

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



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AMFU, OFRS, NAGANAHALLI,  
MYSURU - 570003**



Date: 28-03-2024

**AGRO-ADVISORY BULLETIN FOR MYSURU DISTRICT**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

<b>Past Weather Data</b>			
<b>Parameter</b>	<b>25.03.2024</b>	<b>26.03.2024</b>	<b>27.03.2024</b>
<b>Rainfall (mm)</b>	0	0	0
<b>Max. Temp. (°C)</b>	35.1	35.6	35.9
<b>Min. Temp. (°C)</b>	17.8	-	-
<b>Sky condition (Octas)</b>	2	2	0
<b>Relative humidity (%) 0830 hours</b>	0	3	0
<b>Relative humidity (%) 1730 hours</b>	53	53	53
<b>Wind Speed (km/h)</b>	29	27	27
<b>Wind Direction</b>	4	2	2

**Weather forecast for the next five days (From 29-03-2024 to 02-04-2024)**

<b>Parameter</b>	<b>29.03.2024</b>	<b>30.03.2024</b>	<b>31.03.2024</b>	<b>01.04.2024</b>	<b>02.04.2024</b>
<b>Rainfall (mm)</b>	0	0	0	0	0
<b>Max. temp (°C)</b>	36	36	35	36	36
<b>Min.Temp (°C)</b>	20	20	19	20	21
<b>Sky condition (Octas)</b>	3	2	4	3	3
<b>Relative humidity (%) 0830 hours</b>	87	70	87	86	81
<b>Relative humidity (%) 1730 hours</b>	18	18	15	16	17
<b>Wind Speed (kmph)</b>	11	10	12	9	8
<b>Wind Direction</b>	235	110	200	235	240

**Forecast Summary**

As forecast received from IMD, Partially cloudy sky with no rainfall may be expected from 27.03.2024 to 31.03.2024 in Mysuru district. The day temperature is expected to be 35-36°C & night temperature is expected 19-21°C. The relative humidity in the morning hours is expected to be 70-87% & afternoon relative humidity is expected to be in the range of 15-18%. Wind speed expected to be 8-12 km/hr.

**Recommendations to the farmers:**

Crop	Pest/Disease	Damage symptoms	Control measures
<ul style="list-style-type: none"> <li>• Mulch the crop with crop residues it will minimize water loss through evapotranspiration.</li> <li>• <b>Farmers should provide protective irrigation if rainfall does not occur at the critical stage of crop growth.</b></li> <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 avoids 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> <li>• 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.</li> </ul>			
Chilli	Thrips and mites	Symptoms : Severe leaf curling in both upward and downward directions, elongated petiole, Yellow mixed green leaves, the irregular leaf size with curled leaves, stunted growth of the plants.	Management: spray 2.5 ml. Dicofol 18.5 EC or 0.3 ml. Imidacloprid 17.8 SL./lit. water. Repeat the spray at an interval of 10 days, around 200 lit. spray solution/acre/spray.
Bean	Yellow mosaic virus	Yellow mixed green coloured leaves, stunted growth, to manage this disease uproot the infected plants and spray Imidocloprid 17.8 SL @ 0.5ml/lit.of water.	
Maize	Fall army worm	5% damage - Application of 5% neem seed kernel extract (NSKE) or azadirachtin 1500ppm @ 5ml/litre (1 litre/acre)of water. 10% damage- Whorl application of any one of the recommended insecticides for FAW, viz.,Chlorantraniliprole 18.5 SC (80 ml/acre) @ 0.4 ml/litre or Spinetoram 11.7 %SC (100ml/acre) @ 0.5 ml/litre or Emamectin benzoate 5% SG (80g/acre) @ 0.4g/litre.	
Banana	Pseudostem borer	<ul style="list-style-type: none"> <li>• The grubs bore the pseudostem, affected plants with number of holes on pseudostem, breaking of infested plants at damaged portion due to wind.</li> <li>• 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.</li> </ul>	
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 or azadirachtin 1500ppm @ 5ml/litre.	

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 catterpillar	Remove and burn the severly 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.
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 evening time.</li> </ul>

### Block level weather forecast (From 29-03-2024 to 02-04-2024)

H.D. Kote					
Parameter	29.03.2024	30.03.2024	31.03.2024	01.04.2024	02.04.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	32.7	33.5	33.4	33.8	33.5
Min.Temp (°C)	17.9	18.1	16.9	17	17.8
Sky condition (Octas)	3	2	3	4	4
Relative humidity (%) 0830 hours	88	83	93	95	84

<b>Relative humidity (%) 1730 hours</b>	15	17	14	13	15
<b>Wind Speed (kmph)</b>	13	11	14	13	12
<b>Wind Direction</b>	248	248	236	244	244

### Hunsuru

<b>Parameter</b>	<b>29.03.2024</b>	<b>30.03.2024</b>	<b>31.03.2024</b>	<b>01.04.2024</b>	<b>02.04.2024</b>
<b>Rainfall (mm)</b>	0	0	0	0	0
<b>Max. temp (°C)</b>	33.4	34	34.2	34.4	34.2
<b>Min.Temp (°C)</b>	17	17.5	15.9	16.3	17.2
<b>Sky condition (Octas)</b>	3	2	3	3	4
<b>Relative humidity (%) 0830 hours</b>	85	78	93	92	79
<b>Relative humidity (%) 1730 hours</b>	15	19	15	14	17
<b>Wind Speed (kmph)</b>	12	10	13	12	11
<b>Wind Direction</b>	248	248	113	244	244

### K.R. Nagara

<b>Parameter</b>	<b>29.03.2024</b>	<b>30.03.2024</b>	<b>31.03.2024</b>	<b>01.04.2024</b>	<b>02.04.2024</b>
<b>Rainfall (mm)</b>	0	0	0	0	0
<b>Max. temp (°C)</b>	33.5	34.2	34.7	34.5	34.3
<b>Min.Temp (°C)</b>	16.4	16.9	15.2	15.7	16.8
<b>Sky condition (Octas)</b>	3	2	3	3	5
<b>Relative humidity (%) 0830 hours</b>	84	78	93	88	78
<b>Relative humidity (%) 1730 hours</b>	17	21	16	16	18
<b>Wind Speed (kmph)</b>	10	9	12	11	10
<b>Wind Direction</b>	244	68	113	236	248

### Mysuru

<b>Parameter</b>	<b>29.03.2024</b>	<b>30.03.2024</b>	<b>31.03.2024</b>	<b>01.04.2024</b>	<b>02.04.2024</b>
<b>Rainfall (mm)</b>	0	0	0	0	0
<b>Max. temp (°C)</b>	32.4	33.3	33.9	33.4	33.1
<b>Min.Temp (°C)</b>	16.6	16.6	15.4	15.6	16.5
<b>Sky condition (Octas)</b>	3	2	3	5	5
<b>Relative humidity (%) 0830 hours</b>	85	83	89	91	81
<b>Relative humidity (%) 1730 hours</b>	17	19	15	16	18

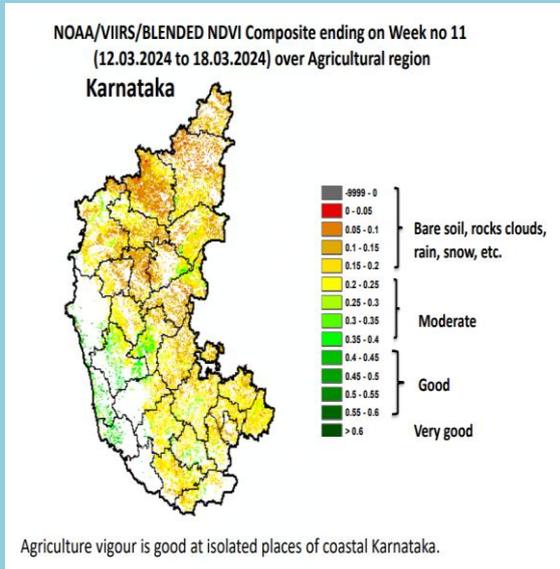
<b>Wind Speed (kmph)</b>	12	11	13	12	11
<b>Wind Direction</b>	248	243	113	243	248

<b>Nanjanagudu</b>					
<b>Parameter</b>	<b>29.03.2024</b>	<b>30.03.2024</b>	<b>31.03.2024</b>	<b>01.04.2024</b>	<b>02.04.2024</b>
<b>Rainfall (mm)</b>	0	0	0	0	0
<b>Max. temp (°C)</b>	31.2	32.3	32.7	32.3	32
<b>Min.Temp (°C)</b>	16.3	16.4	15.3	15.3	16.2
<b>Sky condition (Octas)</b>	3	2	3	4	5
<b>Relative humidity (%) 0830 hours</b>	83	74	78	89	74
<b>Relative humidity (%) 1730 hours</b>	18	18	14	16	17
<b>Wind Speed (kmph)</b>	12	11	13	13	11
<b>Wind Direction</b>	244	243	113	243	248

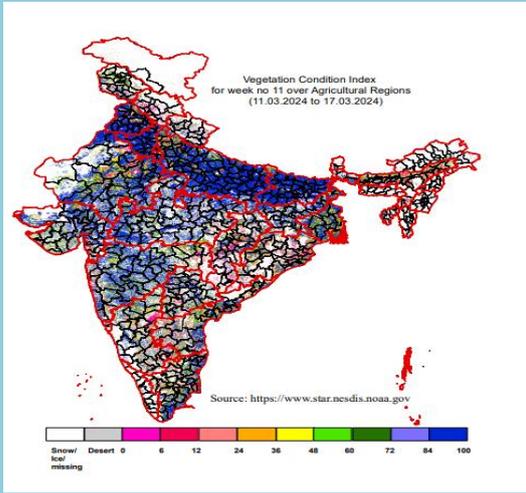
<b>Piriapatna</b>					
<b>Parameter</b>	<b>29.03.2024</b>	<b>30.03.2024</b>	<b>31.03.2024</b>	<b>01.04.2024</b>	<b>02.04.2024</b>
<b>Rainfall (mm)</b>	0	0	0	0	0
<b>Max. temp (°C)</b>	34	34.5	34.4	34.9	35.1
<b>Min.Temp (°C)</b>	17.2	17.8	16.1	16.8	17.7
<b>Sky condition (Octas)</b>	3	2	3	3	4
<b>Relative humidity (%) 0830 hours</b>	88	78	91	92	81
<b>Relative humidity (%) 1730 hours</b>	14	19	14	13	16
<b>Wind Speed (kmph)</b>	12	11	13	12	12
<b>Wind Direction</b>	248	252	244	244	248

<b>T. Narasipura</b>					
<b>Parameter</b>	<b>29.03.2024</b>	<b>30.03.2024</b>	<b>31.03.2024</b>	<b>01.04.2024</b>	<b>02.04.2024</b>
<b>Rainfall (mm)</b>	0	0	0	0	0
<b>Max. temp (°C)</b>	32.7	33.8	34.1	33.8	33.4
<b>Min.Temp (°C)</b>	17.5	17.4	16.4	16.8	17.3
<b>Sky condition (Octas)</b>	3	1	3	4	4
<b>Relative humidity (%) 0830 hours</b>	82	73	69	90	75
<b>Relative humidity (%) 1730 hours</b>	16	17	13	14	15

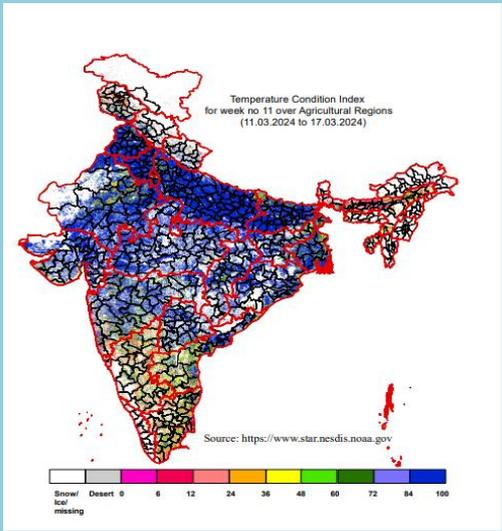
<b>Wind Speed (kmph)</b>	11	11	12	12	10
<b>Wind Direction</b>	252	248	108	248	248



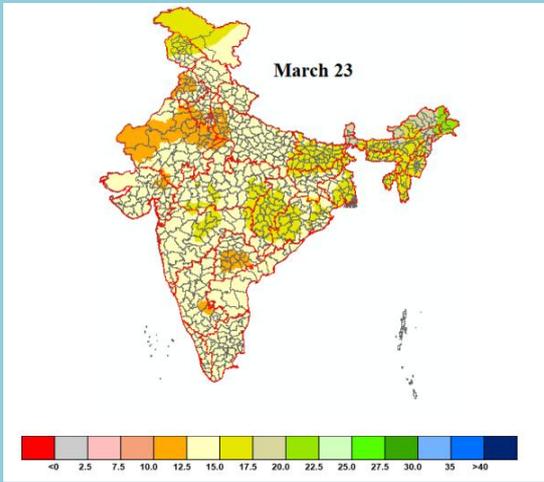
### Vegetation Condition Index



### 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](http://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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