<b>11.12.2023</b>	<b>12.12.2023</b>	<b>13.12.2023</b>
<b>Rainfall (mm)</b>	15	9	1	0	0
<b>Max Temp Trend ( °C)</b>	31	29	29	29	29
<b>Min Temp Trend ( °C)</b>	20	19	19	17	17
<b>Total cloud cover (octa)</b>	5	5	6	6	5
<b>Relative humidity (%) Max</b>	95	93	94	94	94
<b>Relative humidity (%) Min</b>	63	65	59	54	46
<b>Wind speed (Km/hr)</b>	13	13	12	11	12
<b>Wind Direction (Degrees)</b>	111	90	90	90	77

**Light to moderate rain forecasted by IMD, Bangalore during next 5 days. The Maximum temperature ranges from 29.0-31.0°C and Minimum of 17.0-20.0°C. Relative humidity 93-95 % during morning hrs and 46-65 % during noon is expected. Wind speed 11-13 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>Chikkaballapura</b>	<b>Groundnut</b>	<b>Redgram</b>	<b>Finger millet</b>	<b>Maize</b>	<b>Grape</b>	<b>Mango</b>
	-	M,H	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:**

<b>Crop/ Component</b>	<b>Stage/ Condition</b>	<b>Pest and Disease</b>	<b>Agro advisories</b>
<b>General</b>			<ul style="list-style-type: none"> <li>Advised for postpone harvesting next couple of days due to cloudy and light rainfall forecasted from IMD</li> <li>Intercultural operation recommended for conserving soil moisture and removal of weeds.</li> <li>Mulching is recommended to conserve the soil moisture in standing rabi crops.</li> <li>The grains of the harvested crops should be properly dried by retaining moisture percentage of Cereals 11-12 %, Pulses-9%, Oilseeds-8% and Vegetable seeds 5-6% for long storage &amp; also minimize the store pest damage.</li> <li>To protect the pulse grains from storage pests apply oils of Castor/ linseed/honge/neem oil @ 3-5 ml per kg of grains.</li> </ul>
<b>Kharif crops</b>	Maturity and Harvesting stage		<p><b>The following Rabi crops are suggested for sowing.</b></p> <p>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> <ul style="list-style-type: none"> <li>Earthing up makes better availability of soil moisture to the crop rows through conversion of the land into ridges and furrow system.</li> </ul>

		<ul style="list-style-type: none"> <li>• Wherever over population of crop plants is existing, undertake thinning operation for better availability of scarce soil moisture to the reduce population of crop plants.</li> <li>• Right time for harvesting of matured pigeon pea pod or whole plants kept for dry place.</li> </ul>
<b>Mango</b>	Flower bud initiation and Flowering	<ol style="list-style-type: none"> <li>1. Clear the weeds in Mango orchard/Guava/Sapota put it under the basin as mulch.</li> <li>2. If Phanerogamic plants are growing on the mango tree to cut/prune out completely and apply Bordeaux paste or Copper oxy chloride that portion.</li> <li>3. Remove the weeds such as lantana which are growing under the mango tree.</li> <li>4. Leaf hopper and Powdery mildew disease incidence is more before flowering and immediately after fruit formation to manage spraying of Carbaryl, 50WP @4g/litre of water or Imidachlorprid @ 0.3ml/ litre of water for management of leaf hopper.</li> <li>5. Spray Lamda Cyhalothrin 5EC @ 0.5 ml/ litre of water or sulphur dust (SULTAF) 80 W @3g/litre of water against the Powdery mildew diseases.</li> </ol> <p>If the incidence of Leaf hopper is severe spray Azadirachtin (10,000 ppm) @ 7.0 ml/ litre of water.</p>
<b>Animal Husbandry</b>		
<b>Dairy</b>		<ol style="list-style-type: none"> <li>1. To protect animals from a sudden drop in temperature, keep the animals in a covered shed/area during the night. The bedding/hay in the animal sheds must be kept dry and changed/aired every day.</li> <li>2. Due care should be taken to store/procure fodder for periods of shortage that may occur during the winter months in certain areas. Perennial grasses must be cut at this time.</li> </ol>
<b>Poultry</b>		<ol style="list-style-type: none"> <li>1. The poultry house should be located in such a way that long axis is in east-west direction. This will prevent the direct sunshine over the birds.</li> <li>2. Beginning at one day of age, the chick should be housed at a temperature 35° C will maintain one week, at a relative humidity between 40 – 60% after wards 2 to 4 weeks temperature decreases every week by 2° C.</li> <li>3. Provide artificial brooding to chicks to maintain adequate temperature.</li> <li>4. Care should be taken to prevent the chicks from being exposed to wind chill.</li> <li>5. Sides should be covered with curtains during cool hours of the day.</li> <li>6. Wet litter material should be removed regularly</li> </ol> <p>Ensure proper cross ventilation to avoid ammonia accumulation</p>

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**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)