

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



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



Date: 15-03-2024

AGRO-ADVISORY BULLETIN FOR MYSURU DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data			
Parameter	13.03.2024	14.03.2024	15.03.2024
Rainfall (mm)	0	0	0
Max. Temp. (°C)	35.2	35.5	35.7
Min. Temp. (°C)	-	-	-
Sky condition (Octas)	0	0	0
Relative humidity (%) 0830 hours	55	54	55
Relative humidity (%) 1730 hours	28	29	33
Wind Speed (km/h)	2	2	2
Wind Direction	110	200	270

Weather forecast for the next five days (From 16-03-2024 to 20-03-2024)

Parameter	16.03.2024	17.03.2024	18.03.2024	19.03.2024	20.03.2024
Rainfall (mm)	6.0	1.0	0.0	0.0	0.0
Max. temp (°C)	34	36	36	35	37
Min.Temp (°C)	17	15	15	16	16
Sky condition (Octas)	3	0	0	0	0
Relative humidity (%) 0830 hours	68	63	68	70	73
Relative humidity (%) 1730 hours	34	22	18	21	20
Wind Speed (kmph)	7	10	10	9	8
Wind Direction	167	158	112	202	165

Forecast Summary

As forecast received from IMD, Clear sky with light rainfall may be expected from 16.03.2024 to 20.03.2024 in Mysuru district. The day temperature is expected to be 34-37°C & night temperature is expected 15-17°C. The relative humidity in the morning hours is expected to be 63-73% & afternoon relative humidity is expected to be in the range of 18-34%. Wind speed expected to be 7-10 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.
Banana	Pseudostem 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.	
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>
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 16-03-2024 to 20-03-2024)

H.D. Kote					
Parameter	16.03.2024	17.03.2024	18.03.2024	19.03.2024	20.03.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	31.6	32.4	31.8	31.5	32.4
Min.Temp (°C)	19.2	18	17.4	17.8	18.7
Sky condition (Octas)	3	0	0	0	1
Relative humidity (%) 0830 hours	72	75	74	82	82
Relative humidity (%) 1730 hours	31	17	14	17	16
Wind Speed (kmph)	6	9	11	10	9
Wind Direction	248	113	108	68	248

Hunsuru					
Parameter	16.03.2024	17.03.2024	18.03.2024	19.03.2024	20.03.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	31.6	33.5	32.8	32.6	33.3
Min.Temp (°C)	18.5	17.2	16.5	16.9	17.5
Sky condition (Octas)	4	0	0	0	1

Relative humidity (%) 0830 hours	71	74	72	82	84
Relative humidity (%) 1730 hours	33	17	16	18	18
Wind Speed (kmph)	6	9	11	9	9
Wind Direction	214	113	108	75	68

K.R. Nagara

Parameter	16.03.2024	17.03.2024	18.03.2024	19.03.2024	20.03.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	31.7	33.8	32.6	32.7	33.4
Min.Temp (°C)	17.9	16.5	15.9	16.3	16.7
Sky condition (Octas)	4	1	0	0	1
Relative humidity (%) 0830 hours	68	67	72	81	84
Relative humidity (%) 1730 hours	33	18	19	20	19
Wind Speed (kmph)	6	11	10	8	9
Wind Direction	198	153	124	113	68

Mysuru

Parameter	16.03.2024	17.03.2024	18.03.2024	19.03.2024	20.03.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	31	32.6	31.3	31.2	31.8
Min.Temp (°C)	17.9	16	16	16.4	17.1
Sky condition (Octas)	4	0	0	0	1
Relative humidity (%) 0830 hours	60	57	70	72	75
Relative humidity (%) 1730 hours	31	18	19	21	20
Wind Speed (kmph)	7	13	11	10	10
Wind Direction	195	135	124	75	162

Nanjanagudu

Parameter	16.03.2024	17.03.2024	18.03.2024	19.03.2024	20.03.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	30.1	31.1	30	30	30.7
Min.Temp (°C)	17.6	15.5	15.5	16.1	16.7
Sky condition (Octas)	3	0	0	0	1
Relative humidity (%) 0830 hours	57	52	64	64	64

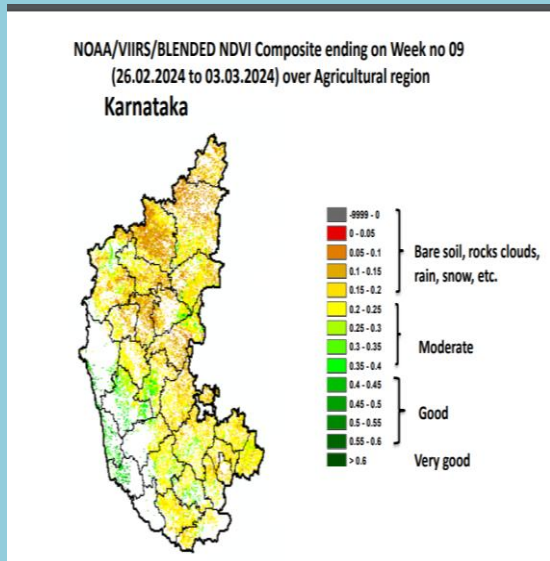
Relative humidity (%) 1730 hours	28	17	18	20	20
Wind Speed (kmph)	7	13	11	11	10
Wind Direction	153	135	124	75	75

Periapatna

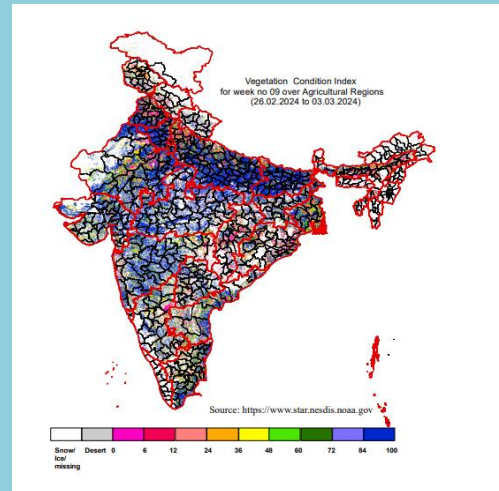
Parameter	16.03.2024	17.03.2024	18.03.2024	19.03.2024	20.03.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	32	33.6	33.7	33.1	33.5
Min.Temp (°C)	18.6	17.5	16.7	17	17.6
Sky condition (Octas)	3	0	0	0	0
Relative humidity (%) 0830 hours	75	78	70	80	82
Relative humidity (%) 1730 hours	34	20	15	19	19
Wind Speed (kmph)	6	7	11	9	8
Wind Direction	248	113	90	75	248

T. Narasipura

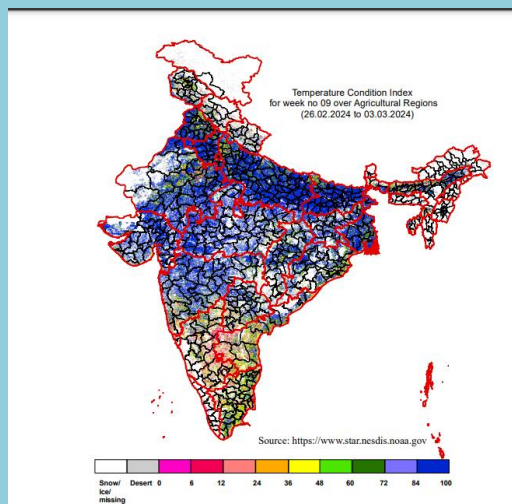
Parameter	16.03.2024	17.03.2024	18.03.2024	19.03.2024	20.03.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	31.7	31.7	31.2	31.5	31.6
Min.Temp (°C)	18.7	16.4	16.6	17.1	17.8
Sky condition (Octas)	4	0	0	0	0
Relative humidity (%) 0830 hours	55	47	61	56	59
Relative humidity (%) 1730 hours	32	19	18	19	20
Wind Speed (kmph)	8	12	11	10	9
Wind Direction	161	146	117	135	75



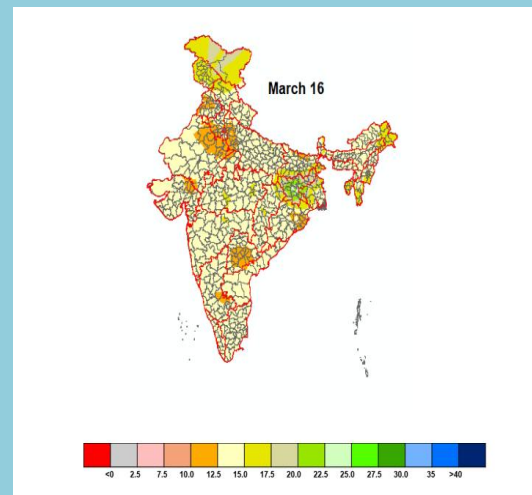
Vegetation Condition Index



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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