

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



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



Date: 08-04-2024

AGRO-ADVISORY BULLETIN FOR CHAMARAJANAGARA DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Weather forecast for the next five days (From 09-03-2024 to 13-04-2024)

Parameter	09.04.2024	10.04.2024	11.04.2024	12.04.2024	13.04.2024
Rainfall (mm)	0	0	0	0	1
Max. Temp. (°C)	38	38	38	38	38
Min.Temp. (°C)	18	18	19	19	19
Sky condition (Octas)	2	4	3	2	5
Relative humidity (%) 0830 hours	73	73	71	79	74
Relative humidity (%) 1730 hours	22	27	19	19	28
Wind Speed (kmph)	9	10	9	10	9
Wind Direction	158	148	146	148	153

Forecast Summary

As forecast received from IMD, Clear sky with no rainfall may be expected from 09.04.2024 to 13.04.2024 in Chamarajanagara district. The day temperature is expected to be 38°C & night temperature is expected 18-19°C. The relative humidity in the morning hours is expected to be 71-79% & afternoon relative humidity is expected to be in the range of 19-28%. Wind speed expected to be 9-10 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.

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.
Cowpea/Black gram	Aphids	<ul style="list-style-type: none"> • 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.
Coconut	Black headed catterpillar	<p>Remove and burn the severely 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.</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 09-04-2024 to 13-04-2024)**Chamarajanagara**

Parameter	09.04.2024	10.04.2024	11.04.2024	12.04.2024	13.04.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	32.1	30.8	30.8	30.6	30.3
Min.Temp (°C)	17.6	16.7	17.1	17.6	17.2
Sky condition (Octas)	2	3	3	3	5
Relative humidity (%) 0830 hours	70	67	63	80	80
Relative humidity (%) 1730 hours	17	17	20	18	22
Wind Speed (kmph)	10	11	9	12	14
Wind Direction	152	148	146	148	146

Gundlupete

Parameter	09.04.2024	10.04.2024	11.04.2024	12.04.2024	13.04.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	32.2	31	30.4	30.7	30.5
Min.Temp (°C)	17.7	17	17.3	17.7	17.5
Sky condition (Octas)	2	3	3	2	4
Relative humidity (%) 0830 hours	72	63	61	76	81
Relative humidity (%) 1730 hours	17	18	19	17	19
Wind Speed (kmph)	10	11	9	11	12
Wind Direction	191	153	165	146	126

Kollegala

Parameter	09.04.2024	10.04.2024	11.04.2024	12.04.2024	13.04.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	34.9	33.5	33.1	33.3	32.9
Min.Temp (°C)	19.7	18.9	19.3	20.1	19.5
Sky condition (Octas)	2	3	3	2	5
Relative humidity (%) 0830 hours	68	65	64	74	78
Relative humidity (%) 1730 hours	16	15	18	17	21
Wind Speed (kmph)	10	10	9	10	13
Wind Direction	144	135	158	148	126

Yelandur

Parameter	09.04.2024	10.04.2024	11.04.2024	12.04.2024	13.04.2024
Rainfall (mm)	0	0	0	0	0.3
Max. temp (°C)	33.1	31.9	31.5	31.6	31.2
Min.Temp (°C)	18.5	17.6	18	18.6	18.1
Sky condition (Octas)	2	3	3	2	5
Relative humidity (%) 0830 hours	68	66	64	76	78
Relative humidity (%) 1730 hours	16	15	19	17	21
Wind Speed (kmph)	10	10	8	11	13
Wind Direction	152	144	150	148	146

- 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.

**AMFU of IMD,
Naganahalli, Mysuru**