



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



**AGROMET-ADVISORY BULLETIN**

Date: **19.12.2023**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

The forecast is valid for Chikkaballapur district

Weather forecast (Valid from 20-12-2023 to 24-12-2023)

**Forecast summary:**

Parameters	20.12.2023	21.12.2023	22.12.2023	23.12.2023	24.12.2023
Rainfall (mm)	0	0	0	0	0
Max Temp Trend ( °C)	29	29	29	30	29
Min Temp Trend ( °C)	16	16	17	17	16
Total cloud cover (octa)	4	2	3	8	7
Relative humidity (%) Max	97	97	94	94	93
Relative humidity (%) Min	56	47	40	44	38
Wind speed (Km/hr)	13	13	10	10	11
Wind Direction (Degrees)	69	77	101	111	90

Light rain forecasted by IMD, Bangalore during next 5 days. The Maximum temperature ranges from 29.0-30.0°C and Minimum of 16.0-17.0°C. Relative humidity 93-97 % during morning hrs and 38-56 % during noon is expected. Wind speed 10-13 km/hr.

**Weather Based Agro Advisories**

Crop information and Crop Stages of the major Kharif/Rabi crops

District	Kharif crops				Horticulture crops	
Chikkaballapura	Groundnut	Redgram	Finger millet	Maize	Grape	Mango
	-	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			
Kharif crops	Harvesting stage		<ul style="list-style-type: none"> <li>Right time for harvesting of matured pigeon pea pod or whole plants &amp; Finger millet crop and kept for dry place.</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 minimizes 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>
Rabi crops	Early vegetative and vegetative 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>Intercultural operation recommended for conserving soil moisture and removal of weeds in standing rabi crops.</li> <li>Mulching is recommended to conserve the soil moisture in standing rabi crops.</li> </ul>
Mango	Flower bud		<ol style="list-style-type: none"> <li>Clear the weeds in Mango orchard/Guava/Sapota put it under the basin as mulch.</li> </ol>

	initiation and Flowering	<ol style="list-style-type: none"> <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> <li>6. If the incidence of Leaf hopper is severe spray Azadirachtin (10,000 ppm) @ 7.0 ml/ litre of water.</li> </ol>
<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> <li>7. Ensure proper cross ventilation to avoid ammonia accumulation</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)