

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



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



Date: 07-03-2024

AGRO-ADVISORY BULLETIN FOR MYSURU DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data		
Parameter	06.03.2024	07.03.2024
Rainfall (mm)	0	0
Max. Temp. (°C)	35.9	35.7
Min. Temp. (°C)	-	-
Sky condition (Octas)	0	0
Relative humidity (%) 0830 hours	62	52
Relative humidity (%) 1730 hours	24	26
Wind Speed (km/h)	2	0
Wind Direction	270	0

Weather forecast for the next five days (From 08-03-2024 to 12-03-2024)

Parameter	08.03.2024	09.03.2024	10.03.2024	11.03.2024	12.03.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	37.7	39	37.2	36.1	35.5
Min.Temp (°C)	16	15.6	16.9	15.7	14.8
Sky condition (Octas)	3	3	5	4	1
Relative humidity (%) 0830 hours	60	63	61	53	50
Relative humidity (%) 1730 hours	23	22	20	22	19
Wind Speed (kmph)	7	7	7	10	12
Wind Direction	202	202	198	115	124

Forecast Summary

As forecast received from IMD, Cloudy sky with no rainfall may be expected from 08.03.2024 to 12.03.2024 in Mysuru district. The day temperature is expected to be 35.5-39°C & night temperature is expected 14.8-16.9°C. The relative humidity in the morning hours is expected to be 50-63% & afternoon relative humidity is expected to be in the range of 19-23%. Wind speed expected to be 7-12 km/hr.

Recommendations to the farmers:

Crop	Pest/Disease	Damage symptoms	Control measures
<ul style="list-style-type: none"> 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 avoid 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. 			
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	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 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"> 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 06-03-2024 to 10-03-2024)

H.D. Kote

Parameter	06.03.2024	07.03.2024	08.03.2024	09.03.2024	10.03.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	32	32.7	33.1	32.6	32
Min.Temp (°C)	17.7	18.2	18.7	18.9	17.5
Sky condition (Octas)	2	3	4	5	2
Relative humidity (%) 0830 hours	68	62	67	60	51
Relative humidity (%) 1730 hours	17	19	17	19	19
Wind Speed (kmph)	9	9	8	9	11
Wind Direction	236	240	210	113	68

Hunsuru

Parameter	06.03.2024	07.03.2024	08.03.2024	09.03.2024	10.03.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	32.9	33.7	34.2	33.7	33.4
Min.Temp (°C)	16.8	17.4	17.9	18.1	16.9
Sky condition (Octas)	2	2	4	5	2
Relative humidity (%) 0830 hours	63	61	67	61	46
Relative humidity (%) 1730 hours	18	18	17	20	20
Wind Speed (kmph)	8	8	8	9	10
Wind Direction	244	15	180	105	113

K.R. Nagara

Parameter	06.03.2024	07.03.2024	08.03.2024	09.03.2024	10.03.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	33.8	34.4	34.5	34.2	34
Min.Temp (°C)	16.4	16.9	17.4	17.5	16.3

Sky condition (Octas)	2	2	4	5	3
Relative humidity (%) 0830 hours	61	60	68	54	42
Relative humidity (%) 1730 hours	19	17	18	21	20
Wind Speed (kmph)	7	8	9	10	12
Wind Direction	244	248	169	105	113

Mysuru

Parameter	06.03.2024	07.03.2024	08.03.2024	09.03.2024	10.03.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	31.8	32.6	32.2	32.5	32.7
Min.Temp (°C)	16.6	17.2	17.7	17.1	15.8
Sky condition (Octas)	4	2	5	6	3
Relative humidity (%) 0830 hours	63	58	65	51	44
Relative humidity (%) 1730 hours	18	19	18	21	18
Wind Speed (kmph)	9	9	9	11	13
Wind Direction	243	225	203	135	113

Nanjanagudu

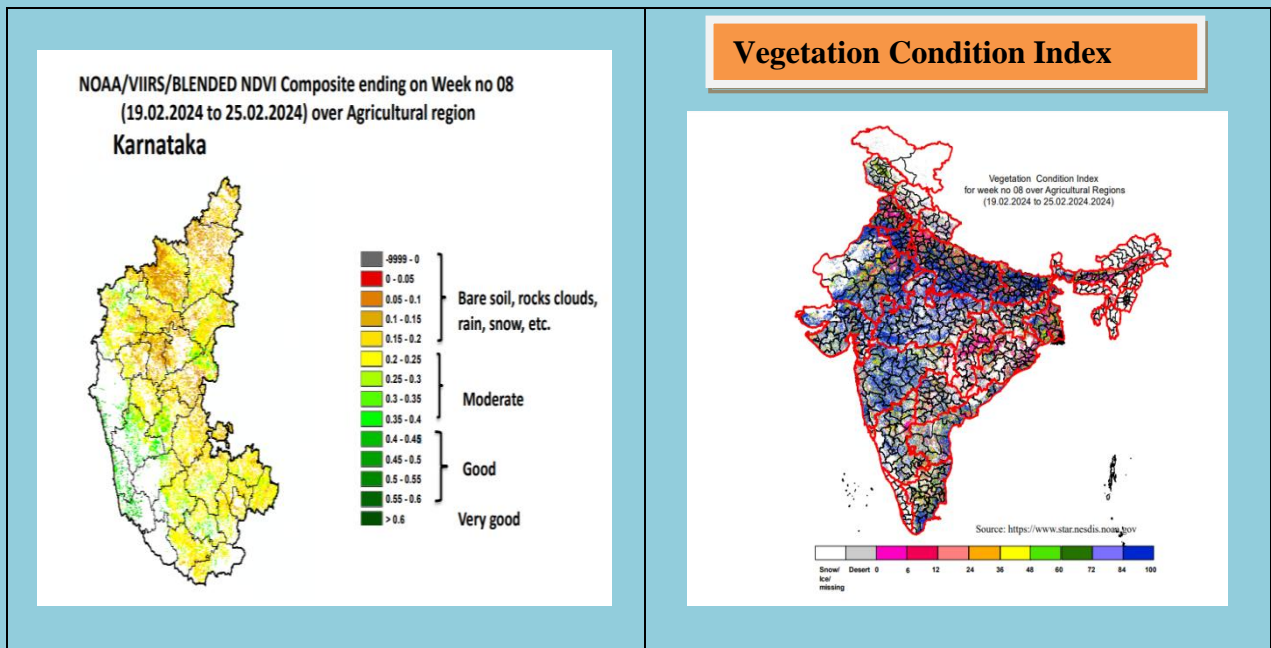
Parameter	06.03.2024	07.03.2024	08.03.2024	09.03.2024	10.03.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	30.5	30.7	31.1	31	31.2
Min.Temp (°C)	16.3	16.8	17.3	16.7	15.3
Sky condition (Octas)	4	2	4	5	3
Relative humidity (%) 0830 hours	58	56	59	52	45
Relative humidity (%) 1730 hours	18	19	17	21	18
Wind Speed (kmph)	9	9	8	12	13
Wind Direction	214	203	210	117	116

Periapatna

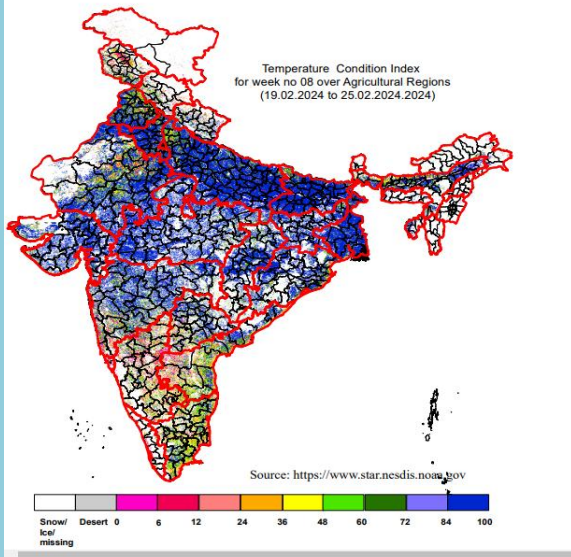
Parameter	06.03.2024	07.03.2024	08.03.2024	09.03.2024	10.03.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	33	34.7	34.9	33.9	34
Min.Temp (°C)	17.1	17.3	18	18.1	17.2
Sky condition (Octas)	2	2	4	4	2

Relative humidity (%) 0830 hours	62	62	67	68	48
Relative humidity (%) 1730 hours	22	19	18	22	20
Wind Speed (kmph)	8	8	7	9	10
Wind Direction	248	248	180	113	113

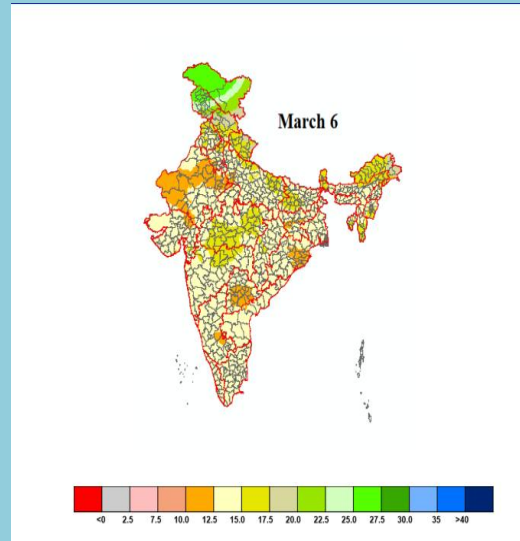
T. Narasipura					
Parameter	06.03.2024	07.03.2024	08.03.2024	09.03.2024	10.03.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	32.1	32.3	32.9	32.2	32.5
Min.Temp (°C)	17.6	17.8	18.7	17.5	15.9
Sky condition (Octas)	5	2	4	4	3
Relative humidity (%) 0830 hours	53	54	52	53	46
Relative humidity (%) 1730 hours	18	21	18	21	17
Wind Speed (kmph)	8	8	7	11	12
Wind Direction	117	203	146	115	124



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 Assoiicateover phone No. 0821-259126/ 9535345814.

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