

**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	27.04.2024	28.04.2024	29.04.2024
Rainfall (mm)	0	0	0
Max. Temp. (°C)	37.5	37.3	37.5
Min. Temp. (°C)	-	-	-
Sky condition (Octas)	0	0	0
Relative humidity (%) 0830 hours	46	59	27
Relative humidity (%) 1730 hours	38	40	20
Wind Speed (km/h)	2	4	2
Wind Direction	200	270	250

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

Parameter	01.05.2024	02.05.2024	03.05.2024	04.05.2024	05.05.2024
Rainfall (mm)	1	0	0	0	0
Max. temp (°C)	38	38.2	38.2	38	38.4
Min.Temp (°C)	18.1	20.3	18.5	17.6	17.2
Sky condition (Octas)	4	5	4	3	4
Relative humidity (%) 0830 hours	88	76	82	84	85
Relative humidity (%) 1730 hours	19	23	26	32	28
Wind Speed (kmph)	12	10	11	12	11
Wind Direction	250	248	245	248	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 no rainfall may be expected from 01.05.2024 to 05.05.2024 in Mysuru district. The day temperature is expected to be 38-38.4°C & night temperature is expected 17.2-20.3°C. The relative humidity in the morning hours is expected to be 76-88% & afternoon relative humidity is expected to be in the range of 19-32%. Wind speed expected to be 10-12 km/hr.

Recommendations to the farmers:

Crop	Pest/Disease	Damage symptoms	Control measures
<ul style="list-style-type: none"> • 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. • 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	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.	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.
Bean	Yellow mosaic virus	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.	
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 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.
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 severly 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 01-05-2024 to 05-05-2024)**H.D. Kote**

Parameter	01.05.2024	02.05.2024	03.05.2024	04.05.2024	05.05.2024
Rainfall (mm)	0.1	0	0	0	0
Max. temp (°C)	35	34.5	34.6	35.2	35.6
Min.Temp (°C)	21.3	21.6	21.3	20.5	19.9
Sky condition (Octas)	6	6	4	2	2
Relative humidity (%) 0830 hours	87	88	84	85	87
Relative humidity (%) 1730 hours	15	22	26	19	21
Wind Speed (kmph)	13	14	12	14	14
Wind Direction	245	248	251	244	249

Hunsuru

Parameter	01.05.2024	02.05.2024	03.05.2024	04.05.2024	05.05.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	35.5	35.1	34.2	35.7	36.5
Min.Temp (°C)	21	21.3	21.3	20.3	20.1
Sky condition (Octas)	6	6	4	2	2
Relative humidity (%) 0830 hours	87	85	76	82	83
Relative humidity (%) 1730 hours	16	23	23	16	19
Wind Speed (kmph)	14	13	11	13	13
Wind Direction	248	253	245	250	248

K.R. Nagara

Parameter	01.05.2024	02.05.2024	03.05.2024	04.05.2024	05.05.2024
Rainfall (mm)	0.1	0	0	0	0
Max. temp (°C)	35.7	35.9	34.8	36.5	37.2
Min.Temp (°C)	20.7	20.9	21.2	20.2	20.1
Sky condition (Octas)	6	6	4	2	2
Relative humidity (%) 0830 hours	86	83	72	80	80
Relative humidity (%) 1730 hours	15	22	20	15	18
Wind Speed (kmph)	15	13	10	12	12
Wind Direction	248	253	244	248	245

Mysuru

Parameter	01.05.2024	02.05.2024	03.05.2024	04.05.2024	05.05.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	34.4	34.8	35.1	36	36.2
Min.Temp (°C)	20.4	20.9	20.8	19.6	19.1
Sky condition (Octas)	6	7	5	3	2
Relative humidity (%) 0830 hours	82	82	77	82	81
Relative humidity (%) 1730 hours	18	22	23	18	20
Wind Speed (kmph)	18	15	12	16	16
Wind Direction	248	250	250	245	245

Nanjanagudu

Parameter	01.05.2024	02.05.2024	03.05.2024	04.05.2024	05.05.2024
Rainfall (mm)	0.1	0	0	0	0
Max. temp (°C)	33.4	33.5	33.8	34.1	34.6
Min.Temp (°C)	19.7	20	19.9	18.7	18.3
Sky condition (Octas)	6	7	5	2	2
Relative humidity (%) 0830 hours	82	82	75	83	80
Relative humidity (%) 1730 hours	19	22	23	19	21
Wind Speed (kmph)	18	15	13	16	16
Wind Direction	248	250	243	245	245

Piriapatna

Parameter	01.05.2024	02.05.2024	03.05.2024	04.05.2024	05.05.2024
Rainfall (mm)	0.1	0	0	0	0
Max. temp (°C)	35.5	34.3	33.9	35.9	36
Min.Temp (°C)	21.5	21.4	21.4	20.7	20.5
Sky condition (Octas)	6	5	4	1	1
Relative humidity (%) 0830 hours	90	87	75	85	85
Relative humidity (%) 1730 hours	16	29	25	17	20
Wind Speed (kmph)	11	13	10	12	12
Wind Direction	245	257	261	250	249

T. Narasipura

Parameter	01.05.2024	02.05.2024	03.05.2024	04.05.2024	05.05.2024
Rainfall (mm)	0.1	0	0	0	0
Max. temp (°C)	34.7	35.1	35.6	36	36.4
Min.Temp (°C)	20.7	21.5	21.6	20	19.8
Sky condition (Octas)	5	7	4	2	1
Relative humidity (%) 0830 hours	80	81	70	81	77
Relative humidity (%) 1730 hours	18	19	22	18	21
Wind Speed (kmph)	15	16	12	15	15
Wind Direction	248	250	248	248	248

- 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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