

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



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AMFU, OFRS, NAGANAHALLI,
MYSURU - 570003**



Date: 12-03-2024

AGRO-ADVISORY BULLETIN FOR CHAMARAJANAGARA DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Weather forecast for the next five days (From 13-03-2024 to 17-03-2024)

Parameter	13.03.2024	14.03.2024	15.03.2024	16.03.2024	17.03.2024
Rainfall (mm)	0	0	0	0	0
Max. Temp. (°C)	36	36	36	36	36
Min.Temp. (°C)	22	22	23	23	23
Sky condition (Octas)	1	2	2	1	1
Relative humidity (%) 0830 hours	51	51	47	47	47
Relative humidity (%) 1730 hours	28	28	28	25	25
Wind Speed (kmph)	2	1	1	1	2
Wind Direction	199	202	195	146	148

Forecast Summary

As forecast received from IMD, Cloudy sky with no rainfall may be expected from 13.03.2024 to 17.03.2024 in Chamarajanagara district. The day temperature is expected to be 36°C & night temperature is expected 22-23°C. The relative humidity in the morning hours is expected to be 47-51% & afternoon relative humidity is expected to be in the range of 25-28%. Wind speed expected to be 1-2 km/ hr.

Recommendations to the farmers:

Crop	Pest/Disease	Damage symptoms	Control measures
		<ul style="list-style-type: none"> Mulching with crop residues in crop fields will minimize water loss through evapotranspiration. Farmers should provide protective irrigation if rainfall does not occur at the critical stage of crop growth. 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. 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. 	
Banana	Pseudostem	<ul style="list-style-type: none"> The grubs bore the pseudostem, affected plants with 	

	borer	<p>number of holes on pseudostem, breaking of infested plants at damaged portion due to wind.</p> <ul style="list-style-type: none"> • 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.
Cowpea/Black gram	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 13-03-2024 to 17-03-2024)

Chamarajanagara					
Parameter	13.03.2024	14.03.2024	15.03.2024	16.03.2024	17.03.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	29	29.9	30.2	30.1	29.7

Min.Temp (°C)	16.2	16.3	17.7	17.5	15.8
Sky condition (Octas)	0	0	2	2	0
Relative humidity (%) 0830 hours	52	81	42	50	48
Relative humidity (%) 1730 hours	22	22	22	23	21
Wind Speed (kmph)	9	7	5	9	12
Wind Direction	165	248	203	154	146

Gundlupete

Parameter	13.03.2024	14.03.2024	15.03.2024	16.03.2024	17.03.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	28.7	29.7	30.1	29.5	29.8
Min.Temp (°C)	16.1	16.4	17.6	17.6	16.2
Sky condition (Octas)	0	0	1	1	0
Relative humidity (%) 0830 hours	60	86	51	50	48
Relative humidity (%) 1730 hours	24	21	22	22	21
Wind Speed (kmph)	10	8	6	9	12
Wind Direction	199	248	68	158	146

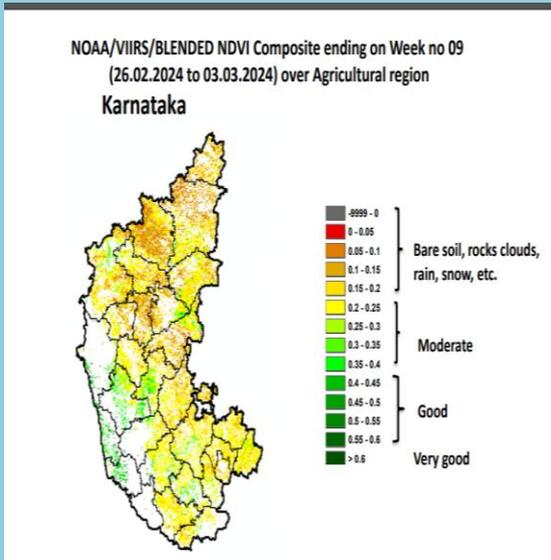
Kollegala

Parameter	13.03.2024	14.03.2024	15.03.2024	16.03.2024	17.03.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	32.3	32.4	32.5	32.6	32.8
Min.Temp (°C)	18	18.5	19.4	19.5	17.8
Sky condition (Octas)	1	0	2	2	0
Relative humidity (%) 0830 hours	53	81	51	49	48
Relative humidity (%) 1730 hours	20	22	24	22	20
Wind Speed (kmph)	10	8	5	8	11
Wind Direction	191	252	285	150	126

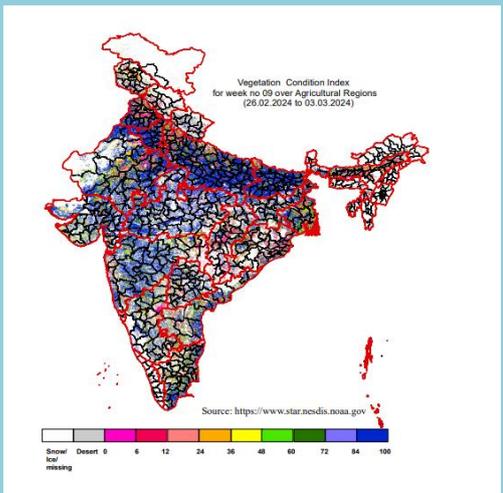
Yelandur

Parameter	13.03.2024	14.03.2024	15.03.2024	16.03.2024	17.03.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	30.4	30.9	31	31.2	30.8
Min.Temp (°C)	16.9	17.1	18.2	18.2	16.5
Sky condition (Octas)	0	0	2	2	0
Relative humidity (%) 0830 hours	53	82	49	50	48

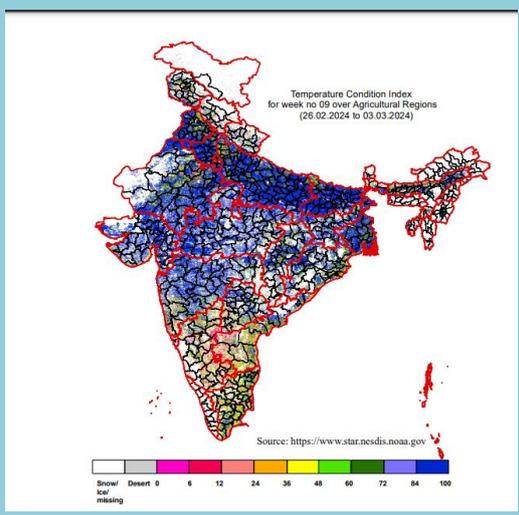
Relative humidity (%) 1730 hours	21	22	23	22	20
Wind Speed (kmph)	10	8	5	8	11
Wind Direction	191	248	180	150	135



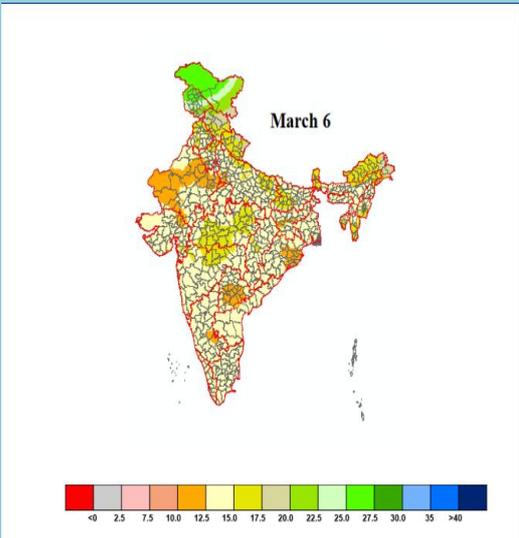
Vegetation Condition Index



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
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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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