

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



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



Date: 30-04-2024

AGRO-ADVISORY BULLETIN FOR MYSURU DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data

Parameter	01.04.2024	02.05.2024	03.05.2024
Rainfall (mm)	0	0	0
Max. Temp. (°C)	37.8	38.3	38.4
Min. Temp. (°C)	-	-	-
Sky condition (Octas)	4	0	0
Relative humidity (%) 0830 hours	67	58	61
Relative humidity (%) 1730 hours	30	30	33
Wind Speed (km/h)	0	2	2
Wind Direction	0	180	200

Weather forecast for the next five days (From 01-05-2024 to 05-05-2024)

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)	37.6	38	37.6	37.6	37.2
Min.Temp (°C)	24	24.2	24	24.2	24.2
Sky condition (Octas)	7	4	1	5	6
Relative humidity (%) 0830 hours	76	78	85	84	85
Relative humidity (%) 1730 hours	34	19	22	28	35
Wind Speed (kmph)	12	11	13	13	14
Wind Direction	248	236	246	249	246

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 01.05.2024 to 08.05.2024 in Mysuru district. The day temperature is expected to be 37.2-38°C & night temperature is expected 24-24.2°C. The relative humidity in the morning hours is expected to be 76-85% & afternoon relative humidity is expected to be in the range of 19-35%. Wind speed expected to be 11-14 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/lit.of water.</p>	
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 	

		<p>portion due to wind.</p> <ul style="list-style-type: none"> • 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 melathion 50 EC @ 1 ml/lit water.</p>
Sugarcane	Trash management	<p>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.</p> <p>Application of fluorotous microbes at 5 kg /acre on trash or 1 -1.5 t press mud will enhance the fast degradation of trash.</p>
Coconut	Black headed catterpillar	<p>Remove and burn the severly affected fronds.</p> <p>On community basis feed the Manocrotophos 36 SL. to the palm through root.</p> <p>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.</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 04-05-2024 to 08-05-2024)**H.D. Kote**

Parameter	04.05.2024	05.05.2024	06.05.2024	07.05.2024	08.05.2024
Rainfall (mm)	0.2	0	0	0.2	0.4
Max. temp (°C)	31.8	33.6	32.2	33.8	31.5
Min.Temp (°C)	20.7	19.5	20.2	21.8	21.2
Sky condition (Octas)	7	6	2	4	6
Relative humidity (%) 0830 hours	86	86	91	86	78
Relative humidity (%) 1730 hours	37	20	22	24	41
Wind Speed (kmph)	15	16	15	15	14
Wind Direction	248	249	248	248	243

Hunsuru

Parameter	04.05.2024	05.05.2024	06.05.2024	07.05.2024	08.05.2024
Rainfall (mm)	0.2	0	0	0.3	0.4
Max. temp (°C)	32.8	35.1	33.8	35.2	32.8
Min.Temp (°C)	20.8	19.3	20.5	21.5	21.4
Sky condition (Octas)	8	6	2	3	7
Relative humidity (%) 0830 hours	81	84	86	84	78
Relative humidity (%) 1730 hours	35	17	19	25	39
Wind Speed (kmph)	14	15	14	15	13
Wind Direction	246	259	246	249	248

K.R. Nagara

Parameter	04.05.2024	05.05.2024	06.05.2024	07.05.2024	08.05.2024
Rainfall (mm)	0.2	0	0	0.2	0.4
Max. temp (°C)	33.9	35.9	34.7	36	33.5
Min.Temp (°C)	21	19.2	20.3	21.2	21.2
Sky condition (Octas)	8	6	3	4	7

Relative humidity (%) 0830 hours	76	80	82	82	75
Relative humidity (%) 1730 hours	34	13	16	24	36
Wind Speed (kmph)	13	14	14	14	12
Wind Direction	246	259	248	249	244

Mysuru

Parameter	04.05.2024	05.05.2024	06.05.2024	07.05.2024	08.05.2024
Rainfall (mm)	0.3	0	0	0.2	0.4
Max. temp (°C)	32.6	34.8	34.1	35.5	32.4
Min.Temp (°C)	20.1	19	19.6	20.5	20.5
Sky condition (Octas)	8	7	5	4	7
Relative humidity (%) 0830 hours	80	78	84	85	72
Relative humidity (%) 1730 hours	33	17	17	21	34
Wind Speed (kmph)	16	16	16	17	12
Wind Direction	248	249	248	248	248

Nanjanagudu

Parameter	04.05.2024	05.05.2024	06.05.2024	07.05.2024	08.05.2024
Rainfall (mm)	0.2	0	0	0.6	0.7
Max. temp (°C)	32.6	34	33	34.3	31.5
Min.Temp (°C)	19.3	18.2	18.5	19.9	19.9
Sky condition (Octas)	8	7	4	4	7
Relative humidity (%) 0830 hours	80	78	84	84	69
Relative humidity (%) 1730 hours	31	19	18	20	33
Wind Speed (kmph)	15	17	17	17	13
Wind Direction	249	248	248	248	244

Piriapatna

Parameter	04.05.2024	05.05.2024	06.05.2024	07.05.2024	08.05.2024
Rainfall (mm)	0.3	0	0	0.4	0.8
Max. temp (°C)	32.9	35.1	33.8	35.3	32.9
Min.Temp (°C)	21.1	19.4	20.9	21.9	21.8
Sky condition (Octas)	7	5	2	3	7
Relative humidity (%) 0830 hours	81	87	88	86	83

Relative humidity (%) 1730 hours	37	18	21	30	42
Wind Speed (kmph)	13	14	13	14	13
Wind Direction	248	257	249	249	248

T. Narasipura					
Parameter	04.05.2024	05.05.2024	06.05.2024	07.05.2024	08.05.2024
Rainfall (mm)	0.2	0	0	0.4	0.6
Max. temp (°C)	35.4	36.2	34.6	36	34.6
Min.Temp (°C)	20.9	19.8	19.9	21.3	21.2
Sky condition (Octas)	7	6	4	4	6
Relative humidity (%) 0830 hours	76	74	81	82	71
Relative humidity (%) 1730 hours	27	17	16	19	27
Wind Speed (kmph)	15	16	15	14	10
Wind Direction	248	248	248	248	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 Assoicateover phone No. 0821-259126/ 9535345814.

**AMFU of IMD,
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