

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



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AMFU, OFRS, NAGANAHALLI,  
MYSURU - 570003**



Date: 02-04-2024

**AGRO-ADVISORY BULLETIN FOR CHAMARAJANAGARA DISTRICT**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

**Weather forecast for the next five days (From 03-03-2024 to 07-04-2024)**

Parameter	03.04.2024	04.04.2024	05.04.2024	06.04.2024	07.04.2024
Rainfall (mm)	0	0	0	0	0
Max. Temp. (°C)	36	36	37	37	36
Min.Temp. (°C)	17.5	20	20	19	20
Sky condition (Octas)	1	2	4	4	2
Relative humidity (%) 0830 hours	73	70	68	59	70
Relative humidity (%) 1730 hours	20	21	19	17	16
Wind Speed (kmph)	8	8	9	10	10
Wind Direction	165	125	115	155	125

**Forecast Summary**

As forecast received from IMD, Clear sky with no rainfall may be expected from 03.04.2024 to 07.04.2024 in Chamarajanagara district. The day temperature is expected to be 36-37°C & night temperature is expected 17.5-20°C. The relative humidity in the morning hours is expected to be 59-73% & afternoon relative humidity is expected to be in the range of 16-21%. Wind speed expected to be 8-10 km/ hr.

**Recommendations to the farmers:**

Crop	Pest/Disease	Damage symptoms	Control measures
		<ul style="list-style-type: none"> <li>Mulch the crop with crop residues it will minimize water loss through evapotranspiration.</li> <li>Farmers should provide protective irrigation if rainfall does not occur at the critical stage of crop growth.</li> <li>Take deep summer ploughing after harvesting of Rabi crops, due to overturning of the soil in summer ploughing the sharp rays of sun enters the soil and kills the eggs, larvae and pupae of pests. This avoids the spread of the pests in the next growing season.</li> <li>Due to dry weather prevail for next four days, farmers may take up irrigation to the dry land horticultural crops and other field crops depending on soil and crop condition.</li> <li>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.</li> </ul>	
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</li> </ul>	

		<p>plants at damaged portion due to wind.</p> <ul style="list-style-type: none"> <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 caterpillar	<p>Remove and burn the severely affected fronds.</p> <p>On community basis feed the Manocrotophos 36 SL. to the palm through root.</p> <p><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.</p> <p>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 03-04-2024 to 07-04-2024)

Chamarajanagara					
Parameter	03.04.2024	04.04.2024	05.04.2024	06.04.2024	07.04.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	31.4	31.7	31.8	32.3	32.3
Min.Temp (°C)	18.7	17.9	18.4	18.1	17.8
Sky condition (Octas)	3	1	0	2	0
Relative humidity (%) 0830 hours	72	81	70	62	66
Relative humidity (%) 1730 hours	22	21	18	17	16

Wind Speed (kmph)	7	8	8	8	9
Wind Direction	252	288	75	252	252

### Gundlupete

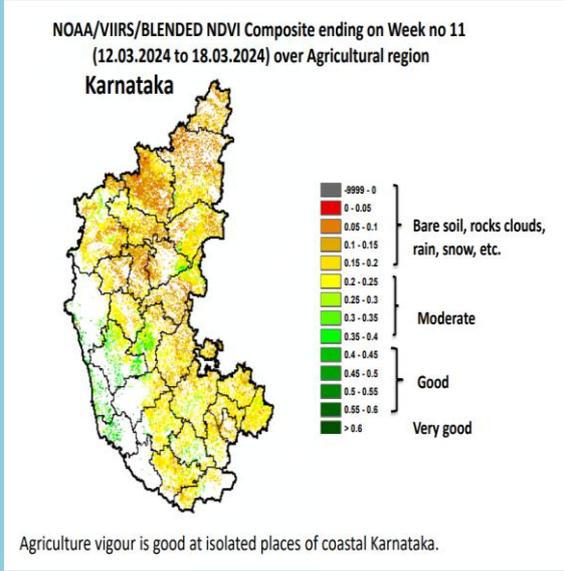
Parameter	03.04.2024	04.04.2024	05.04.2024	06.04.2024	07.04.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	31.2	31.9	31.8	32.2	32.4
Min.Temp (°C)	18.6	18	18.2	18	17.8
Sky condition (Octas)	3	1	0	2	0
Relative humidity (%) 0830 hours	76	80	73	65	75
Relative humidity (%) 1730 hours	20	19	19	17	17
Wind Speed (kmph)	9	11	11	10	12
Wind Direction	236	108	214	68	236

### Kollegala

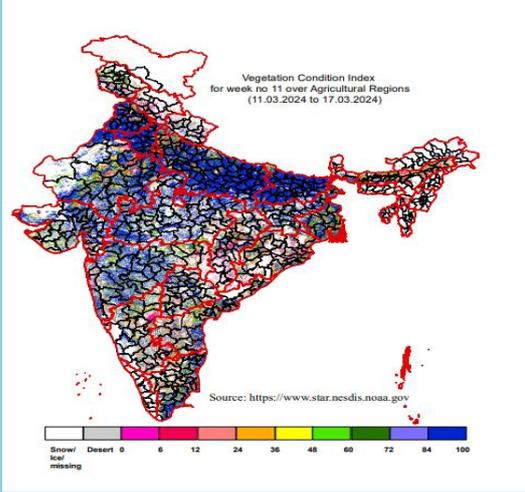
Parameter	03.04.2024	04.04.2024	05.04.2024	06.04.2024	07.04.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	34	34.6	34.7	34.9	35.6
Min.Temp (°C)	20.5	19.6	20	19.8	19.6
Sky condition (Octas)	3	1	0	2	0
Relative humidity (%) 0830 hours	75	87	73	71	70
Relative humidity (%) 1730 hours	19	20	17	15	15
Wind Speed (kmph)	7	9	10	9	10
Wind Direction	23	252	90	68	252

### Yelandur

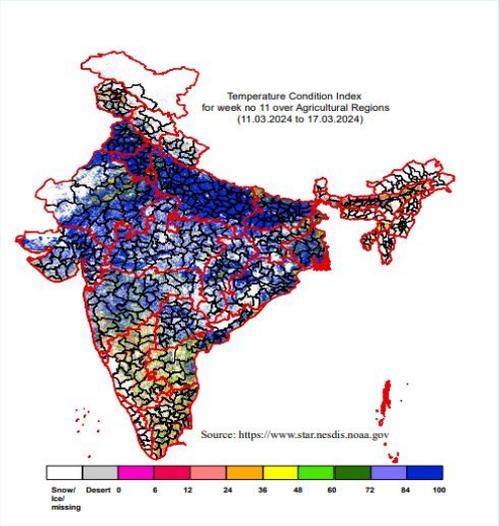
Parameter	03.04.2024	04.04.2024	05.04.2024	06.04.2024	07.04.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	32.3	32.8	32.9	33.2	33.6
Min.Temp (°C)	19.2	18.4	18.9	18.6	18.4
Sky condition (Octas)	3	1	0	2	0
Relative humidity (%) 0830 hours	75	86	74	68	70
Relative humidity (%) 1730 hours	21	21	17	16	15
Wind Speed (kmph)	7	9	9	9	9
Wind Direction	252	288	248	68	252



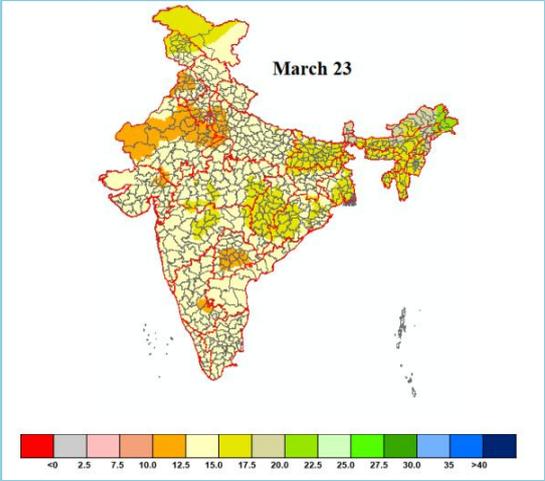
### Vegetation Condition Index



### Temperature Condition Index



### Forecasted soil moisture



Farmers facing high temperatures, low soil moisture and reduced vegetation should prioritize efficient irrigation techniques, such as drip irrigation and implement mulching to conserve moisture and mitigate evaporation. Opting for drought-resistant crops and employing soil conservation methods like cover cropping can help maintain soil health and resilience.

- 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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