

**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 MANDYA DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data			
Parameter	10.03.2024	11.03.2024	12.03.2024
Rainfall (mm)	0	0	0
Max. Temp. (°C)	36.6	35.2	36.6
Min. Temp. (°C)	23.5	20.2	19.8
Sky condition (Octas)	4	2	2
Relative humidity (%) 0830 hours	70	60	69
Relative humidity (%) 1730 hours	32	34	34
Wind Speed (km/h)	6	0	4
Wind Direction	140	0	140

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)	21	22	22	23	22
Sky condition (Octas)	1	2	2	1	1
Relative humidity (%) 0830 hours	69	69	69	66	66
Relative humidity (%) 1730 hours	33	33	33	31	31
Wind Speed (kmph)	2	1	1	1	2
Wind Direction	195	240	255	150	146

Forecast Summary

As forecast received from IMD, Clear sky with no rainfall may be expected from 13.03.2024 to 17.03.2024 in Mandya district. The day temperature is expected to be 36°C & night temperature is expected 21-23°C. The relative humidity in the morning hours is expected to be 66-69% & afternoon relative humidity is expected to be in the range of 31-33% per cent. 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 borer	<ul style="list-style-type: none"> The grubs bore the pseudostem, affected plants with number of holes on pseudostem, breaking of infested plants at damaged portion due to wind. 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. 	
Tomato	Fruit borer	For every 25 rows of tomato grow one row of marigold cultivar African tall. The marigold seedlings about 35-40 days old. If borer problems exceeds 10 per cent spray 4 per cent. NSKE or 1.0 g. Methomil 40 SP. in a lit. water.	
Cowpea/Black gram	Aphids	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.	
watermelon	Sucking pests	For control of sucking insects in water melon install 8 – 10 yellow sticky traps per acre. When the infestation is sever spray melathion 50 EC @ 1 ml/lit water.	
Sugarcane	Trash management	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. Application of fluorotous microbes at 5 kg /acre on trash or 1 -1.5 t press mud will enhance the fast degradation of trash.	
Coconut	Black headed caterpillar	Remove and burn the severely affected fronds. On community basis feed the Manocrotophos 36 SL. to the palm through root. 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	

	<p>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"> • 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)

Krishnarajpet					
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)	34	35.1	32.9	34.5	34.2
Min.Temp (°C)	16.7	17.2	17.4	18.2	17.5
Sky condition (Octas)	1	2	2	3	2
Relative humidity (%) 0830 hours	90	84	76	71	65
Relative humidity (%) 1730 hours	22	25	33	25	23
Wind Speed (kmph)	10	10	6	8	9
Wind Direction	207	248	285	162	165

Maddur					
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)	35	35.9	35.8	35.5	35.7
Min.Temp (°C)	19.6	20.3	20.7	21.6	19.9
Sky condition (Octas)	1	1	1	2	1
Relative humidity (%) 0830 hours	58	83	79	58	52
Relative humidity (%) 1730 hours	20	22	25	22	21
Wind Speed (kmph)	10	9	7	7	11

Wind Direction	90	244	240	160	148
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Malvalli

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)	33.8	34.7	35	34.6	34.6
Min.Temp (°C)	19	19.6	20.3	20.9	19.1
Sky condition (Octas)	1	0	1	2	0
Relative humidity (%) 0830 hours	56	84	72	51	49
Relative humidity (%) 1730 hours	19	21	23	22	20
Wind Speed (kmph)	10	9	6	8	11
Wind Direction	198	244	248	158	126

Mandya

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)	34.7	35.2	35.1	34.9	35
Min.Temp (°C)	18.6	19.1	19.6	20.4	18.9
Sky condition (Octas)	1	1	1	2	1
Relative humidity (%) 0830 hours	68	83	83	62	53
Relative humidity (%) 1730 hours	20	23	26	22	21
Wind Speed (kmph)	10	10	8	8	11
Wind Direction	191	244	248	158	120

Nagamangala

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)	35.2	35.5	34	35.1	35.1
Min.Temp (°C)	18.6	19.2	19.4	20	19.2
Sky condition (Octas)	1	2	2	3	1
Relative humidity (%) 0830 hours	75	77	76	70	57
Relative humidity (%) 1730 hours	20	25	33	25	23
Wind Speed (kmph)	11	9	7	7	11

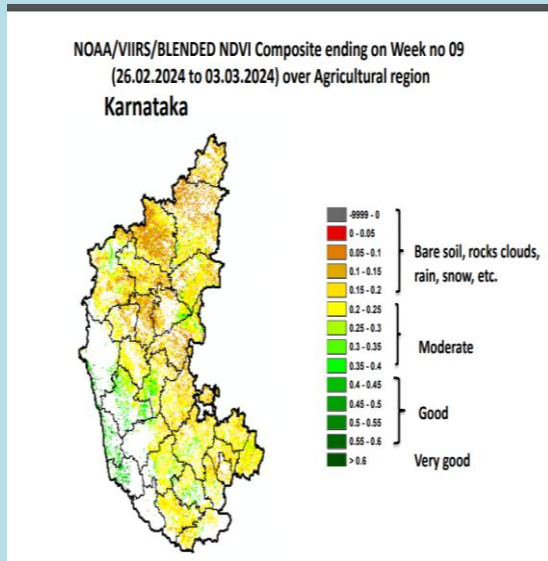
Wind Direction	90	245	248	248	148
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Pandavapura

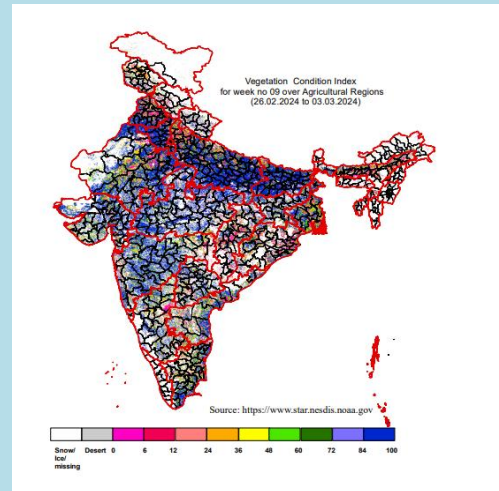
Parameter	13.03.2024	14.03.2024	15.03.2024	16.03.2024	17.03.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	34.1	34.5	34.2	34.5	34.4
Min.Temp (°C)	17.3	17.7	18.1	19	17.9
Sky condition (Octas)	1	1	2	2	1
Relative humidity (%) 0830 hours	82	83	82	68	59
Relative humidity (%) 1730 hours	21	25	29	23	23
Wind Speed (kmph)	10	10	8	8	11
Wind Direction	207	245	255	248	135

Shrirangapattana

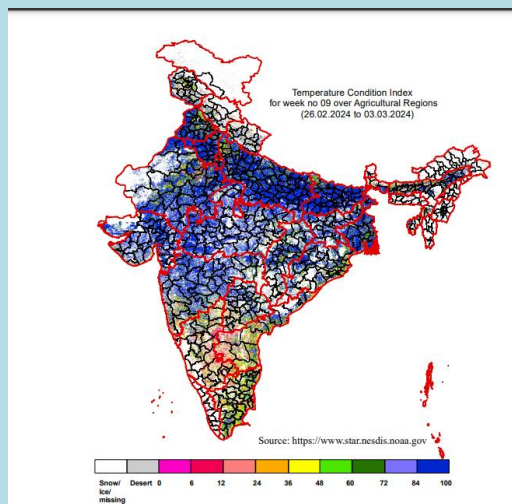
Parameter	13.03.2024	14.03.2024	15.03.2024	16.03.2024	17.03.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	33.4	33.7	33.6	33.9	33.8
Min.Temp (°C)	17	17.4	17.9	18.8	17.6
Sky condition (Octas)	1	1	2	2	1
Relative humidity (%) 0830 hours	78	84	81	64	57
Relative humidity (%) 1730 hours	21	24	27	22	22
Wind Speed (kmph)	11	11	8	8	11
Wind Direction	207	245	248	248	135



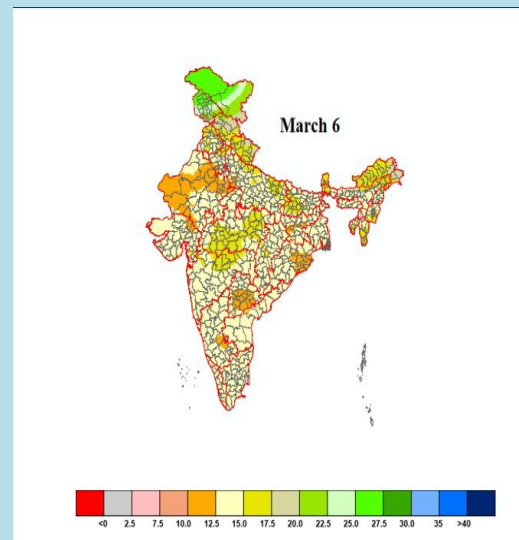
Vegetation Condition Index



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 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

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

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