

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



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



Date: 03-05-2024

AGRO-ADVISORY BULLETIN FOR MANDYA DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data			
Parameter	01.05.2024	02.05.2024	03.05.2024
Rainfall (mm)	0	0	0
Max. Temp. (°C)	39.6	39.2	40.6
Min. Temp. (°C)	24.4	24.8	26.3
Sky condition (Octas)	4	6	4
Relative humidity (%) 0830 hours	71	75	74
Relative humidity (%) 1730 hours	33	33	34
Wind Speed (km/h)	4	4	4
Wind Direction	320	270	230

Weather forecast for the next five days (From 04-05-2024 to 08-05-2024)

Parameter	04.05.2024	05.05.2024	06.05.2024	07.05.2024	08.05.2024
Rainfall (mm)	1	0	0	1	2
Max. temp (°C)	41	40.8	40.5	40.6	41
Min.Temp (°C)	25.8	26	25.8	25.8	26
Sky condition (Octas)	7	3	1	4	6
Relative humidity (%) 0830 hours	67	70	79	81	80
Relative humidity (%) 1730 hours	29	12	17	24	29
Wind Speed (kmph)	12	12	14	14	15
Wind Direction	246	236	246	249	261

Forecast Summary

Heat wave conditions are likely to persist in isolated places over the district for the next five days.

As forecast received from IMD, cloudy sky with very light rainfall may be expected from 04.05.2024 to 08.05.2024 in Mandya district. The day temperature is expected to be 40.5-41°C & night temperature is expected 25.8-26°C. The relative humidity in the morning hours is expected to be 67-81% & afternoon relative humidity is expected to be in the range of 12-29% per cent. Wind speed expected to be 12-15 km/ hr.

Recommendations to the farmers:

Crop	Pest/Disease	Damage symptoms	Control measures
<ul style="list-style-type: none"> • Protective Measures: When working in the field during hot weather, it's important to protect yourself from the sun. Use a hat or umbrella, and keep a damp cloth handy to cool your head, neck, face, and limbs. • Sun Safety: Avoid direct sunlight between 12:00 noon and 3:00 PM, as this is when the sun is strongest and temperatures are highest. • Smart Irrigation: Water your crops in the early morning or late evening to reduce water loss through evaporation. • Mulching: Use crop residue mulch to retain soil moisture and prevent it from drying out quickly. • Repellents: Consider using bio or chemical repellents to minimize evapotranspiration from your crops. • Harvesting Practices: Schedule harvesting and threshing activities for the cooler parts of the day, such as the morning or evening. • Ploughing Techniques: Conduct summer ploughing in the early morning or late evening to expose the soil and manage pests, diseases, and weed seeds effectively. • Livestock Care: During hot weather, avoid grazing livestock during the hottest part of the day. Provide shade and ample water for your animals. • Cooling Techniques for Animals: To help your animals beat the heat, consider leaving them in ponds during the hottest hours or sprinkling them with cold water several times a day. Thatching the roofs of animal shelters with paddy straw or painting them white can also create a cooler environment for them. • Pest and Disease Monitoring: Regularly scout fields for signs of pests and diseases, which may proliferate in warmer conditions. Implement integrated pest management (IPM) strategies, such as biological control, crop rotation, and targeted pesticide use, to minimize pest and disease pressure. • Soil Health: Prioritize soil conservation and management practices to maintain soil health and resilience. Use cover crops, crop rotation and organic amendments to improve soil structure, moisture retention and nutrient cycling. • Poultry: Ensure that poultry houses are well-ventilated and provide adequate shade to reduce heat stress on birds. Install fans or misting systems to help cool the environment. Ensure a constant supply of cool, fresh water for the birds to drink. Consider adding electrolytes or vitamins to the water to help birds cope with heat stress • Vermicompost: 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	<p>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.</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 04-05-2024 to 08-05-2024)

Krishnarajpet

Parameter	04.05.2024	05.05.2024	06.05.2024	07.05.2024	08.05.2024
Rainfall (mm)	0.9	0	0	0.2	0.3
Max. temp (°C)	36.1	37.2	36.2	37.3	34.3
Min.Temp (°C)	22.5	20.1	21.2	21.8	21.8
Sky condition (Octas)	8	6	3	4	7
Relative humidity (%) 0830 hours	69	79	80	82	75
Relative humidity (%) 1730 hours	31	9	14	23	36
Wind Speed (kmph)	12	15	14	14	11
Wind Direction	248	248	251	253	225

Maddur

Parameter	04.05.2024	05.05.2024	06.05.2024	07.05.2024	08.05.2024
Rainfall (mm)	0.2	0	0	0.4	0.5
Max. temp (°C)	39.7	39.2	38.5	39	38.3
Min.Temp (°C)	24.8	23.5	24	25	24.6
Sky condition (Octas)	7	6	4	4	6

Relative humidity (%) 0830 hours	73	70	75	73	73
Relative humidity (%) 1730 hours	27	10	13	20	27
Wind Speed (kmph)	12	14	13	12	8
Wind Direction	245	240	248	250	240

Malvalli					
Parameter	04.05.2024	05.05.2024	06.05.2024	07.05.2024	08.05.2024
Rainfall (mm)	0.2	0	0	0.2	0.7
Max. temp (°C)	38.4	38.3	37.3	38	37.4
Min.Temp (°C)	23.8	22.6	22.7	23.7	23.6
Sky condition (Octas)	7	6	4	3	6
Relative humidity (%) 0830 hours	73	71	78	78	75
Relative humidity (%) 1730 hours	26	12	14	20	24
Wind Speed (kmph)	13	13	14	13	8
Wind Direction	248	248	248	250	251

Mandya					
Parameter	04.05.2024	05.05.2024	06.05.2024	07.05.2024	08.05.2024
Rainfall (mm)	0.7	0	0	0.9	0.4
Max. temp (°C)	38.3	38.3	37.4	38.5	37.5
Min.Temp (°C)	23.9	22.6	23.2	24.2	23.8
Sky condition (Octas)	7	6	5	4	6
Relative humidity (%) 0830 hours	74	72	78	77	73
Relative humidity (%) 1730 hours	27	10	14	20	28
Wind Speed (kmph)	14	16	14	13	10
Wind Direction	248	248	248	248	238

Nagamangala					
Parameter	04.05.2024	05.05.2024	06.05.2024	07.05.2024	08.05.2024
Rainfall (mm)	0.7	0	0	0.4	0.8
Max. temp (°C)	38.7	38.8	38.3	39.1	36.1
Min.Temp (°C)	24.2	21.8	22.9	23.3	23.1
Sky condition (Octas)	7	5	3	3	6
Relative humidity (%) 0830 hours	65	72	74	75	73
Relative humidity (%) 1730 hours	26	10	13	21	33

Wind Speed (kmph)	12	15	13	12	13
Wind Direction	250	248	248	252	225

Pandavapura

Parameter	04.05.2024	05.05.2024	06.05.2024	07.05.2024	08.05.2024
Rainfall (mm)	0.2	0	0	0.2	0.2
Max. temp (°C)	36.6	37.4	36.4	37.7	35.3
Min.Temp (°C)	22.5	21.2	22	23	22.5
Sky condition (Octas)	8	6	4	4	7
Relative humidity (%) 0830 hours	77	76	80	79	75
Relative humidity (%) 1730 hours	31	9	15	21	33
Wind Speed (kmph)	14	16	14	15	11
Wind Direction	246	248	248	250	243

Shrirangapattana

Parameter	04.05.2024	05.05.2024	06.05.2024	07.05.2024	08.05.2024
Rainfall (mm)	0.2	0	0	0.2	0.3
Max. temp (°C)	35.5	36.8	35.9	37.1	34.8
Min.Temp (°C)	21.8	20.7	21.4	22.4	22
Sky condition (Octas)	8	7	5	4	7
Relative humidity (%) 0830 hours	78	76	81	81	74
Relative humidity (%) 1730 hours	31	11	15	21	32
Wind Speed (kmph)	14	15	15	15	11
Wind Direction	248	245	246	250	243

- 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 Associate over phone No. 0821-259126/ 9535345814.

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