

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



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



Date: 19-04-2024

AGRO-ADVISORY BULLETIN FOR MANDYA DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data			
Parameter	17.04.2024	18.04.2024	19.04.2024
Rainfall (mm)	0	0	13.4
Max. Temp. (°C)	38.6	37.6	39
Min. Temp. (°C)	22	22.7	23.4
Sky condition (Octas)	4	4	8
Relative humidity (%) 0830 hours	64	65	84
Relative humidity (%) 1730 hours	26	35	322
Wind Speed (km/h)	4	4	4
Wind Direction	140	140	50

Weather forecast for the next five days (From 20-03-2024 to 24-04-2024)

Parameter	20.04.2024	21.04.2024	22.04.2024	23.04.2024	24.04.2024
Rainfall (mm)	4	2	0	0	0
Max. temp (°C)	39.3	37.7	37.7	38	38.7
Min.Temp (°C)	22.8	23	22.8	22.2	22
Sky condition (Octas)	6	7	4	3	1
Relative humidity (%) 0830 hours	69	68	72	62	65
Relative humidity (%) 1730 hours	23	37	22	20	15
Wind Speed (kmph)	11	9	11	8	11
Wind Direction	248	214	244	248	117

Forecast Summary

As forecast received from IMD, cloudy sky with light rainfall may be expected from 20.04.2024 to 24.04.2024 in Mandya district. The day temperature is expected to be 37.7-39.3°C & night temperature is expected 22-23°C. The relative humidity in the morning hours is expected to be 62-72% & afternoon relative humidity is expected to be in the range of 15-37% 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"> • Water Management: Ensure adequate water supply to crops. Implement efficient irrigation systems such as drip irrigation to minimize water loss through evaporation. • Crop Selection: Opt for drought-resistant or heat-tolerant crop varieties that can withstand high temperatures. • Timing of Farming Activities: Schedule farming activities such as planting, watering and harvesting during cooler parts of the day, typically early morning or late evening, to minimize heat stress on plants and reduce water evaporation. • Mulching: Apply mulch to retain soil moisture and regulate soil temperature. Mulching also helps to suppress weed growth, reducing competition for water. • Monitoring: Regularly monitor soil moisture levels, crop health and animal behavior to detect signs of heat stress or dehydration early. • Livestock Management: Ensure adequate ventilation and access to clean water and shade for livestock. Avoid moving animals during the hottest parts of the day. • 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/lit.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	<p>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.</p>	
Cowpea/Black gram	Aphids	<p>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.</p>	
watermelon	Sucking pests	<p>For control of sucking insects in water melon install 8 – 10 yellow sticky traps per acre. When the infestation is sever spray</p>	

	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 20-07-2024 to 24-04-2024)

Krishnarajpet

Parameter	20.04.2024	21.04.2024	22.04.2024	23.04.2024	24.04.2024
Rainfall (mm)	1	0.3	0	0	0
Max. temp (°C)	35.6	35	36.5	35.2	36.1
Min.Temp (°C)	22	21.4	21	20.8	20.6
Sky condition (Octas)	8	8	5	3	2
Relative humidity (%) 0830 hours	69	68	73	69	77
Relative humidity (%) 1730 hours	23	29	19	24	16
Wind Speed (kmph)	10	10	12	10	11
Wind Direction	250	293	281	304	113

Maddur

Parameter	20.04.2024	21.04.2024	22.04.2024	23.04.2024	24.04.2024
Rainfall (mm)	0.9	1.3	0	0	0
Max. temp (°C)	37.6	37.3	37.6	37.4	38.2
Min.Temp (°C)	24	23.6	23.4	23	22.6
Sky condition (Octas)	8	8	5	3	1
Relative humidity (%) 0830 hours	69	66	73	73	57
Relative humidity (%) 1730 hours	20	24	21	20	14
Wind Speed (kmph)	10	8	10	8	12
Wind Direction	225	289	243	243	116

Malvalli

Parameter	20.04.2024	21.04.2024	22.04.2024	23.04.2024	24.04.2024
Rainfall (mm)	0	4.2	0	0	0
Max. temp (°C)	36.7	36.3	36.5	36.5	37.2
Min.Temp (°C)	23.2	22.7	22.6	22.4	21.9
Sky condition (Octas)	8	8	5	3	2
Relative humidity (%) 0830 hours	70	68	71	75	57
Relative humidity (%) 1730 hours	19	23	20	19	15
Wind Speed (kmph)	11	9	9	7	12
Wind Direction	240	248	248	252	116

Mandya

Parameter	20.04.2024	21.04.2024	22.04.2024	23.04.2024	24.04.2024
Rainfall (mm)	0	3.8	0	0	0
Max. temp (°C)	37	36.5	37	36.7	37.4
Min.Temp (°C)	23.5	22.9	22.7	22.4	22.2
Sky condition (Octas)	8	8	5	3	2
Relative humidity (%) 0830 hours	70	68	73	74	69
Relative humidity (%) 1730 hours	19	23	20	19	15
Wind Speed (kmph)	13	8	11	9	12
Wind Direction	245	289	248	248	113

Nagamangala

Parameter	20.04.2024	21.04.2024	22.04.2024	23.04.2024	24.04.2024
Rainfall (mm)	4.7	1.1	0	0	0
Max. temp (°C)	36.7	36.6	37.3	36.3	37.4
Min.Temp (°C)	23.5	22.6	22.4	22.3	21.9
Sky condition (Octas)	8	8	5	3	1
Relative humidity (%) 0830 hours	67	68	72	66	65
Relative humidity (%) 1730 hours	23	26	22	26	16
Wind Speed (kmph)	10	11	12	10	12
Wind Direction	255	300	68	45	116

Pandavapura

Parameter	20.04.2024	21.04.2024	22.04.2024	23.04.2024	24.04.2024
Rainfall (mm)	1.9	0.7	0	0	0
Max. temp (°C)	36.1	35.2	36.4	35.9	36.4
Min.Temp (°C)	22.4	22	21.7	21.4	21.2
Sky condition (Octas)	8	8	5	3	2
Relative humidity (%) 0830 hours	72	68	74	72	78
Relative humidity (%) 1730 hours	20	25	20	20	16
Wind Speed (kmph)	12	8	13	9	12
Wind Direction	245	290	251	63	117

Shrirangapattana

Parameter	20.04.2024	21.04.2024	22.04.2024	23.04.2024	24.04.2024
Rainfall (mm)	1.3	0.8	0	0	0
Max. temp (°C)	35.6	34.4	35.8	35.5	35.8
Min.Temp (°C)	21.9	21.5	21.2	21	20.9
Sky condition (Octas)	8	8	5	3	2
Relative humidity (%) 0830 hours	72	69	74	72	75
Relative humidity (%) 1730 hours	20	25	20	20	16
Wind Speed (kmph)	13	8	13	9	12
Wind Direction	245	290	251	259	117

- 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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