

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



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



Date: 05-04-2024

AGRO-ADVISORY BULLETIN FOR MANDYA DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data			
Parameter	03.04.2024	04.04.2024	05.04.2024
Rainfall (mm)	0	0	0
Max. Temp. (°C)	38.4	38.2	38.2
Min. Temp. (°C)	22.6	22	21.9
Sky condition (Octas)	4	2	4
Relative humidity (%) 0830 hours	76	71	71
Relative humidity (%) 1730 hours	33	32	32
Wind Speed (km/h)	4	0	0
Wind Direction	230	0	0

Weather forecast for the next five days (From 06-03-2024 to 10-04-2024)

Parameter	06.04.2024	07.04.2024	08.04.2024	09.04.2024	10.04.2024
Rainfall (mm)	0	0	1	0	1
Max. temp (°C)	38.3	38.3	37.5	36.5	36.3
Min.Temp (°C)	23	23	22	22	21
Sky condition (Octas)	4	3	3	3	5
Relative humidity (%) 0830 hours	75	82	84	77	70
Relative humidity (%) 1730 hours	16	16	18	19	25
Wind Speed (kmph)	9	13	12	10	13
Wind Direction	210	135	135	195	155

Forecast Summary

Maximum Temperature very likely to gradually rise by 2-4°C over during next 5 Days.

As forecast received from IMD, Partially cloudy sky with no light rainfall may be expected from 06.04.2024 to 10.04.2024 in Mandya district. The day temperature is expected to be 36.3-38.3°C & night temperature is expected 21-23°C. The relative humidity in the morning hours is expected to be 70-84% & afternoon relative humidity is expected to be in the range of 16-25% per cent. Wind speed expected to be 9-13 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>	
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	<p>For every 25 rows of tomato grow one row of marigold cultivar African tall. The marigold seedlings about 35-40 days old. If</p>	

		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 06-07-2024 to 10-04-2024)

Krishnarajpet

Parameter	06.04.2024	07.04.2024	08.04.2024	09.04.2024	10.04.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	35.9	36.2	35.5	35.2	34.4
Min.Temp (°C)	18.8	18.1	18.8	19.8	19.5
Sky condition (Octas)	7	0	2	2	5
Relative humidity (%) 0830 hours	87	77	80	78	78
Relative humidity (%) 1730 hours	15	17	20	21	25
Wind Speed (kmph)	10	11	11	10	9
Wind Direction	113	243	240	210	200

Maddur

Parameter	06.04.2024	07.04.2024	08.04.2024	09.04.2024	10.04.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	38	38.5	37	36.9	36.1
Min.Temp (°C)	21.4	21.5	22.3	23.4	22.8
Sky condition (Octas)	6	1	1	0	4
Relative humidity (%) 0830 hours	94	85	84	71	73

Relative humidity (%) 1730 hours	11	13	18	17	24
Wind Speed (kmph)	11	12	10	10	12
Wind Direction	116	135	244	148	135

Malvalli

Parameter	06.04.2024	07.04.2024	08.04.2024	09.04.2024	10.04.2024
Rainfall (mm)	0	0	0.1	0	0
Max. temp (°C)	36.8	37.6	36	35.7	34.9
Min.Temp (°C)	20.5	20.6	21.5	22.6	21.9
Sky condition (Octas)	6	0	1	0	4
Relative humidity (%) 0830 hours	89	87	81	69	72
Relative humidity (%) 1730 hours	12	13	18	17	24
Wind Speed (kmph)	10	13	10	9	11
Wind Direction	113	248	244	135	148

Mandya

Parameter	06.04.2024	07.04.2024	08.04.2024	09.04.2024	10.04.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	37.3	38	36.3	35.9	35.4
Min.Temp (°C)	20.6	20.4	21	22.5	21.9
Sky condition (Octas)	7	1	1	1	4
Relative humidity (%) 0830 hours	97	85	85	70	70
Relative humidity (%) 1730 hours	11	13	19	19	24
Wind Speed (kmph)	12	14	10	9	12
Wind Direction	108	248	244	144	146

Nagamangala

Parameter	06.04.2024	07.04.2024	08.04.2024	09.04.2024	10.04.2024
Rainfall (mm)	0	0	0	0	0.1
Max. temp (°C)	37.6	37.7	36.8	36.4	35.6
Min.Temp (°C)	20.6	20.3	20.9	21.9	21.4
Sky condition (Octas)	7	1	1	1	5
Relative humidity (%) 0830 hours	86	74	78	73	72
Relative humidity (%) 1730 hours	11	14	19	20	25

Wind Speed (kmph)	13	12	10	9	13
Wind Direction	108	248	225	180	146

Pandavapura

Parameter	06.04.2024	07.04.2024	08.04.2024	09.04.2024	10.04.2024
Rainfall (mm)	0	0	0.2	0	0.1
Max. temp (°C)	36.3	36.8	35.5	35.1	34.6
Min.Temp (°C)	19.4	19	19.6	20.9	20.3
Sky condition (Octas)	7	1	2	1	5
Relative humidity (%) 0830 hours	93	80	83	73	74
Relative humidity (%) 1730 hours	14	15	20	21	26
Wind Speed (kmph)	11	13	11	9	11
Wind Direction	113	248	245	195	180

Shrirangapattana

Parameter	06.04.2024	07.04.2024	08.04.2024	09.04.2024	10.04.2024
Rainfall (mm)	0	0	0.3	0	0.1
Max. temp (°C)	35.6	36.3	35	34.5	34
Min.Temp (°C)	19	18.8	19.3	20.6	20.1
Sky condition (Octas)	7	1	2	1	5
Relative humidity (%) 0830 hours	94	82	84	72	73
Relative humidity (%) 1730 hours	14	15	20	21	25
Wind Speed (kmph)	11	14	12	9	12
Wind Direction	108	248	245	195	195

- 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 Assoicateover phone No. 0821-259126/ 9535345814.

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