

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



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MYSURU - 570003**



Date: 28-03-2024

AGRO-ADVISORY BULLETIN FOR MANDYA DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data			
Parameter	25.03.2024	26.03.2024	27.03.2024
Rainfall (mm)	0	0	0
Max. Temp. (°C)	37	37.6	37.6
Min. Temp. (°C)	17.6	18.5	18.5
Sky condition (Octas)	4	6	4
Relative humidity (%) 0830 hours	6	2	2
Relative humidity (%) 1730 hours	83	59	62
Wind Speed (km/h)	22	26	25
Wind Direction	4	4	4

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

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)	37.6	37.6	38.1	36.4	37.1
Min.Temp (°C)	17	17	18	17	18
Sky condition (Octas)	3	3	3	3	2
Relative humidity (%) 0830 hours	86	68	85	85	79
Relative humidity (%) 1730 hours	17	18	14	16	17
Wind Speed (kmph)	12	11	14	10	9
Wind Direction	110	195	115	245	245

Forecast Summary

As forecast received from IMD, Partially cloudy sky no rainfall may be expected from 29.03.2024 to 02.04.2024 in Mandya district. The day temperature is expected to be 36.4-38.1°C & night temperature is expected 17-18°C. The relative humidity in the morning hours is expected to be 68-86% & afternoon relative humidity is expected to be in the range of 14-18% per cent. Wind speed expected to be 9-14 km/ hr.

Recommendations to the farmers:

Crop	Pest/Disease	Damage symptoms	Control measures
<ul style="list-style-type: none"> Mulch the crop with crop residues it 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. 			
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	Pseudo stem 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 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.
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 29-03-2024 to 02-04-2024)

Krishnarajpet					
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)	34.8	35.4	36.3	35.7	35.5
Min.Temp (°C)	17	17.5	16	16.5	17.5
Sky condition (Octas)	3	2	3	3	5
Relative humidity (%) 0830 hours	87	78	94	87	79
Relative humidity (%) 1730 hours	16	21	15	16	18
Wind Speed (kmph)	10	8	13	11	10
Wind Direction	113	113	113	135	248

Maddur					
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)	36.4	37.2	37.5	37.4	36.9
Min.Temp (°C)	19.9	20.2	18.6	19.7	20
Sky condition (Octas)	3	1	3	4	5
Relative humidity (%) 0830 hours	86	70	75	92	82
Relative humidity (%) 1730 hours	15	16	13	14	15
Wind Speed (kmph)	11	10	12	11	10
Wind Direction	116	135	113	135	150

Malvalli

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)	35.3	36.3	36.4	36.2	35.9
Min.Temp (°C)	19.4	19.4	18.2	19.5	19.3
Sky condition (Octas)	3	1	3	4	5
Relative humidity (%) 0830 hours	83	71	70	88	79
Relative humidity (%) 1730 hours	15	16	13	14	15
Wind Speed (kmph)	11	10	12	11	10
Wind Direction	113	135	116	117	243

Mandya

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)	35.6	36.5	37.1	36.8	36.3
Min.Temp (°C)	19	19	17.7	18.7	19.1
Sky condition (Octas)	3	2	3	4	5
Relative humidity (%) 0830 hours	91	82	90	95	87
Relative humidity (%) 1730 hours	15	17	13	13	15
Wind Speed (kmph)	12	11	13	12	11
Wind Direction	248	113	113	117	243

Nagamangala

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)	36.3	36.8	37.7	37.2	37
Min.Temp (°C)	18.7	19.2	17.4	18.2	19.2
Sky condition (Octas)	3	2	3	3	5
Relative humidity (%) 0830 hours	90	69	88	85	77
Relative humidity (%) 1730 hours	14	18	14	14	16
Wind Speed (kmph)	12	9	14	13	11
Wind Direction	113	135	116	117	243

Pandavapura

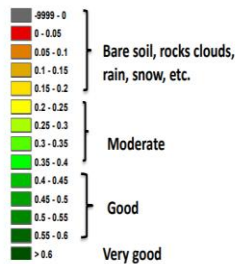
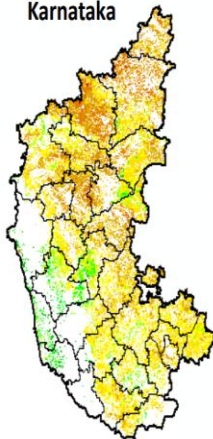
Parameter	29.03.2024	30.03.2024	31.03.2024	01.04.2024	02.04.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	34.9	35.6	36.5	35.9	35.6
Min.Temp (°C)	17.9	17.9	16.6	17.2	17.9
Sky condition (Octas)	3	2	3	4	5
Relative humidity (%) 0830 hours	88	85	97	93	83
Relative humidity (%) 1730 hours	16	19	14	15	17
Wind Speed (kmph)	12	10	14	12	11
Wind Direction	248	243	113	117	248

Shrirangapattana

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)	34.2	35.1	35.8	35.2	34.9
Min.Temp (°C)	17.5	17.5	16.3	16.9	17.6
Sky condition (Octas)	3	2	3	4	5
Relative humidity (%) 0830 hours	88	85	94	93	83
Relative humidity (%) 1730 hours	16	19	14	15	17
Wind Speed (kmph)	12	10	14	12	11
Wind Direction	248	243	113	117	248

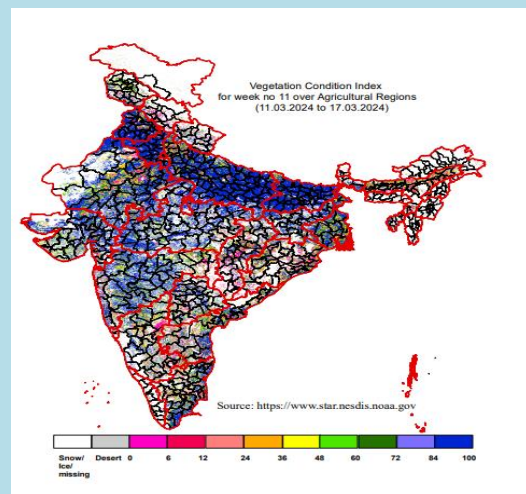
NOAA/VIIRS/BLENDED NDVI Composite ending on Week no 11
(12.03.2024 to 18.03.2024) over Agricultural region

Karnataka

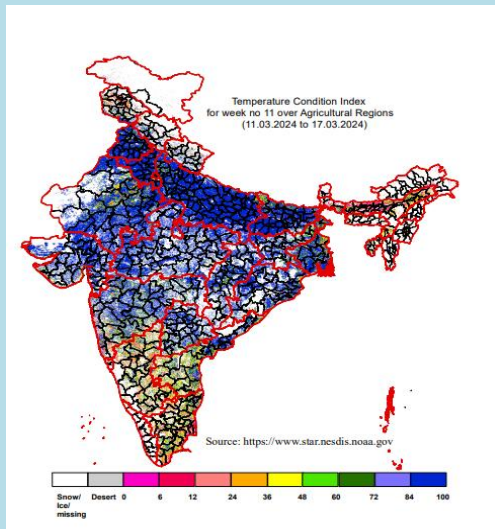


Agriculture vigour is good at isolated places of coastal Karnataka.

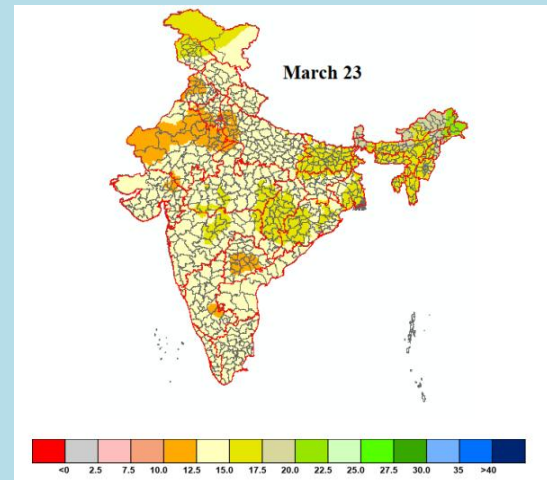
Vegetation Condition Index



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

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

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