

**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 MYSURU DISTRICT**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

**Past Weather Data**

<b>Parameter</b>	<b>17.04.2024</b>	<b>18.04.2024</b>	<b>19.04.2024</b>
<b>Rainfall (mm)</b>	0	0	0
<b>Max. Temp. (°C)</b>	37.7	37.5	37.2
<b>Min. Temp. (°C)</b>			
<b>Sky condition (Octas)</b>	0	0	0
<b>Relative humidity (%) 0830 hours</b>	68	62	68
<b>Relative humidity (%) 1730 hours</b>	32	27	28
<b>Wind Speed (km/h)</b>	2	2	2
<b>Wind Direction</b>	200	200	250

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

<b>Parameter</b>	<b>20.04.2024</b>	<b>21.04.2024</b>	<b>22.04.2024</b>	<b>23.04.2024</b>	<b>24.04.2024</b>
<b>Rainfall (mm)</b>	4	3	3	2	2
<b>Max. temp (°C)</b>	37	36.4	37.7	38	38
<b>Min.Temp (°C)</b>	22.8	23	22.6	22.4	22
<b>Sky condition (Octas)</b>	6	6	3	3	2
<b>Relative humidity (%) 0830 hours</b>	76	75	80	72	73
<b>Relative humidity (%) 1730 hours</b>	27	39	24	22	17
<b>Wind Speed (kmph)</b>	11	9	10	8	9
<b>Wind Direction</b>	245	270	248	234	206

**Forecast Summary**

As forecast received from IMD, cloudy sky with light rainfall may be expected from 20.04.2024 to 24.04.2024 in Mysuru district. The day temperature is expected to be 36.4-38°C & night temperature is expected 22-23°C. The relative humidity in the morning hours is expected to be 72-80% & afternoon relative humidity is expected to be in the range of 17-39%. 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"> <li>• <b>Water Management:</b> Ensure adequate water supply to crops. Implement efficient irrigation systems such as drip irrigation to minimize water loss through evaporation.</li> <li>• <b>Crop Selection:</b> Opt for drought-resistant or heat-tolerant crop varieties that can withstand high temperatures.</li> <li>• <b>Timing of Farming Activities:</b> 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.</li> <li>• <b>Mulching:</b> Apply mulch to retain soil moisture and regulate soil temperature. Mulching also helps to suppress weed growth, reducing competition for water.</li> <li>• <b>Monitoring:</b> Regularly monitor soil moisture levels, crop health and animal behavior to detect signs of heat stress or dehydration early.</li> <li>• <b>Livestock Management:</b> Ensure adequate ventilation and access to clean water and shade for livestock. Avoid moving animals during the hottest parts of the day.</li> <li>• <b>Poultry:</b> 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</li> <li>• <b>Vermicompost:</b> 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.</li> </ul>			
Chilli	Thrips and mites	<p><b>Symptoms :</b> 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><b>Management:</b> 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"> <li>• The grubs bore the pseudostem, affected plants with number of holes on pseudostem, breaking of infested plants at damaged portion due to wind.</li> <li>• <b>Management:</b> 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.</li> </ul>	
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>	

		<b>melathion 50 EC @ 1 ml/lit water.</b>
<b>Sugarcane</b>	<b>Trash management</b>	<b>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.</b>
<b>Coconut</b>	<b>Black headed catterpillar</b>	<b>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.</b>
<b>Cattle management during summer months</b>		<ul style="list-style-type: none"> <li>• <b>Maximum temperature expected to rise in coming days so tie the livestock animals in shade / cool place.</b></li> <li>• <b>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.</b></li> <li>• <b>Arrangements should be made so that air can flow easily in the cattle shed.</b></li> <li>• <b>Clean water should be given to the cattles.</b></li> <li>• <b>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.</b></li> </ul>

### Block level weather forecast (From 20-04-2024 to 24-04-2024)

<b>H.D. Kote</b>					
<b>Parameter</b>	<b>20.04.2024</b>	<b>21.04.2024</b>	<b>22.04.2024</b>	<b>23.04.2024</b>	<b>24.04.2024</b>
<b>Rainfall (mm)</b>	1.2	1.9	0.8	0	1.4
<b>Max. temp (°C)</b>	34.2	30.4	34.3	33.9	34.2
<b>Min.Temp (°C)</b>	21.4	20.9	20.4	21.2	20.9
<b>Sky condition (Octas)</b>	8	7	5	3	3
<b>Relative humidity (%) 0830 hours</b>	79	76	84	74	75
<b>Relative humidity (%) 1730 hours</b>	19	32	17	18	17
<b>Wind Speed (kmph)</b>	11	10	12	9	10
<b>Wind Direction</b>	242	249	248	252	236

**Hunsuru**

<b>Parameter</b>	<b>20.04.2024</b>	<b>21.04.2024</b>	<b>22.04.2024</b>	<b>23.04.2024</b>	<b>24.04.2024</b>
<b>Rainfall (mm)</b>	0	0.4	0.5	0	0.9
<b>Max. temp (°C)</b>	34.3	32.3	35.1	34.3	34.9
<b>Min.Temp (°C)</b>	21.4	20.8	20.5	21	20.4
<b>Sky condition (Octas)</b>	8	8	5	3	2
<b>Relative humidity (%) 0830 hours</b>	73	73	79	70	75
<b>Relative humidity (%) 1730 hours</b>	22	31	18	21	18
<b>Wind Speed (kmph)</b>	10	10	11	9	10
<b>Wind Direction</b>	250	283	250	270	105

**K.R. Nagara**

<b>Parameter</b>	<b>20.04.2024</b>	<b>21.04.2024</b>	<b>22.04.2024</b>	<b>23.04.2024</b>	<b>24.04.2024</b>
<b>Rainfall (mm)</b>	0.3	2.2	0.9	0	0
<b>Max. temp (°C)</b>	34.6	33.3	35.6	34.5	35.3
<b>Min.Temp (°C)</b>	21.3	20.5	20.4	20.5	20.2
<b>Sky condition (Octas)</b>	8	8	5	3	2
<b>Relative humidity (%) 0830 hours</b>	69	70	74	68	75
<b>Relative humidity (%) 1730 hours</b>	23	30	19	22	16
<b>Wind Speed (kmph)</b>	10	10	11	10	11
<b>Wind Direction</b>	250	289	270	330	113

**Mysuru**

<b>Parameter</b>	<b>20.04.2024</b>	<b>21.04.2024</b>	<b>22.04.2024</b>	<b>23.04.2024</b>	<b>24.04.2024</b>
<b>Rainfall (mm)</b>	1.8	0.5	3	0	0
<b>Max. temp (°C)</b>	34.1	32.1	34.3	34	34.1
<b>Min.Temp (°C)</b>	20.5	20.3	19.8	20.2	20
<b>Sky condition (Octas)</b>	8	8	5	3	2
<b>Relative humidity (%) 0830 hours</b>	74	70	76	71	71
<b>Relative humidity (%) 1730 hours</b>	20	27	20	20	16
<b>Wind Speed (kmph)</b>	13	9	13	9	12
<b>Wind Direction</b>	248	253	248	251	117

**Nanjanagudu**

<b>Parameter</b>	<b>20.04.2024</b>	<b>21.04.2024</b>	<b>22.04.2024</b>	<b>23.04.2024</b>	<b>24.04.2024</b>
<b>Rainfall (mm)</b>	0.3	0.1	0	0	0
<b>Max. temp (°C)</b>	33.1	31	32.9	33	33.1
<b>Min.Temp (°C)</b>	19.8	19.4	19	19.4	19.2
<b>Sky condition (Octas)</b>	8	7	5	3	2
<b>Relative humidity (%) 0830 hours</b>	73	71	73	72	63
<b>Relative humidity (%) 1730 hours</b>	20	27	20	18	16
<b>Wind Speed (kmph)</b>	13	10	12	10	11
<b>Wind Direction</b>	248	250	248	68	135

**Piriapatna**

<b>Parameter</b>	<b>20.04.2024</b>	<b>21.04.2024</b>	<b>22.04.2024</b>	<b>23.04.2024</b>	<b>24.04.2024</b>
<b>Rainfall (mm)</b>	0	0	0.4	0	0
<b>Max. temp (°C)</b>	35	32.2	35	34.9	34.8
<b>Min.Temp (°C)</b>	21.5	21.2	20.6	21.2	20.4
<b>Sky condition (Octas)</b>	8	8	5	3	2
<b>Relative humidity (%) 0830 hours</b>	77	74	81	72	76
<b>Relative humidity (%) 1730 hours</b>	28	35	21	26	18
<b>Wind Speed (kmph)</b>	9	10	10	9	9
<b>Wind Direction</b>	252	281	255	293	225

**T. Narasipura**

<b>Parameter</b>	<b>20.04.2024</b>	<b>21.04.2024</b>	<b>22.04.2024</b>	<b>23.04.2024</b>	<b>24.04.2024</b>
<b>Rainfall (mm)</b>	0	0.5	0.5	0.6	0
<b>Max. temp (°C)</b>	34.2	33.2	33.9	33.9	34.5
<b>Min.Temp (°C)</b>	21.1	20.5	20.3	20.3	20.1
<b>Sky condition (Octas)</b>	8	7	5	3	2
<b>Relative humidity (%) 0830 hours</b>	71	70	72	74	60
<b>Relative humidity (%) 1730 hours</b>	20	25	20	17	15
<b>Wind Speed (kmph)</b>	13	9	12	10	12
<b>Wind Direction</b>	248	255	248	68	113

- 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](http://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,  
Naganahalli, Mysuru**