



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



**AGROMET-ADVISORY BULLETIN**

Date: **18.02.2022**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

The forecast is valid for Chikkaballapur district

Weather forecast (Valid from 19-02-2022 to 23-02-2022)

**Forecast summary:**

Parameters	19.02.2022	20.02.2022	21.02.2022	22.02.2022	23.02.2022
Rainfall (mm)	0	0	0	0	0
Max Temp Trend ( °C)	29	29	30	31	32
Min Temp Trend ( °C)	15	14	15	16	16
Total cloud cover (octa)	2	4	2	3	2
Relative humidity (%)Max	80	80	78	78	78
Relative humidity (%)Min	48	48	48	46	46
Wind speed(Km/hr)	3	2	2	2	2
Wind Direction (Degrees)	112	122	79	162	146

No rain forecasted by IMD, Bangalore during next 5 days. The Maximum temperature ranges from 29.0-32.0°C and Minimum of 14.0-16.0°C. Relative humidity 78-80 % during morning hrs and 46-48 % during noon is expected. Wind speed 2-3 km/hr.

**Weather Based Agro Advisories**

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

District	Kharif crops				Horticulture crops	
Chikkaballapur	Groundnut	Redgram	Finger millet	Maize	Grape	Mango
a	--	H	--	--	-	F&FS

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>Due to continuous dry spell since January month, the termite attack is common in horticulture and Forestry tree and shrubs hence control to apply Aldrin termiticides for control of termites.</li> <li>Advised for harvested Ragi, Maize, Redgram and other pulse crops winnowing, cleaning, sun drying and storage in dry gunny bag.</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>Horticulture crop</b>			

<b>Mango</b>	Flowering	<ol style="list-style-type: none"> <li>1. Provide irrigation, as the fruits are in marble stage, this will help for the better development of fruits.</li> <li>2. If sufficient water is available, irrigation can be given at 15-20 days interval starting from fruit setting till maturity.</li> <li>3. Fruit drop can be controlled by spraying Naphthalene acetic acid (NAA) @ 20 ppm twice at an interval of 15 days during the early stage (peanut stage/marble stage) of fruit development stage.</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 Lambda 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>		
	<ol style="list-style-type: none"> <li>1. 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>Sericulture</b>		
	<ol style="list-style-type: none"> <li>1. Maintain the optimum room temperature in Sericulture unit.</li> </ol>	
<b>Poultry</b>		
	<ol style="list-style-type: none"> <li>1. Provide artificial brooding to chicks to maintain adequate temperature.</li> <li>2. Care should be taken to prevent the chicks from being exposed to wind chill.</li> <li>3. Sides should be covered with curtains during cool hours of the day.</li> <li>4. Wet litter material should be removed regularly</li> <li>5. Ensure proper cross ventilation to avoid ammonia accumulation</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)