

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



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MYSURU - 570003**



**Date: 06-05-2024**

**AGRO-ADVISORY BULLETIN FOR CHAMARAJANAGARA DISTRICT**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

**Weather forecast for the next five days (From 07-05-2024 to 11-05-2024)**

<b>Parameter</b>	<b>07.05.2024</b>	<b>08.05.2024</b>	<b>09.05.2024</b>	<b>10.05.2024</b>	<b>11.05.2024</b>
<b>Rainfall (mm)</b>	4	26	16	10	8
<b>Max. Temp. (°C)</b>	38	38	37.9	37.6	37.6
<b>Min.Temp. (°C)</b>	23.4	23.2	23	23.4	23.2
<b>Sky condition (Octas)</b>	3	7	6	6	7
<b>Relative humidity (%) 0830 hours</b>	80	80	82	74	72
<b>Relative humidity (%) 1730 hours</b>	23	27	42	32	29
<b>Wind Speed (kmph)</b>	9	9	6	8	7
<b>Wind Direction</b>	248	240	225	191	202

**Forecast Summary**

As forecast received from IMD, Cloudy sky with moderate rainfall may be expected from 07.05.2024 to 11.05.2024 in Chamarajanagara district. The day temperature is expected to be 37.6-38°C & night temperature is expected 23-23.4°C. The relative humidity in the morning hours is expected to be 72-82% & afternoon relative humidity is expected to be in the range of 23-42%. Wind speed expected to be 6-9 km/ hr.

**Recommendations to the farmers:**

<b>Crop</b>	<b>Pest/Disease</b>	<b>Damage symptoms</b>	<b>Control measures</b>
➤	<b>Post-Rain Ploughing:</b>	Take advantage of the softened soil after the rain to conduct ploughing operations. This can help incorporate moisture into the soil and improve its structure. However, ensure that the soil is not too wet to avoid compaction.	
➤	<b>Prepare Seeds:</b>	Keep seeds ready for sowing once the weather improves. Ensure seeds are stored in dry and well-ventilated areas to prevent moisture-related damage. Check seed quality before planting to ensure optimal germination and crop establishment.	
➤	<b>Pest and Disease Management:</b>	With the onset of rains, there's an increased risk of pest and disease outbreaks. Farmers should proactively monitor their fields for signs of pests and diseases and be prepared to implement control measures as necessary. Organic methods such as neem oil or biological control agents can be effective and environmentally friendly options.	
➤	<b>Crop Protection:</b>	If feasible, consider covering seedbeds or nurseries with protective materials like mulch or shade nets to shield them from heavy rainfall and potential soil erosion.	
➤	<b>Field Drainage:</b>	Assess field drainage systems and ensure they are functioning effectively to prevent waterlogging. Clear any blockages in drains and trenches to facilitate proper water runoff.	

- **Crop Selection:** Opt for crop varieties that are less susceptible to waterlogging and fungal diseases during the premonsoon period. Consult with local agricultural experts for recommendations tailored to your region's conditions.
- **Post-Rain Inspection:** After the rains subside, inspect fields for any signs of waterlogging, erosion, or disease outbreaks. Take prompt action to address any issues and mitigate further damage to crops.

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	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"> <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	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	<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 severely affected fronds.</p> <p>On community basis feed the Manocrotophos 36 SL. to the palm through root.</p> <p><b>Method:</b> 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</p>

		harvest tender coconuts/matured coconuts for 30 days from date of chemical treatment.
Cattle management during summer months		<ul style="list-style-type: none"> <li>• Maximum temperature expected to rise in coming days so tie the livestock animals in shade / cool place.</li> <li>• 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.</li> <li>• Arrangements should be made so that air can flow easily in the cattle shed.</li> <li>• Clean water should be given to the cattles.</li> <li>• 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.</li> </ul>

### Block level weather forecast (From 07-05-2024 to 11-05-2024)

#### Chamarajanagara

Parameter	07.05.2024	08.05.2024	09.05.2024	10.05.2024	11.05.2024
Rainfall (mm)	0	9.4	0.5	10.2	0
Max. temp (°C)	31.9	32.5	29.9	30.2	28.1
Min.Temp (°C)	19.2	19.7	20	20.8	20.8
Sky condition (Octas)	2	6	5	5	4
Relative humidity (%) 0830 hours	82	80	79	77	65
Relative humidity (%) 1730 hours	26	33	31	28	32
Wind Speed (kmph)	10	7	8	9	7
Wind Direction	288	255	293	72	162

#### Gundlupete

Parameter	07.05.2024	08.05.2024	09.05.2024	10.05.2024	11.05.2024
Rainfall (mm)	0	8.2	0	6.2	0
Max. temp (°C)	31	31.8	29.3	30.6	28.7
Min.Temp (°C)	19.1	19.8	19.7	21	20.9
Sky condition (Octas)	2	6	5	6	5
Relative humidity (%) 0830 hours	85	82	81	76	65
Relative humidity (%) 1730 hours	29	34	34	25	29
Wind Speed (kmph)	11	8	8	7	8
Wind Direction	261	248	261	108	68

#### Kollegala

Parameter	07.05.2024	08.05.2024	09.05.2024	10.05.2024	11.05.2024
Rainfall (mm)	0	22	0	8	0
Max. temp (°C)	34.8	34.9	32.5	32.6	30

<b>Min.Temp (°C)</b>	21.3	21.3	22.1	21.8	22.1
<b>Sky condition (Octas)</b>	1	6	6	4	3
<b>Relative humidity (%) 0830 hours</b>	78	89	78	81	70
<b>Relative humidity (%) 1730 hours</b>	23	32	33	30	36
<b>Wind Speed (kmph)</b>	10	8	7	9	7
<b>Wind Direction</b>	270	113	248	72	68

### Yelandur

<b>Parameter</b>	<b>07.05.2024</b>	<b>08.05.2024</b>	<b>09.05.2024</b>	<b>10.05.2024</b>	<b>11.05.2024</b>
<b>Rainfall (mm)</b>	0	12.4	0.7	13.8	0.2
<b>Max. temp (°C)</b>	33	33.4	30.9	31.1	28.7
<b>Min.Temp (°C)</b>	19.9	20.2	20.8	21.2	21.2
<b>Sky condition (Octas)</b>	2	6	6	5	3
<b>Relative humidity (%) 0830 hours</b>	81	84	79	77	68
<b>Relative humidity (%) 1730 hours</b>	24	32	31	29	34
<b>Wind Speed (kmph)</b>	10	8	8	10	7
<b>Wind Direction</b>	288	245	285	90	30

- 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 Assoiicateover phone No. 0821-259126/ 9535345814.

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