

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



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MYSURU - 570003**



Date: 07-03-2024

AGRO-ADVISORY BULLETIN FOR CHAMARAJANAGARA DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Weather forecast for the next five days (From 08-03-2024 to 12-03-2024)

Parameter	08.03.2024	09.03.2024	10.03.2024	11.03.2024	12.03.2024
Rainfall (mm)	0	0	0	0	0
Max. Temp. (°C)	37.3	39.4	37.8	37	37.4
Min.Temp. (°C)	16.8	16.5	17.2	15.7	14.8
Sky condition (Octas)	5	3	5	4	1
Relative humidity (%) 0830 hours	48	50	59	55	52
Relative humidity (%) 1730 hours	22	20	21	22	18
Wind Speed (kmph)	7	7	7	10	11
Wind Direction	135	161	154	135	135

Forecast Summary

As forecast received from IMD, Cloudy sky with no rainfall may be expected from 08.03.2024 to 12.03.2024 in Chamarajanagara district. The day temperature is expected to be 37-39.4°C & night temperature is expected 14.8-17.2°C. The relative humidity in the morning hours is expected to be 48-59% & afternoon relative humidity is expected to be in the range of 18-22%. Wind speed expected to be 7-11 km/ hr.

Recommendations to the farmers:

Crop	Pest/Disease	Damage symptoms	Control measures
		<ul style="list-style-type: none"> 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. 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. 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. 	
Cowpea	Aphids	<ul style="list-style-type: none"> 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. 	

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>Method: 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>
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"> • Maximum temperature expected to rise in coming days so tie the livestock animals in shade / cool place. • 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. • Arrangements should be made so that air can flow easily in the cattle shed. • Clean water should be given to the cattles. • 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.

Block level weather forecast (From 08-03-2024 to 12-03-2024)

Chamarajanagara					
Parameter	08.03.2024	09.03.2024	10.03.2024	11.03.2024	12.03.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	30.1	30.1	31.5	29.9	29.6
Min.Temp (°C)	17	17.1	17.6	16.5	15.4
Sky condition (Octas)	5	2	4	3	2
Relative humidity (%) 0830 hours	42	47	50	61	50
Relative humidity (%) 1730 hours	20	22	18	22	19
Wind Speed (kmph)	8	7	7	11	12
Wind Direction	124	154	158	153	152

Gundlupete

Parameter	08.03.2024	09.03.2024	10.03.2024	11.03.2024	12.03.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	29.4	30.1	30.1	29.8	29.3
Min.Temp (°C)	16.9	17	17.4	16.8	15.7
Sky condition (Octas)	4	2	3	4	2
Relative humidity (%) 0830 hours	49	55	50	57	46
Relative humidity (%) 1730 hours	20	22	19	22	21
Wind Speed (kmph)	9	7	7	11	14
Wind Direction	199	191	90	135	144

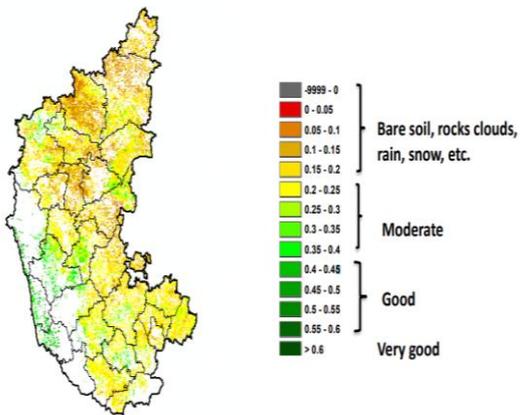
Kollegala

Parameter	08.03.2024	09.03.2024	10.03.2024	11.03.2024	12.03.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	32.7	32.5	33.7	32.9	33.1
Min.Temp (°C)	18.4	18.6	19.3	18.1	16.6
Sky condition (Octas)	5	3	4	3	2
Relative humidity (%) 0830 hours	45	47	52	58	49
Relative humidity (%) 1730 hours	19	22	18	21	18
Wind Speed (kmph)	7	7	7	10	12
Wind Direction	191	158	165	122	135

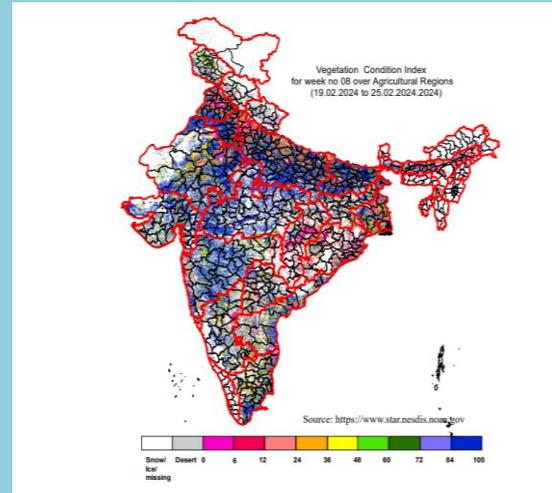
Yelandur

Parameter	08.03.2024	09.03.2024	10.03.2024	11.03.2024	12.03.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	31.5	30.9	32.6	31.1	31.1
Min.Temp (°C)	17.5	17.5	18.2	17	15.7
Sky condition (Octas)	5	3	4	3	2
Relative humidity (%) 0830 hours	44	47	51	60	50
Relative humidity (%) 1730 hours	19	22	18	21	18
Wind Speed (kmph)	7	8	6	10	12
Wind Direction	124	154	160	122	144

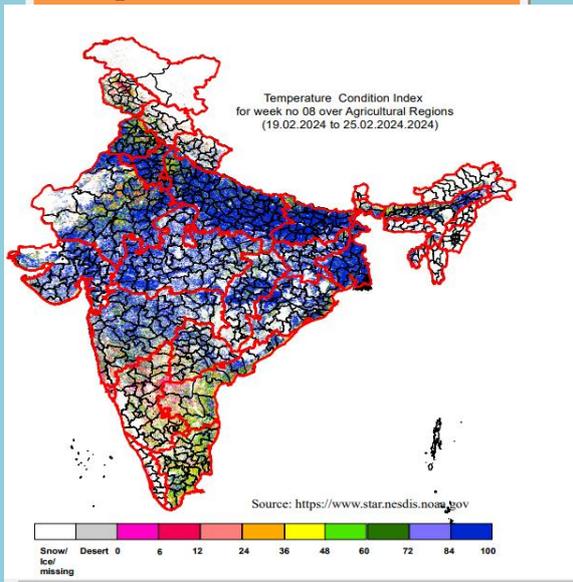
NOAA/VIIRS/BLENDED NDVI Composite ending on Week no 08
(19.02.2024 to 25.02.2024) over Agricultural region
Karnataka



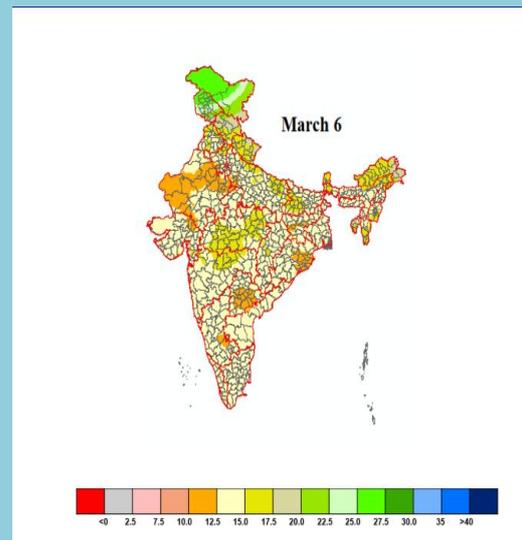
Vegetation Condition Index



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.

- Download “DAMINI” app to get early warning on lightning 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
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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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