

UNIVERSITY OF AGRICULTURAL SCIENCES, BENGALURU &
INDIAN METEOROLOGICAL DEPARTMENT



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MYSURU - 570003



Date: 07-03-2024

AGRO-ADVISORY BULLETIN FOR MANDYA DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data

Parameter	06.03.2024	07.03.2024
Rainfall (mm)	0	0
Max. Temp. (°C)	37	36
Min. Temp. (°C)	20.1	19.3
Sky condition (Octas)	2	2
Relative humidity (%) 0830 hours	81	73
Relative humidity (%) 1730 hours	29	33
Wind Speed (km/h)	4	4
Wind Direction	320	360

Weather forecast for the next five days (From 06-03-2024 to 10-03-2024)

Parameter	06.03.2024	07.03.2024	08.03.2024	09.03.2024	10.03.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	36	36.4	35.9	35.6	35.6
Min.Temp (°C)	17.1	16.8	17.5	16.9	15.5
Sky condition (Octas)	3	3	5	4	1
Relative humidity (%) 0830 hours	60	60	58	47	46
Relative humidity (%) 1730 hours	24	19	21	22	18
Wind Speed (kmph)	7	7	8	12	14
Wind Direction	165	214	189	114	116

Forecast Summary

As forecast received from IMD, Cloudy sky with no rainfall may be expected from 06.03.2024 to 10.03.2024 in Mandya district. The day temperature is expected to be 35.6-36.4°C & night temperature is expected 15.5-17.5°C. The relative humidity in the morning hours is expected to be 46-60% & afternoon relative humidity is expected to be in the range of 18-24% per cent. Wind speed expected to be 7-14 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. 			
Tomato	Fruit borer	<p>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.</p>	
Cowpea	Aphids	<p>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.</p>	
watermelon	Sucking pests	<p>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.</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. 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>	
Coconut	Black headed caterpillar	<p>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 insecticide mixture and tie the bag with thread. 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 08-03-2024 to 12-03-2024)

Krishnarajpet

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)	34.9	35.8	34.9	34.7	35.1
Min.Temp (°C)	17.3	17.5	18.1	18.1	16.8
Sky condition (Octas)	3	2	5	5	3
Relative humidity (%) 0830 hours	61	61	72	49	42
Relative humidity (%) 1730 hours	21	16	21	22	19
Wind Speed (kmph)	6	7	9	9	13
Wind Direction	244	243	198	113	111

Maddur

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)	35.4	36.2	35.7	35.5	35.6
Min.Temp (°C)	19.9	20.3	21.2	20.1	18.2
Sky condition (Octas)	5	2	4	4	2
Relative humidity (%) 0830 hours	61	62	58	50	46
Relative humidity (%) 1730 hours	17	18	19	20	19
Wind Speed (kmph)	7	7	8	11	12
Wind Direction	117	214	154	114	113

Malvalli

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)	34.4	35	35.2	34.6	34.6
Min.Temp (°C)	19.3	19.8	20.7	19.3	17.5
Sky condition (Octas)	6	2	4	4	2
Relative humidity (%) 0830 hours	55	55	54	51	46
Relative humidity (%) 1730 hours	17	20	18	20	18

Wind Speed (kmph)	8	7	7	10	12
Wind Direction	113	210	150	117	111

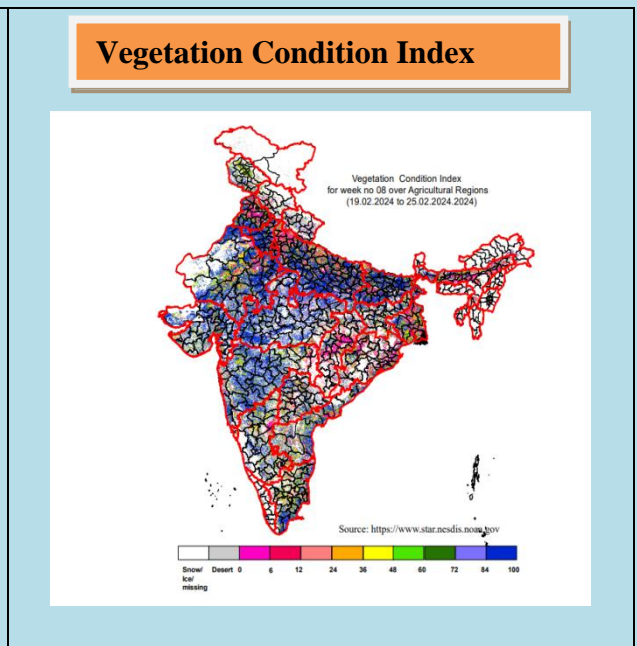
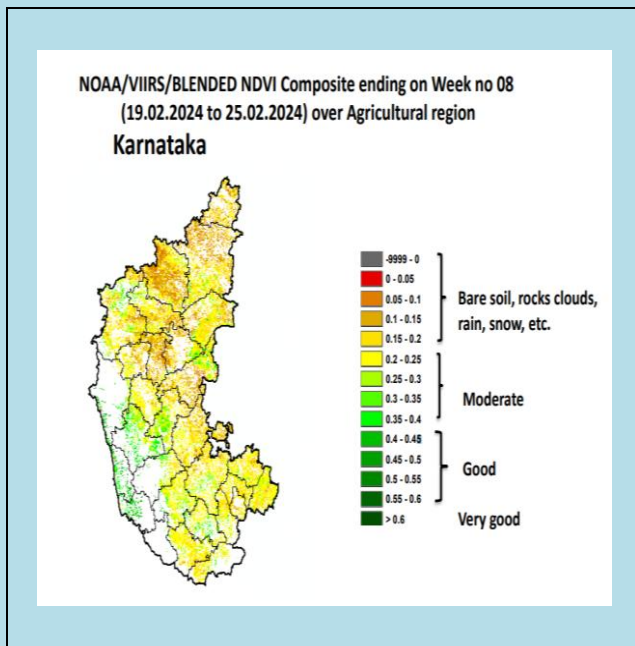
Mandya					
Parameter	08.03.2024	09.03.2024	10.03.2024	11.03.2024	12.03.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	35	35.8	35	35	35.6
Min.Temp (°C)	19.2	19.6	20.4	19.3	17.5
Sky condition (Octas)	5	2	5	4	3
Relative humidity (%) 0830 hours	64	63	62	50	46
Relative humidity (%) 1730 hours	18	19	20	21	18
Wind Speed (kmph)	8	8	9	10	12
Wind Direction	117	120	150	117	113

Nagamangala					
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)	35.2	36.5	35.4	35.2	35.7
Min.Temp (°C)	19.2	19.1	19.9	19.2	17.7
Sky condition (Octas)	4	2	5	4	3
Relative humidity (%) 0830 hours	62	64	69	50	45
Relative humidity (%) 1730 hours	20	15	21	22	19
Wind Speed (kmph)	8	7	10	12	14
Wind Direction	150	225	169	114	117

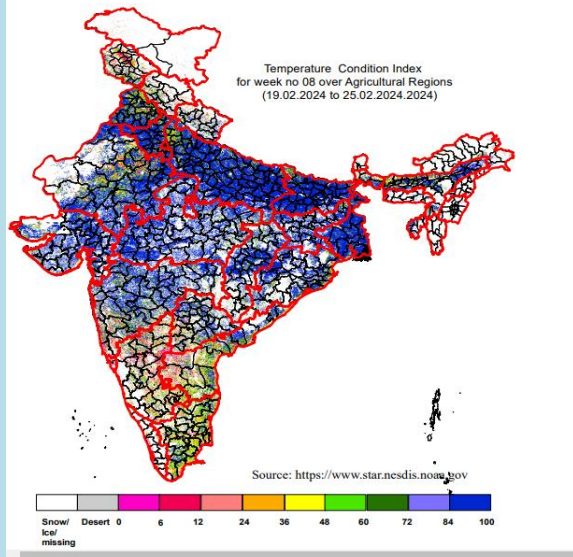
Pandavapura					
Parameter	08.03.2024	09.03.2024	10.03.2024	11.03.2024	12.03.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	34.7	35.5	34.5	34.5	35.2
Min.Temp (°C)	17.9	18.4	18.9	18.4	16.9
Sky condition (Octas)	4	2	5	5	3
Relative humidity (%) 0830 hours	65	62	69	49	44
Relative humidity (%) 1730 hours	19	18	21	22	19

Wind Speed (kmph)	8	8	9	10	13
Wind Direction	248	68	195	116	113

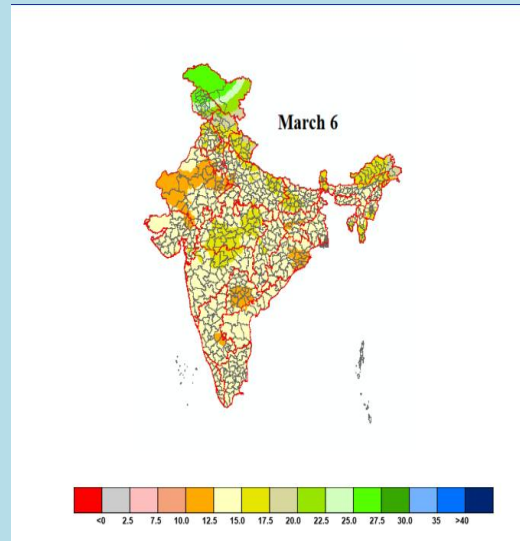
Shrirangapattana					
Parameter	08.03.2024	09.03.2024	10.03.2024	11.03.2024	12.03.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	33.8	34.6	33.9	33.9	34.5
Min.Temp (°C)	17.6	18.1	18.7	18.1	16.6
Sky condition (Octas)	4	2	5	5	3
Relative humidity (%) 0830 hours	64	61	67	49	44
Relative humidity (%) 1730 hours	19	19	20	22	18
Wind Speed (kmph)	8	8	9	11	13
Wind Direction	248	68	195	113	113



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

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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