

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



**GRAMIN KRISHI MAUSAM SEWA  
AMFU, OFRS, NAGANAHALLI,  
MYSURU - 570003**



Date: 12-03-2024

**AGRO-ADVISORY BULLETIN FOR MYSURU DISTRICT**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

<b>Past Weather Data</b>			
<b>Parameter</b>	<b>10.03.2024</b>	<b>11.03.2024</b>	<b>12.03.2024</b>
Rainfall (mm)	0	0	0
Max. Temp. (°C)	35.8	35.5	35.1
Min. Temp. (°C)	-	-	-
Sky condition (Octas)	0	0	0
Relative humidity (%) 0830 hours	55	55	51
Relative humidity (%) 1730 hours	25	30	28
Wind Speed (km/h)	2	2	2
Wind Direction	200	250	290

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

<b>Parameter</b>	<b>13.03.2024</b>	<b>14.03.2024</b>	<b>15.03.2024</b>	<b>16.03.2024</b>	<b>17.03.2024</b>
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	1	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	202	248	212	117	116

**Forecast Summary**

As forecast received from IMD, Clear sky with no rainfall may be expected from 13.03.2024 to 17.03.2024 in Mysuru 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"> <li>Mulching with crop residues in crop fields 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>
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.	
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>
<b>Cattle management during summer months</b>		<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 13-03-2024 to 17-03-2024)

<b>H.D. Kote</b>					
<b>Parameter</b>	<b>13.03.2024</b>	<b>14.03.2024</b>	<b>15.03.2024</b>	<b>16.03.2024</b>	<b>17.03.2024</b>
<b>Rainfall (mm)</b>	0	0	0	0	0
<b>Max. temp (°C)</b>	31.2	32.4	32.6	32.8	32.6
<b>Min.Temp (°C)</b>	17.5	18.3	18.4	19.5	18.8
<b>Sky condition (Octas)</b>	0	1	1	2	1
<b>Relative humidity (%) 0830 hours</b>	89	89	83	65	65
<b>Relative humidity (%) 1730 hours</b>	20	22	24	20	18
<b>Wind Speed (kmph)</b>	12	10	9	7	10
<b>Wind Direction</b>	68	248	251	244	116

<b>Hunsuru</b>					
<b>Parameter</b>	<b>13.03.2024</b>	<b>14.03.2024</b>	<b>15.03.2024</b>	<b>16.03.2024</b>	<b>17.03.2024</b>
<b>Rainfall (mm)</b>	0	0	0	0	0
<b>Max. temp (°C)</b>	32.6	33.9	33.1	33.6	33.8
<b>Min.Temp (°C)</b>	16.6	17.1	17.6	18.6	17.9
<b>Sky condition (Octas)</b>	0	1	1	2	2

<b>Relative humidity (%) 0830 hours</b>	91	88	78	69	66
<b>Relative humidity (%) 1730 hours</b>	21	23	28	22	20
<b>Wind Speed (kmph)</b>	11	9	9	8	10
<b>Wind Direction</b>	214	251	270	120	113

### K.R. Nagara

<b>Parameter</b>	<b>13.03.2024</b>	<b>14.03.2024</b>	<b>15.03.2024</b>	<b>16.03.2024</b>	<b>17.03.2024</b>
<b>Rainfall (mm)</b>	0	0	0	0	0
<b>Max. temp (°C)</b>	32.9	34.3	33.4	33.8	33.9
<b>Min.Temp (°C)</b>	16	16.4	16.9	17.8	17.1
<b>Sky condition (Octas)</b>	0	2	1	2	2
<b>Relative humidity (%) 0830 hours</b>	89	86	75	69	65
<b>Relative humidity (%) 1730 hours</b>	22	23	28	23	21
<b>Wind Speed (kmph)</b>	10	9	8	8	10
<b>Wind Direction</b>	198	245	240	158	113

### Mysuru

<b>Parameter</b>	<b>13.03.2024</b>	<b>14.03.2024</b>	<b>15.03.2024</b>	<b>16.03.2024</b>	<b>17.03.2024</b>
<b>Rainfall (mm)</b>	0	0	0	0	0
<b>Max. temp (°C)</b>	31.3	31.6	32	32.4	32.4
<b>Min.Temp (°C)</b>	15.9	16.4	17	17.9	16.7
<b>Sky condition (Octas)</b>	1	2	2	3	2
<b>Relative humidity (%) 0830 hours</b>	76	87	78	60	57
<b>Relative humidity (%) 1730 hours</b>	22	22	24	20	21
<b>Wind Speed (kmph)</b>	11	13	9	9	12
<b>Wind Direction</b>	207	245	255	117	135

### Nanjanagudu

<b>Parameter</b>	<b>13.03.2024</b>	<b>14.03.2024</b>	<b>15.03.2024</b>	<b>16.03.2024</b>	<b>17.03.2024</b>
<b>Rainfall (mm)</b>	0	0	0	0	0
<b>Max. temp (°C)</b>	29.9	30.6	30.7	30.9	31.1
<b>Min.Temp (°C)</b>	15.7	16.1	17.1	17.6	16.2
<b>Sky condition (Octas)</b>	0	1	2	3	1
<b>Relative humidity (%) 0830 hours</b>	67	87	68	55	53

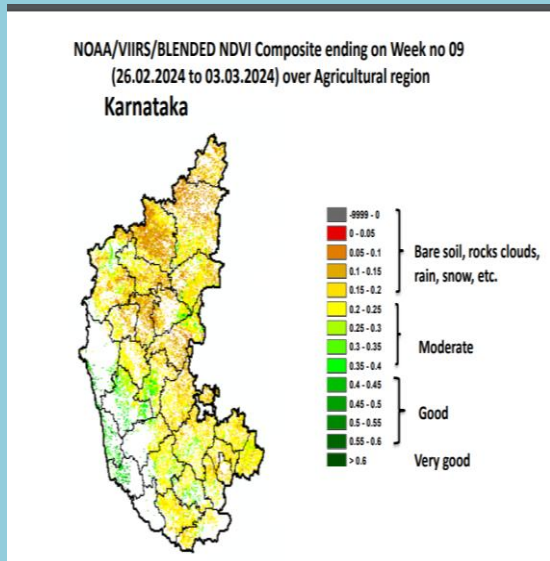
<b>Relative humidity (%) 1730 hours</b>	22	20	23	21	20
<b>Wind Speed (kmph)</b>	11	13	8	10	12
<b>Wind Direction</b>	207	245	248	113	135

### Periapatna

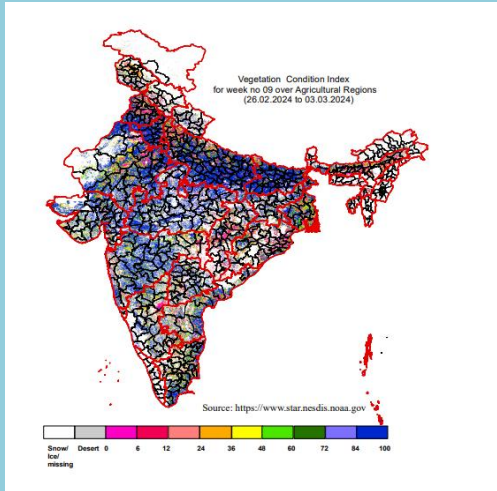
<b>Parameter</b>	<b>13.03.2024</b>	<b>14.03.2024</b>	<b>15.03.2024</b>	<b>16.03.2024</b>	<b>17.03.2024</b>
<b>Rainfall (mm)</b>	0	0	0	0	0
<b>Max. temp (°C)</b>	33.4	34	33	33.1	34.2
<b>Min.Temp (°C)</b>	16.9	17.1	17.9	18.4	18.1
<b>Sky condition (Octas)</b>	0	0	1	1	1
<b>Relative humidity (%) 0830 hours</b>	91	91	77	71	67
<b>Relative humidity (%) 1730 hours</b>	21	28	33	26	21
<b>Wind Speed (kmph)</b>	10	9	8	8	8
<b>Wind Direction</b>	75	248	270	225	113

### T. Narasipura

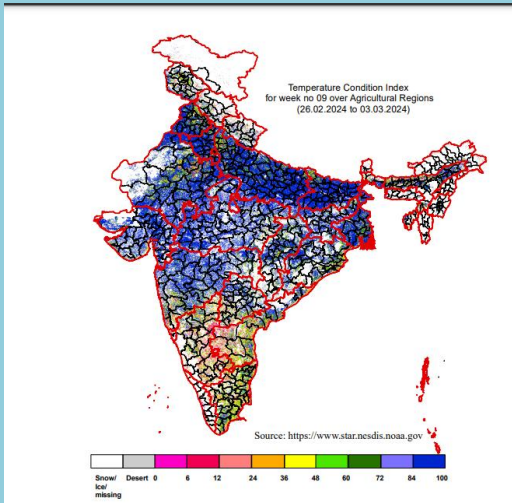
<b>Parameter</b>	<b>13.03.2024</b>	<b>14.03.2024</b>	<b>15.03.2024</b>	<b>16.03.2024</b>	<b>17.03.2024</b>
<b>Rainfall (mm)</b>	0	0	0	0	0
<b>Max. temp (°C)</b>	31.5	31.8	32.4	32	32.1
<b>Min.Temp (°C)</b>	16.9	17.2	18.3	18.8	17
<b>Sky condition (Octas)</b>	1	1	2	2	0
<b>Relative humidity (%) 0830 hours</b>	58	85	67	50	47
<b>Relative humidity (%) 1730 hours</b>	20	22	24	22	20
<b>Wind Speed (kmph)</b>	10	11	7	9	12
<b>Wind Direction</b>	207	248	251	135	135



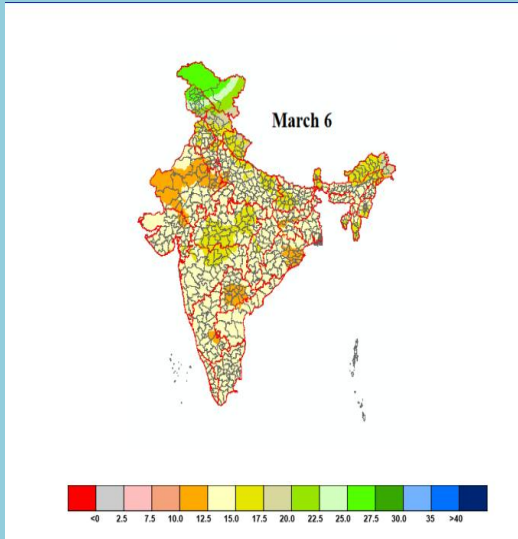
## Vegetation Condition Index



## 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](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.

**AMFU of IMD,  
Naganahalli, Mysuru**