

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



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MYSURU - 570003**



Date: 01-03-2024

**AGRO-ADVISORY BULLETIN FOR CHAMARAJANAGARA DISTRICT**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

**Weather forecast for the next five days (From 02-03-2024 to 06-03-2024)**

<b>Parameter</b>	<b>02.03.2024</b>	<b>03.03.2024</b>	<b>04.03.2024</b>	<b>05.03.2024</b>	<b>06.03.2024</b>
Rainfall (mm)	0	0	0	0	0
Max. Temp. (°C)	34	33	33	33	32
Min.Temp. (°C)	20	21	21	21	21
Sky condition (Octas)	1	2	1	1	1
Relative humidity (%) 0830 hours	70	72	72	71	71
Relative humidity (%) 1730 hours	25	27	27	22	22
Wind Speed (kmph)	2	1	1	1	1
Wind Direction	122	124	124	135	135

**Forecast Summary**

As forecast received from IMD, Cloudy sky with no rainfall may be expected from 02.03.2024 to 06.03.2024 in Chamarajanagara district. The day temperature is expected to be 32-34°C & night temperature is expected 20-21°C. The relative humidity in the morning hours is expected to be 70-72% & afternoon relative humidity is expected to be in the range of 22-27%. Wind speed expected to be 1-2 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>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 avoid 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> </ul>	
Coconut	Black headed caterpillar	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	

		<p>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>
Cowpea	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>
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>
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 02-03-2024 to 07-03-2024)

Chamarajanagara					
Parameter	02.03.2024	03.03.2024	04.03.2024	05.03.2024	06.03.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	27.6	27.9	28.3	29	30.1
Min.Temp (°C)	14.8	15	15.9	16.2	16.8
Sky condition (Octas)	5	7	4	4	3
Relative humidity (%) 0830 hours	56	58	42	51	49
Relative humidity (%) 1730 hours	22	16	18	19	20
Wind Speed (kmph)	13	10	9	9	7
Wind Direction	148	180	153	146	153

Gundlupete					
Parameter	02.03.2024	03.03.2024	04.03.2024	05.03.2024	06.03.2024

<b>Rainfall (mm)</b>	0	0	0	0	0
<b>Max. temp (°C)</b>	27.2	27.5	27.7	28.7	28.9
<b>Min.Temp (°C)</b>	15	14.9	15.9	16.2	16.9
<b>Sky condition (Octas)</b>	6	7	4	4	3
<b>Relative humidity (%) 0830 hours</b>	55	63	47	51	50
<b>Relative humidity (%) 1730 hours</b>	23	16	18	18	21
<b>Wind Speed (kmph)</b>	15	11	9	9	8
<b>Wind Direction</b>	135	116	120	158	165

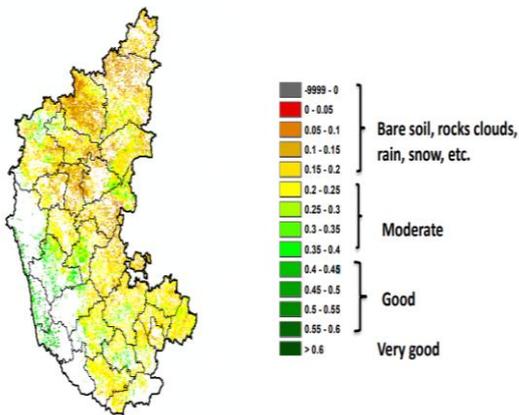
### Kollegala

<b>Parameter</b>	<b>02.03.2024</b>	<b>03.03.2024</b>	<b>04.03.2024</b>	<b>05.03.2024</b>	<b>06.03.2024</b>
<b>Rainfall (mm)</b>	0	0	0	0	0
<b>Max. temp (°C)</b>	30.5	30.8	31.2	32	32.1
<b>Min.Temp (°C)</b>	16.1	16.6	17.3	17.8	18.4
<b>Sky condition (Octas)</b>	5	7	4	4	3
<b>Relative humidity (%) 0830 hours</b>	58	57	45	54	50
<b>Relative humidity (%) 1730 hours</b>	20	15	17	18	20
<b>Wind Speed (kmph)</b>	12	10	8	8	6
<b>Wind Direction</b>	117	124	135	191	169

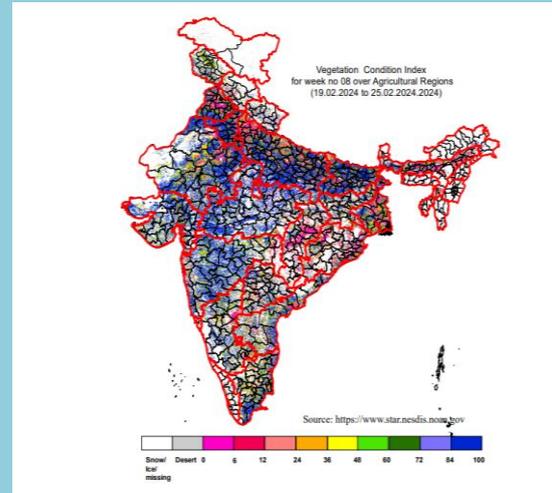
### Yelandur

<b>Parameter</b>	<b>02.03.2024</b>	<b>03.03.2024</b>	<b>04.03.2024</b>	<b>05.03.2024</b>	<b>06.03.2024</b>
<b>Rainfall (mm)</b>	0	0	0	0	0
<b>Max. temp (°C)</b>	28.8	29.1	29.5	30.3	30.9
<b>Min.Temp (°C)</b>	15.1	15.5	16.3	16.7	17.4
<b>Sky condition (Octas)</b>	5	7	4	4	3
<b>Relative humidity (%) 0830 hours</b>	57	59	45	54	50
<b>Relative humidity (%) 1730 hours</b>	21	16	18	19	20
<b>Wind Speed (kmph)</b>	12	10	8	8	6
<b>Wind Direction</b>	122	124	135	135	161

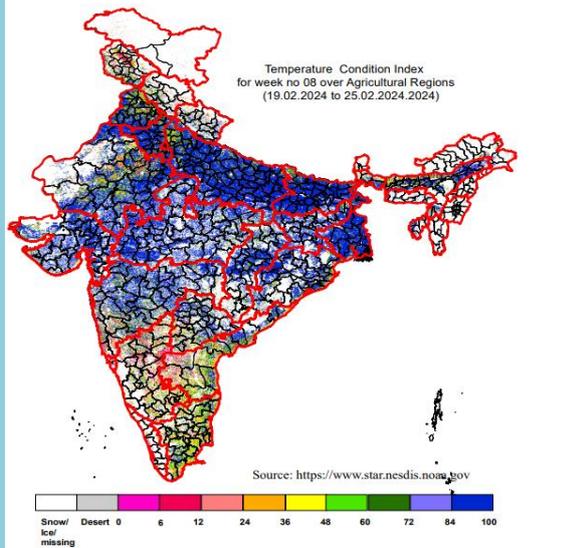
NOAA/VIIRS/BLENDED NDVI Composite ending on Week no 08  
(19.02.2024 to 25.02.2024) over Agricultural region  
Karnataka



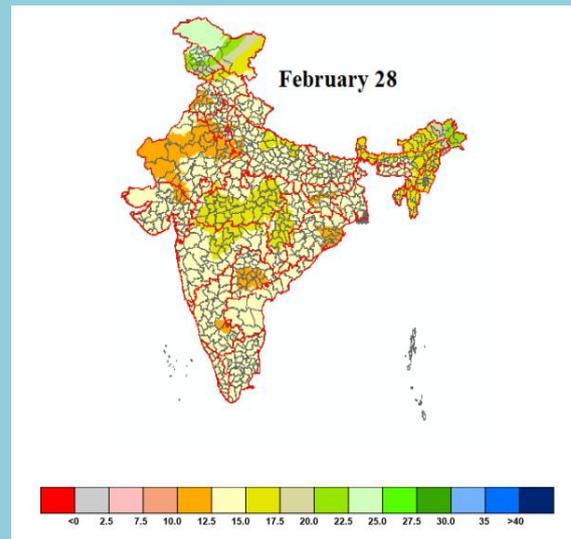
### Vegetation Condition Index



### 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. Additionally, monitoring for pests and diseases while diversifying crops can contribute to sustaining agricultural productivity under challenging environmental conditions.

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

**AMFU of IMD,  
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