

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



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



Date: 19-03-2024

AGRO-ADVISORY BULLETIN FOR MANDYA DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data			
Parameter	17.03.2024	18.03.2024	19.03.2024
Rainfall (mm)	0	0	0
Max. Temp. (°C)	36	36.6	36
Min. Temp. (°C)	20.6	19.6	20.3
Sky condition (Octas)	4	4	4
Relative humidity (%) 0830 hours	77	84	76
Relative humidity (%) 1730 hours	38	38	37
Wind Speed (km/h)	0	0	0
Wind Direction	0	0	0

Weather forecast for the next five days (From 20-03-2024 to 24-03-2024)

Parameter	20.03.2024	21.03.2024	22.03.2024	23.03.2024	24.03.2024
Rainfall (mm)	0	1	1	1	0
Max. temp (°C)	36	36	33	34	36
Min.Temp (°C)	17	17	17	17	17
Sky condition (Octas)	1	3	3	3	2
Relative humidity (%) 0830 hours	54	60	79	74	56
Relative humidity (%) 1730 hours	23	23	32	32	21
Wind Speed (kmph)	8	9	11	10	11
Wind Direction	154	154	114	144	135

Forecast Summary

As forecast received from IMD, Partially cloudy sky with very light rainfall may be expected from 20.03.2024 to 24.03.2024 in Mandya district. The day temperature is expected to be 34-36°C & night temperature is expected 17°C. The relative humidity in the morning hours is expected to be 54-79% & afternoon relative humidity is expected to be in the range of 21-32% per cent. Wind speed expected to be 8-11 km/ hr.

Recommendations to the farmers:

Crop	Pest/Disease	Damage symptoms	Control measures
<ul style="list-style-type: none"> Mulching with crop residues in crop fields 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	<p>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.</p> <p>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.</p>	
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/lt.of water.	
Maize	Fall army worm	<p>5% damage- Application of 5% neem seed kernel extract (NSKE) or azadirachtin 1500ppm @ 5ml/litre (1 litre/acre)of water.</p> <p>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.</p>	
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 20-03-2024 to 24-03-2024)

Krishnarajpet					
Parameter	20.03.2024	21.03.2024	22.03.2024	23.03.2024	24.03.2024
Rainfall (mm)	0	0.3	0	0	0
Max. temp (°C)	34	35	34	34	34
Min.Temp (°C)	18	18	18	18	19
Sky condition (Octas)	1	3	2	2	2
Relative humidity (%) 0830 hours	64	88	69	68	72
Relative humidity (%) 1730 hours	23	20	27	26	22
Wind Speed (kmph)	7	10	13	8	8
Wind Direction	165	180	135	162	135

Maddur					
Parameter	20.03.2024	21.03.2024	22.03.2024	23.03.2024	24.03.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	36	36	35	35	35
Min.Temp (°C)	20	21	21	21	22
Sky condition (Octas)	0	0	1	2	1
Relative humidity (%) 0830 hours	46	66	69	54	50
Relative humidity (%) 1730 hours	18	17	25	21	19
Wind Speed (kmph)	9	9	12	11	11

Wind Direction	135	153	135	144	144
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Malvalli

Parameter	20.03.2024	21.03.2024	22.03.2024	23.03.2024	24.03.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	35	35	34	34	34
Min.Temp (°C)	19	21	20	20	21
Sky condition (Octas)	0	0	1	1	1
Relative humidity (%) 0830 hours	48	61	67	56	49
Relative humidity (%) 1730 hours	18	17	25	21	19
Wind Speed (kmph)	9	9	11	10	10
Wind Direction	135	150	122	117	135

Mandya

Parameter	20.03.2024	21.03.2024	22.03.2024	23.03.2024	24.03.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	35	35	34	34	35
Min.Temp (°C)	19	20	20	20	21
Sky condition (Octas)	1	0	1	2	1
Relative humidity (%) 0830 hours	48	77	65	56	56
Relative humidity (%) 1730 hours	18	18	25	21	19
Wind Speed (kmph)	9	10	11	10	10
Wind Direction	148	135	122	135	153

Nagamangala

Parameter	20.03.2024	21.03.2024	22.03.2024	23.03.2024	24.03.2024
Rainfall (mm)	0	0	0.3	0	0
Max. temp (°C)	35	36	35	35	35
Min.Temp (°C)	19	20	20	20	21
Sky condition (Octas)	1	0	3	2	2
Relative humidity (%) 0830 hours	52	82	68	58	57
Relative humidity (%) 1730 hours	22	19	27	23	20
Wind Speed (kmph)	9	10	14	10	10

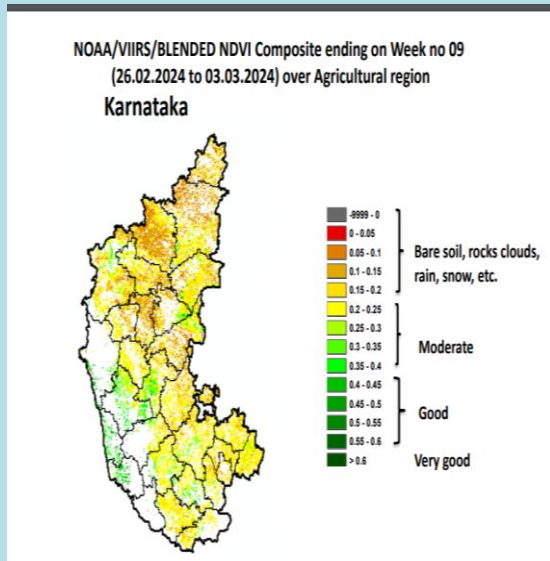
Wind Direction	150	135	135	150	148
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Pandavapura

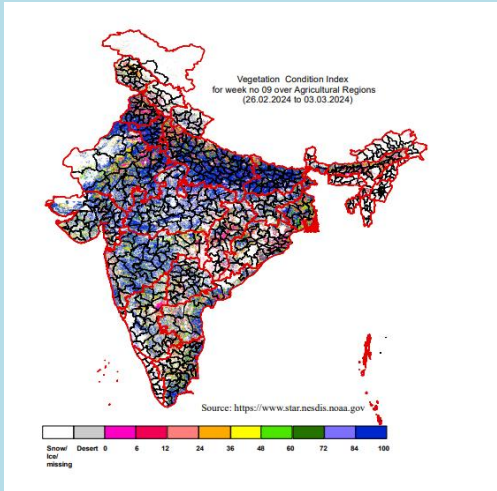
Parameter	20.03.2024	21.03.2024	22.03.2024	23.03.2024	24.03.2024
Rainfall (mm)	0	0.1	0	0	0
Max. temp (°C)	34	35	33	34	34
Min.Temp (°C)	18	19	19	19	19
Sky condition (Octas)	1	3	2	2	2
Relative humidity (%) 0830 hours	54	89	67	62	67
Relative humidity (%) 1730 hours	20	20	27	25	21
Wind Speed (kmph)	9	11	12	9	9
Wind Direction	152	158	135	154	146

Shrirangapattana

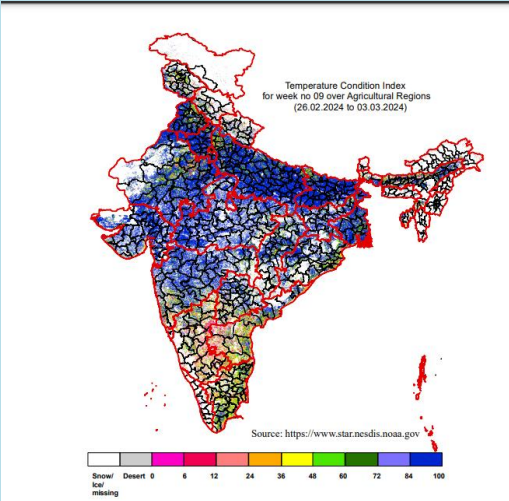
Parameter	20.03.2024	21.03.2024	22.03.2024	23.03.2024	24.03.2024
Rainfall (mm)	0	0	0	0.1	0
Max. temp (°C)	34	34	33	33	33
Min.Temp (°C)	18	18	18	19	19
Sky condition (Octas)	2	0	2	3	2
Relative humidity (%) 0830 hours	53	86	67	60	64
Relative humidity (%) 1730 hours	20	20	27	24	20
Wind Speed (kmph)	9	11	12	10	9
Wind Direction	152	158	126	154	146



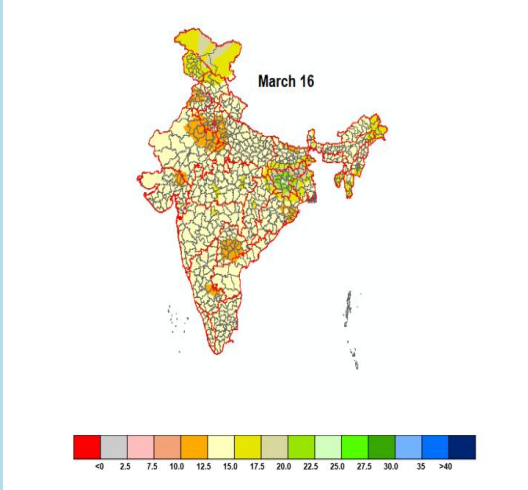
Vegetation Condition Index



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

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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