



UNIVERSITY OF AGRICULTURAL SCIENCE, BENGALURU  
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AMFU OF IMD, BENGALURU



**AGROMET-ADVISORY BULLETIN**

Date: **08.12.2023**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

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

**Significant past weather for the preceding week**

Parameter	04.12.2023	05.12.2023	06.12.2023	07.12.2023	08.12.2023
Rainfall (mm)	0.4	0	0	0	0
Max. temp(°C)	26.0	25.2	27.4	29.2	30.0
Min.Temp(°C)	18.2	18.0	18.0	18.6	18.8
Sky condition(Octas)	6	8	2	2	2
Relative humidity(%) 0830 hours	84	86	88	89	93
Relative humidity(%) 1730 hours	77	76	58	56	--
Wind Speed (kmph)	10.3	6.7	2.6	1.1	2.0
Wind Direction	230	230	230	230	140

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

Forecast summary:

Parameters	09.12.2023	10.12.2023	11.12.2023	12.12.2023	13.12.2023
Rainfall (mm)	20	9	1	0	0
Max Temp Trend ( °C)	30	28	27	29	28
Min Temp Trend ( °C)	20	19	19	18	17
Total cloud cover (octa)	7	6	6	6	7
Relative humidity (%)Max	94	93	93	92	95
Relative humidity (%)Min	62	66	59	60	46
Wind (Km/hr)	15	14	13	12	13
Wind Direction (Degrees)	112	108	103	72	69

**Light to moderate rain forecasted by IMD, Bangalore during next 5 days. The Maximum temperature ranges from 27.0-30.0°C and Minimum of 17.0-20.0°C. Relative humidity 92-95 % during morning hrs and 46-66 % during noon is expected. Wind speed is 12-15 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)	-	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:**

Crop/ Component	Stage/ Condition	Pest and Disease	Agro advisories
General			<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</li> </ul>

		<p>crops.</p> <ul style="list-style-type: none"> <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> <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</li> </ol>

		<p>wind chill.</p> <ol style="list-style-type: none"><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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**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)