

**UNIVERSITY OF AGRICULTURAL SCIENCES, BENGALURU &  
INDIAN METEOROLOGICAL DEPARTMENT**



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MYSURU - 570003**



Date: 09-02-2024

**AGRO-ADVISORY BULLETIN FOR CHAMARAJANAGARA DISTRICT**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

**Weather forecast for the next five days (From 10-02-2024 to 14-02-2024)**

<b>Parameter</b>	<b>10.02.2024</b>	<b>11.02.2024</b>	<b>12.02.2024</b>	<b>13.02.2024</b>	<b>14.02.2024</b>
Rainfall (mm)	0	0	0	0	0
Max. Temp. (°C)	35	34	33	33	33
Min.Temp. (°C)	13	14	14	14	13
Sky condition (Octas)	2	2	1	2	2
Relative humidity (%) 0830 hours	66	69	59	66	62
Relative humidity (%) 1730 hours	41	39	45	42	30
Wind Speed (kmph)	8	4	6	6	8
Wind Direction	115	110	110	110	110

**Forecast Summary**

As forecast received from IMD, Cloudy sky with no rainfall may be expected from 10.02.2024 to 14.02.2024 in Chamarajanagara district. The day temperature is expected to be 33-35°C & night temperature is expected 13-14°C. The relative humidity in the morning hours is expected to be 59-69% & afternoon relative humidity is expected to be in the range of 30-45%. Wind speed expected to be 4-8 km/ hr.

**Recommendations to the farmers:**

<b>Crop</b>	<b>Pest/Disease</b>	<b>Damage symptoms</b>	<b>Control measures</b>
<ul style="list-style-type: none"> <li>Farmers should provide protective irrigation if rainfall does not occur at the critical stage of crop growth.</li> </ul>			
<b>Cowpea</b>	<b>Aphids</b>	Several individuals suck the sap from tender shoots, flower buds, flowers, leaves and tender pods. Yellowing of leaves, shrivelled grains and sooty mold on leaves. To manage this pest spray Dimethoate – 30 EC. @ 1.7 ml./liter water spray. 200 lit. Spray mixture/acre.	
<b>Mango</b>	<b>Powdery mildew and hoppers</b>	<ul style="list-style-type: none"> <li>Low temperature and higher humidity in morning hours is congenial condition for occurrence of powdery mildew disease and leaf hopper pest on mango orchard, hence farmers are advised to take control measure to manage these pest and disease.</li> </ul>	

		<ul style="list-style-type: none"> <li>To manage powdery mildew disease take spray of 3.0 g. Sulphur 80 WP or 1.0 ml. Hexaconazole 5 EC.at flowering and fruiting stage.</li> <li>To manage hopper incidence take the spray of 0.3 ml Imidachloprid 17.8 SL.in a lit. water before flowering and when fruits are pea size.</li> </ul>
Field bean	Pod borer	<ul style="list-style-type: none"> <li>At the flowering stage of the plant, 5 ml of neem oil should be mixed in every liter of water and sprayed.</li> <li>Install 5 pheromonal traps /acre</li> <li>When infestation is noticed spray Quinalphos 25 EC 2 ml per liter of water or fenvalarate 20 E.C. 3 ml. per liter of water should be mixed and sprayed.</li> </ul>
Cucurbits (cucumber and pumpkins)	Downy mildew and Powdery mildew	<p><b>Downy mildew:</b> Cone shaped yellow spots noticed on leaves. To manage this disease Spray 2.0 g. Metalaxyl + Mancozeb per litre of water.</p> <p><b>Powdery mildew:</b> Small sized ashy white fungal growth on leaves, under severe infestation drying of leaves. To manage this disease spray 1.0 g Carbendazim 50 WP or 1.5 g. Dinocap in a lit. water. 200 lit spray solution required/acre. If disease persists, spray at an interval of two weeks.</p>
Redgram	Pod borer	Caterpillar bore the flower buds and pods, presence of small circular hole on infested pods, dropping of infested flower buds. If infestation occurs spray 0.5 ml. Indoxacarb 14.5 SC or 0.5 ml chlorantraniliprole 18.5 S.C. during flowering and pod initiation stage.
Sugarcane	Trash management	<p>Sugarcane trash can be converted into compost or spread the trash in alternate rows and give irrigation, apply 15 kg urea with 5% cow dung slurry and sprinkle on trash.</p> <p>Application of fluorotous microbes at 5 kg /acre on trash or 1 -1.5 t press mud will enhance the fast degradation of trash.</p>
Livestock		<ul style="list-style-type: none"> <li>To protect the new born calves from cold, provide straw/hay bedding to young calves, keep the bedding material dry and change regularly. Expose animals to sunshine during afternoon hours. Possibility of fall in night temperatures keep the animal under shed and clean around to control fly and mosquito in cattle shed.</li> <li>Feed the animals with quality fodder along with 50-100 gram mineral mixture during early morning and evening hours. This increases milk productivity and enhance the animal's immunity. To avoid occurrence of milk fever in milking animals, farmers are advised to feed orally easily absorbable calcium supplements.</li> <li>Due to prevailing of high humidity farmers are advised to keep clean around the animal shed to avoid the infestation of house fly/other.</li> </ul>

- Download “**DAMINI**” app to get early warning on lightening and take precautions based on the alert given by the application.
- Kindly download”**MAUSAM**” APP for location specific forecast & warning &“**MEGHDOOT**” APP for Agromet advisory
- This information is available in the website: [mausam.imd.gov.in](http://mausam.imd.gov.in)

For any information farmers can contact **Dr.C.Ramachandra**, Senior Farm Superintendent/ **Dr. Sumanth Kumar.G.V**, Research Associate over phone No. 0821-259126/ 9535345814.

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