

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



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AMFU, OFRS, NAGANAHALLI,  
MYSURU - 570003**



**Date: 05-03-2024**

**AGRO-ADVISORY BULLETIN FOR MANDYA DISTRICT**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

<b>Past Weather Data</b>			
<b>Parameter</b>	<b>03.03.2024</b>	<b>04.03.2024</b>	<b>05.03.2024</b>
<b>Rainfall (mm)</b>	0	0	0
<b>Max. Temp. (°C)</b>	35	34.6	36
<b>Min. Temp. (°C)</b>	17.3	18.4	18.9
<b>Sky condition (Octas)</b>	2	2	2
<b>Relative humidity (%) 0830 hours</b>	80	88	76
<b>Relative humidity (%) 1730 hours</b>	29	35	40
<b>Wind Speed (km/h)</b>	4	0	4
<b>Wind Direction</b>	360	0	270

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

<b>Parameter</b>	<b>06.03.2024</b>	<b>07.03.2024</b>	<b>08.03.2024</b>	<b>09.03.2024</b>	<b>10.03.2024</b>
<b>Rainfall (mm)</b>	0	0	0	0	0
<b>Max. temp (°C)</b>	35	34	34	34	34
<b>Min.Temp (°C)</b>	19	19	18	18	18
<b>Sky condition (Octas)</b>	2	2	2	2	2
<b>Relative humidity (%) 0830 hours</b>	88	88	88	91	91
<b>Relative humidity (%) 1730 hours</b>	35	35	35	37	37
<b>Wind Speed (kmph)</b>	2	1	1	1	2
<b>Wind Direction</b>	180	202	244	205	162

**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 34-35°C & night temperature is expected 18-19°C. The relative humidity in the morning hours is expected to be 88-91% & afternoon relative humidity is expected to be in the range of 35-37% 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"> <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>			
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. <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 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"> <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</li> </ul>		

evening time.

**Block level weather forecast (From 06-03-2024 to 10-03-2024)**

**Krishnarajpet**

<b>Parameter</b>	<b>06.03.2024</b>	<b>07.03.2024</b>	<b>08.03.2024</b>	<b>09.03.2024</b>	<b>10.03.2024</b>
<b>Rainfall (mm)</b>	0	0	0	0	0
<b>Max. temp (°C)</b>	34.7	34.7	35.2	35.9	34.9
<b>Min.Temp (°C)</b>	17.4	18.2	18.7	17.7	18.3
<b>Sky condition (Octas)</b>	1	7	7	3	4
<b>Relative humidity (%) 0830 hours</b>	78	63	55	58	70
<b>Relative humidity (%) 1730 hours</b>	18	28	23	15	20
<b>Wind Speed (kmph)</b>	7	6	6	7	8
<b>Wind Direction</b>	117	240	240	252	203

**Maddur**

<b>Parameter</b>	<b>06.03.2024</b>	<b>07.03.2024</b>	<b>08.03.2024</b>	<b>09.03.2024</b>	<b>10.03.2024</b>
<b>Rainfall (mm)</b>	0	0	0	0	0
<b>Max. temp (°C)</b>	35.5	35.8	35.4	36	35.4
<b>Min.Temp (°C)</b>	19.6	20.9	21.4	21.2	21.6
<b>Sky condition (Octas)</b>	2	6	6	3	5
<b>Relative humidity (%) 0830 hours</b>	54	64	56	57	55
<b>Relative humidity (%) 1730 hours</b>	16	20	23	19	21
<b>Wind Speed (kmph)</b>	9	7	6	7	8
<b>Wind Direction</b>	126	169	199	216	167

**Malvalli**

<b>Parameter</b>	<b>06.03.2024</b>	<b>07.03.2024</b>	<b>08.03.2024</b>	<b>09.03.2024</b>	<b>10.03.2024</b>
<b>Rainfall (mm)</b>	0	0	0	0	0
<b>Max. temp (°C)</b>	34.6	34.9	34.4	35.2	34.8
<b>Min.Temp (°C)</b>	18.9	20.4	20.7	21	20.9
<b>Sky condition (Octas)</b>	2	6	6	3	5
<b>Relative humidity (%) 0830 hours</b>	53	58	51	53	52
<b>Relative humidity (%) 1730 hours</b>	16	19	22	19	20

<b>Wind Speed (kmph)</b>	9	5	6	7	8
<b>Wind Direction</b>	126	203	203	225	162

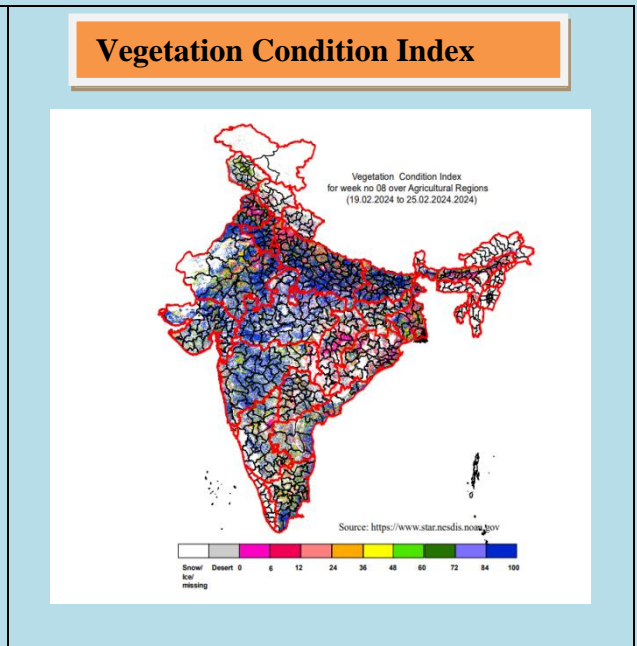
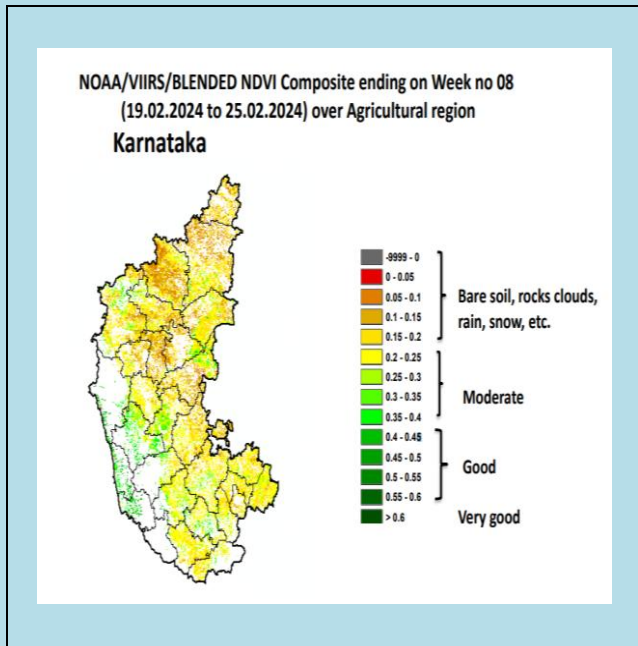
<b>Mandya</b>					
<b>Parameter</b>	<b>06.03.2024</b>	<b>07.03.2024</b>	<b>08.03.2024</b>	<b>09.03.2024</b>	<b>10.03.2024</b>
<b>Rainfall (mm)</b>	0	0	0	0	0
<b>Max. temp (°C)</b>	35	35.4	35.1	36	35
<b>Min.Temp (°C)</b>	19	20.3	20.8	20.6	20.7
<b>Sky condition (Octas)</b>	2	6	7	3	5
<b>Relative humidity (%) 0830 hours</b>	63	67	57	59	59
<b>Relative humidity (%) 1730 hours</b>	17	22	24	19	21
<b>Wind Speed (kmph)</b>	9	8	8	8	9
<b>Wind Direction</b>	120	243	210	210	158

<b>Nagamangala</b>					
<b>Parameter</b>	<b>06.03.2024</b>	<b>07.03.2024</b>	<b>08.03.2024</b>	<b>09.03.2024</b>	<b>10.03.2024</b>
<b>Rainfall (mm)</b>	0	0	0	0	0
<b>Max. temp (°C)</b>	35.5	35	35.7	36.5	35.2
<b>Min.Temp (°C)</b>	19	20	20.3	19.5	20.2
<b>Sky condition (Octas)</b>	1	6	7	3	5
<b>Relative humidity (%) 0830 hours</b>	65	66	52	58	67
<b>Relative humidity (%) 1730 hours</b>	17	27	23	15	21
<b>Wind Speed (kmph)</b>	10	6	6	7	9
<b>Wind Direction</b>	146	225	248	248	189

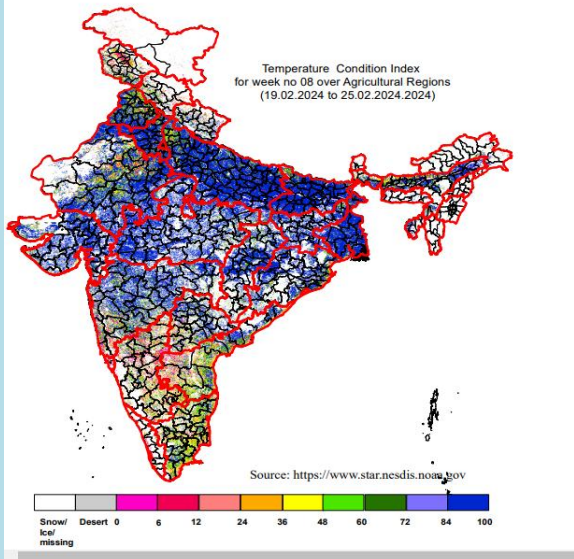
<b>Pandavapura</b>					
<b>Parameter</b>	<b>06.03.2024</b>	<b>07.03.2024</b>	<b>08.03.2024</b>	<b>09.03.2024</b>	<b>10.03.2024</b>
<b>Rainfall (mm)</b>	0	0	0	0	0
<b>Max. temp (°C)</b>	34.7	35	34.8	35.7	34.6
<b>Min.Temp (°C)</b>	17.9	19	19.6	18.9	19.4
<b>Sky condition (Octas)</b>	2	7	7	3	5
<b>Relative humidity (%) 0830 hours</b>	74	67	58	60	65
<b>Relative humidity (%) 1730 hours</b>	18	25	24	18	22

<b>Wind Speed (kmph)</b>	8	8	7	7	9
<b>Wind Direction</b>	113	240	210	234	195

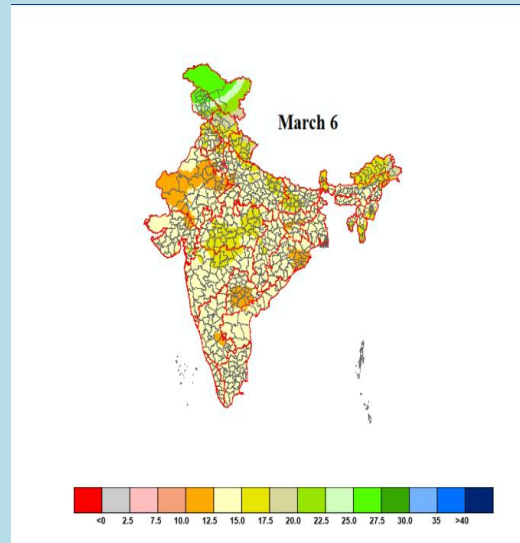
<b>Shrirangapattana</b>					
<b>Parameter</b>	<b>06.03.2024</b>	<b>07.03.2024</b>	<b>08.03.2024</b>	<b>09.03.2024</b>	<b>10.03.2024</b>
<b>Rainfall (mm)</b>	0	0	0	0	0
<b>Max. temp (°C)</b>	34	34.3	34	34.9	34.1
<b>Min.Temp (°C)</b>	17.6	18.7	19.3	18.8	19.2
<b>Sky condition (Octas)</b>	2	7	8	3	5
<b>Relative humidity (%) 0830 hours</b>	72	67	57	59	62
<b>Relative humidity (%) 1730 hours</b>	18	24	24	18	22
<b>Wind Speed (kmph)</b>	8	7	8	8	9
<b>Wind Direction</b>	199	244	243	234	180



### 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](https://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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