

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



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



Date: 31-05-2024

AGRO-ADVISORY BULLETIN FOR CHAMARAJANAGARA DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Weather forecast for the next five days (From 01-06-2024 to 05-06-2024)

Parameter	01.06.2024	02.06.2024	03.06.2024	04.06.2024	05.06.2024
Rainfall (mm)	12	60	20	15	20
Max. Temp. (°C)	34	34	32	31	31
Min.Temp. (°C)	18.6	18.9	19.4	18.5	17.7
Sky condition (Octas)	4	6	8	8	8
Relative humidity (%) 0830 hours	84	83	85	86	85
Relative humidity (%) 1730 hours	42	42	41	51	52
Wind Speed (kmph)	10	12	9	8	9
Wind Direction	288	292	257	270	252

Forecast Summary

As forecast received from IMD, Cloudy sky with moderate rainfall may be expected from 01.06.2024 to 05.06.2024 in Chamarajanagara district. The day temperature is expected to be 31-34°C & night temperature is expected 17.7-19.4°C. The relative humidity in the morning hours is expected to be 83-86% & afternoon relative humidity is expected to be in the range of 41-52%. Wind speed expected to be 8-12 km/ hr.

Recommendations to the farmers:

Crop	Pest/Disease	Damage symptoms	Control measures
Crops that can grown in the month of June			
Paddy: BR-2655, Jaya, MSN-99			
Aerobic Rice: Daksha (KMP-175), Vanasiri (MAS-26), Sharada (MAS-946), Anaga (ARB-6), Rashi			
Finger millet: INDAF-8, MR-1, MR-6, L-5, KMR-301, GPU-45, KMAR-316			
Kodo millet: RBK-155, GPUK-3			
Maize: Hema, Nityashree, MAH-14-5			
Shaktiman Maize: CSH-5, CSH-9, CSV-4			
Pop corn: Amber			
Little millet: Co-2, OLM-203, GPUL-6			
Barugu: GPUP-8, GPUP-21, GPUP-28			
Navane: PS-4, SIA-326, GPUF-3			
Barnyard millet: DHBM-93-3			

Bajra: WCC-75, PHVB-910, ICTP-8203, SMV-221, MH-946
Groundnut: GKVK-5, GKVK-27, KCG-6, GpBD-4, ICGV,-91114, JL-24, TMV-2
Sunflower: KBSH-41, KBSH-42, KBSH-44, KBSH-53, KBSH-78, KBSH-85
Castor: DSH-9, DSH-177, GSH-4, 48-1
Niger: KBN-1
Red gram: BRG-1, BRG-2, BRG-36, BRG-4, BRG-5, ICP-7035, TTB-7, Hyderabad-3C
Sugarcane: Co-62175, Co-86032, CoVC-18061
Horticultural crops: Tomato, Potato, Brinjal, Chilli, Cabbage, Radish, Knol Khol, Carrot, Onion, Mango, Banana, Lemon, Guava, Mosambi, Sapota, papaya, Pomegranate, Pineapple, Cashew nut, Garlic, Ginger, Tumeric
Fodder crops:
Maize: African tall
Sorghum: MP Chaari, Pusa Chaari, JS-3, JS-20, COFS-29
Bajra: Deena Bhandu-49A
Cowpea: KBC-2, MFC-09-3

Water Management:

- ✓ **Irrigation:** Suspend irrigation activities to prevent overwatering.
- ✓ **Drainage:** Ensure proper drainage systems are in place to avoid waterlogging in the fields.

1. **Rice:**
 - **Transplanting:** If transplanting is planned, ensure fields are properly leveled and water is managed efficiently.
 - **Weeding:** Manual weeding can be done before the rains to control weed growth.
2. **Maize:**
 - ✓ **Planting:** If planting maize, ensure seeds are sown at the correct depth to prevent them from being washed away by rain.
 - ✓ **Water Management:** Maintain proper drainage to avoid waterlogging, which can affect seed germination and plant growth.
3. **Vegetables (Tomato, Chilli, Brinjal):**
 - ❖ **Staking:** Provide support to plants to prevent lodging due to wind and rain.
 - ❖ **Disease Monitoring:** Regularly check for fungal diseases such as blight, which are more common in humid and wet conditions. Apply fungicides as needed.
4. **Fruit Crops (Mango, Papaya, Banana):**
 - **Pruning:** Remove any diseased or damaged branches to improve air circulation and reduce disease risk.
 - **Drainage:** Ensure good drainage around fruit trees to prevent root rot.

Rainwater Harvesting: Set up rainwater harvesting systems to capture and store rainfall for future use.

Coconut	Rugose whitefly	<p>The immature and adult whiteflies have a sucking feeding habit, feeding on the under surfaces of the leaflets. Extensive feeding of the insect leads to the excretion of honey dew which encourages growth of the fungus <i>Capnodium sp.</i> which affects the photosynthetic efficiency of the plant.</p> <p>Sooty mould (<i>Capnodium sp.</i>) growth on the leaf surface can be flaked out by spraying 2.5% of maida paste solution mixed with detergent/ Khadi soap @ 5g/ l.</p> <p>In severe cases, spray only neem oil 0.5% or NSKE 5% and avoid spraying any form of insecticides.</p>
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Coconut	Rhinoceros beetle	Remove the beetle from infected part and fill 2 % Quinolphos or 5 % Melathion in sand @ 1:1 ratio.
Ginger	Rhizome treatment	Treat the rhizomes with 2 gm bleaching powder, 1 gm Metalaxyl MZ- 72, 1 gm Streptocycline mixed in 1 ltr of water. Treat the rhizomes 30 minutes and dry in shade. This will prevent rhizome rot problems.
Ginger	Rhizome rot	Symptoms: Yellowing of leaves, drying of leaf margin followed by burning of entire leaf, bottom portion of the shoot with water soaked soft, orange coloured rhizomes turn to brown colour, gradual rotting of such rhizomes. To manage this disease by drench the base of the plants with 2.0 g. Captan 50 WP or 2.0 g. Metalaxyl - MZ 72WP. In a lit.water.
Sugarcane	Topdressing and intercultivation	Provide topdressing in 3 splits, first topdressing should be given in 45 days after planting with 20% nitrogen, second is to be given after 75 days after planting using 30% of total nitrogen. The final topdressing should be given after 105 days with the remaining 40% nitrogen. Application of fertilizers in between ploughed rows of both sides will be more efficient use of fertilizers possible. Alternatively provide the fertilizers surrounding seedlings with 4 - 5" depth.
Tomato Chilli, Brinjal	Before sowing Seedlings treatment	To avoid incidence of wilt disease, Treat the vegetable seedlings with biofertilizers <i>Tricoderma</i> (4 grms) before planting.

Block level weather forecast (From 01-06-2024 to 05-06-2024)					
Chamarajanagara					
Parameter	01.06.2024	02.06.2024	03.06.2024	04.06.2024	05.06.2024
Rainfall (mm)	12	60	20	15	20
Max. temp (°C)	34	34	32	31	31
Min.Temp (°C)	19.5	19.8	19.2	18.5	18.3
Sky condition (Octas)	5	8	8	6	7
Relative humidity (%) 0830 hours	82	84	83	89	85
Relative humidity (%) 1730 hours	39	46	43	40	43
Wind Speed (kmph)	12	12	13	12	12
Wind Direction	270	279	288	291	270

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Parameter	01.06.2024	02.06.2024	03.06.2024	04.06.2024	05.06.2024
Rainfall (mm)	12	60	20	15	20
Max. temp (°C)	34	34	32	31	31
Min.Temp (°C)	19.4	20.1	19.2	18.4	18.2
Sky condition (Octas)	4	7	7	6	7
Relative humidity (%) 0830 hours	84	86	84	90	86
Relative humidity (%) 1730 hours	45	48	48	47	47
Wind Speed (kmph)	12	13	13	12	13
Wind Direction	261	252	257	252	249

Kollegala

Parameter	01.06.2024	02.06.2024	03.06.2024	04.06.2024	05.06.2024
Rainfall (mm)	12	60	20	15	20
Max. temp (°C)	34	34	32	31	31
Min.Temp (°C)	21.5	21.3	20.5	20	19.7
Sky condition (Octas)	3	8	8	6	6
Relative humidity (%) 0830 hours	82	84	87	90	87
Relative humidity (%) 1730 hours	36	42	44	42	44
Wind Speed (kmph)	12	13	11	11	11
Wind Direction	261	270	283	257	257

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Parameter	01.06.2024	02.06.2024	03.06.2024	04.06.2024	05.06.2024
Rainfall (mm)	12	60	20	15	20
Max. temp (°C)	34	34	32	31	31
Min.Temp (°C)	20.2	20.3	19.6	19	18.7
Sky condition (Octas)	4	8	8	6	7
Relative humidity (%) 0830 hours	83	84	86	90	87
Relative humidity (%) 1730 hours	38	45	45	41	44
Wind Speed (kmph)	12	13	12	12	12
Wind Direction	281	285	270	270	257

- 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 Assocateover phone No. 0821-259126/ 9535345814.

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