

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



**GRAMIN KRISHI MAUSAM SEWA  
AMFU, OFRS, NAGANAHALLI,  
MYSURU - 570003**



Date: 16-04-2024

**AGRO-ADVISORY BULLETIN FOR CHAMARAJANAGARA DISTRICT**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

**Weather forecast for the next five days (From 17-03-2024 to 21-04-2024)**

<b>Parameter</b>	<b>17.04.2024</b>	<b>18.04.2024</b>	<b>19.04.2024</b>	<b>20.04.2024</b>	<b>21.04.2024</b>
<b>Rainfall (mm)</b>	0	1	1	4	1
<b>Max. Temp. (°C)</b>	38.5	38.9	37	37.5	37.8
<b>Min.Temp. (°C)</b>	20.7	20.8	20.2	20.6	21
<b>Sky condition (Octas)</b>	7	6	6	7	6
<b>Relative humidity (%) 0830 hours</b>	67	78	69	64	68
<b>Relative humidity (%) 1730 hours</b>	19	22	26	23	24
<b>Wind Speed (kmph)</b>	10	10	7	9	8
<b>Wind Direction</b>	199	112	248	236	202

**Forecast Summary**

As forecast received from IMD, Clear sky with very light rainfall may be expected from 17.04.2024 to 21.04.2024 in Chamarajanagara district. The day temperature is expected to be 37-38.9°C & night temperature is expected 20.2-21°C. The relative humidity in the morning hours is expected to be 64-78% & afternoon relative humidity is expected to be in the range of 19-26%. Wind speed expected to be 7-10 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><b>Water Management:</b> Ensure adequate water supply to crops. Implement efficient irrigation systems such as drip irrigation to minimize water loss through evaporation.</li> <li><b>Crop Selection:</b> Opt for drought-resistant or heat-tolerant crop varieties that can withstand high temperatures.</li> <li><b>Timing of Farming Activities:</b> Schedule farming activities such as planting, watering and harvesting during cooler parts of the day, typically early morning or late evening, to minimize heat stress on plants and reduce water evaporation.</li> <li><b>Mulching:</b> Apply mulch to retain soil moisture and regulate soil temperature. Mulching also helps to suppress weed growth, reducing competition for water.</li> <li><b>Monitoring:</b> Regularly monitor soil moisture levels, crop health and animal behavior to detect signs of heat stress or dehydration early.</li> <li><b>Livestock Management:</b> Ensure adequate ventilation and access to clean water and shade for livestock. Avoid moving animals during the hottest parts of the day.</li> <li><b>Poultry:</b> Ensure that poultry houses are well-ventilated and provide adequate shade to reduce heat</li> </ul>			

stress on birds. Install fans or misting systems to help cool the environment. Ensure a constant supply of cool, fresh water for the birds to drink. Consider adding electrolytes or vitamins to the water to help birds cope with heat stress

- **Vermicompost:** As dry weather is predicted for the next five days, care should be taken to maintain the optimum moisture level of 60% in vermicompost pits.

Banana	Pseudostem borer	<ul style="list-style-type: none"> <li>• The grubs bore the pseudostem, affected plants with number of holes on pseudostem, breaking of infested plants at damaged portion due to wind.</li> <li>• Management: Add 3.0 ml. Chloropyriphos 20 EC.or 3.0 ml. Dimethoate 30 EC. with 5.0 ml. water. Inject the mixture to the pseudostem about a feet height from ground level.</li> </ul>
Cowpea/Black gram	Aphids	<ul style="list-style-type: none"> <li>• 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.</li> </ul>
Coconut	Black headed catterpillar	<p>Remove and burn the severely affected fronds.  On community basis feed the Manocrotophos 36 SL. to the palm through root.  <b>Method:</b> A meter away from trunk, dig out and select brown coloured pencil thickness size root. Cut the root in a slanting position. To the polythene bag (size of 15 cm. length 4 cm. breadth) add 7.5 to 10 ml. Monocrotophos 36 SL. with equal quantity of water, introduce and immerse cut end of the root in insecticide mixture and tie the bag with thread.  The palm absorb the chemical within a period of 24 hours, if not after 48 hours select another root to feed the chemical. Not to harvest tender coconuts/matured coconuts for 30 days from date of chemical treatment.</p>
Cattle management during summer months		<ul style="list-style-type: none"> <li>• Maximum temperature expected to rise in coming days so tie the livestock animals in shade / cool place.</li> <li>• Put 4-6 inches of grass cover on the cattle shed, water 2-3 times in the afternoon and also water the floor and walls of the cattle shed. This keeps the cattle shed fairly cool.</li> <li>• Arrangements should be made so that air can flow easily in the cattle shed.</li> <li>• Clean water should be given to the cattles.</li> <li>• Don't allowed the cattle to graze during afternoon period when the temperature is high, cattles should be allowed to graze in the morning or evening time.</li> </ul>

**Block level weather forecast (From 17-04-2024 to 21-04-2024)****Chamarajanagara**

<b>Parameter</b>	<b>17.04.2024</b>	<b>18.04.2024</b>	<b>19.04.2024</b>	<b>20.04.2024</b>	<b>21.04.2024</b>
<b>Rainfall (mm)</b>	0	0.2	0.2	0.3	0.3
<b>Max. temp (°C)</b>	31.7	31.4	30.8	31	30
<b>Min.Temp (°C)</b>	17.8	18.6	19.1	20.7	20
<b>Sky condition (Octas)</b>	4	6	7	8	7
<b>Relative humidity (%) 0830 hours</b>	66	81	84	66	69
<b>Relative humidity (%) 1730 hours</b>	17	24	32	28	30
<b>Wind Speed (kmph)</b>	10	10	10	8	10
<b>Wind Direction</b>	248	259	207	281	250

**Gundlupete**

<b>Parameter</b>	<b>17.04.2024</b>	<b>18.04.2024</b>	<b>19.04.2024</b>	<b>20.04.2024</b>	<b>21.04.2024</b>
<b>Rainfall (mm)</b>	0	0.2	0.1	0.4	0.3
<b>Max. temp (°C)</b>	31.3	31.7	30.6	30.7	29.7
<b>Min.Temp (°C)</b>	17.8	18.6	19.5	20.6	20.3
<b>Sky condition (Octas)</b>	4	5	7	8	8
<b>Relative humidity (%) 0830 hours</b>	73	83	86	67	68
<b>Relative humidity (%) 1730 hours</b>	17	22	30	26	30
<b>Wind Speed (kmph)</b>	12	11	7	9	9
<b>Wind Direction</b>	248	251	270	245	250

**Kollegala**

<b>Parameter</b>	<b>17.04.2024</b>	<b>18.04.2024</b>	<b>19.04.2024</b>	<b>20.04.2024</b>	<b>21.04.2024</b>
<b>Rainfall (mm)</b>	0	0.2	0.2	0.4	0.4
<b>Max. temp (°C)</b>	34.8	34.5	33.8	33.9	33.5
<b>Min.Temp (°C)</b>	19.4	20.4	20.9	22.4	21.9
<b>Sky condition (Octas)</b>	3	6	6	8	8
<b>Relative humidity (%) 0830 hours</b>	72	80	79	66	69
<b>Relative humidity (%) 1730 hours</b>	15	23	28	26	28
<b>Wind Speed (kmph)</b>	10	9	8	8	10
<b>Wind Direction</b>	243	285	240	259	255

## Yelandur

Parameter	17.04.2024	18.04.2024	19.04.2024	20.04.2024	21.04.2024
Rainfall (mm)	0	0.3	0.2	0.4	0.3
Max. temp (°C)	33	32.6	31.9	31.9	31.2
Min.Temp (°C)	18.3	19.1	19.6	21.1	20.6
Sky condition (Octas)	3	6	7	8	8
Relative humidity (%) 0830 hours	71	82	82	67	70
Relative humidity (%) 1730 hours	16	23	29	27	30
Wind Speed (kmph)	10	10	10	8	10
Wind Direction	248	285	214	285	261

- 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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