

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



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



Date: 24-05-2024

AGRO-ADVISORY BULLETIN FOR CHAMARAJANAGARA DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Weather forecast for the next five days (From 25-05-2024 to 29-05-2024)

Parameter	25.05.2024	26.05.2024	27.05.2024	28.05.2024	29.05.2024
Rainfall (mm)	12	8	8	6	0
Max. Temp. (°C)	30.3	29.9	30.4	31	30.8
Min.Temp. (°C)	21.1	21.6	22	21.8	22.4
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	82	85	81	85	84
Relative humidity (%) 1730 hours	68	52	57	59	48
Wind Speed (kmph)	8	15	17	18	18
Wind Direction	257	249	249	252	288

Forecast Summary

Heavy rainfall from 22nd - 24th May likely over South Interior Karnataka.

As forecast received from IMD, Cloudy sky with moderate rainfall may be expected from 25.05.2024 to 29.05.2024 in Chamarajanagara district. The day temperature is expected to be 29.9-31°C & night temperature is expected 21.1-22.4°C. The relative humidity in the morning hours is expected to be 81-85% & afternoon relative humidity is expected to be in the range of 48-68%. Wind speed expected to be 8-18 km/ hr.

Recommendations to the farmers:

Crop	Pest/Disease	Damage symptoms	Control measures
Crops that can be grown during the month of May			
Ragi: INDAF – 9, GPU-45, 48.			
Maize: Hema, Nityashree, MAH-14-5			
Pop corn: Amber			
Shaktiman maize: CSV-4, CSH-5, CSH-9			
Groundnut: GKVK-5, KCG-6 (Chinthamani-6), GPBD-4, ICGV-91114, TMV-2, JL-24			
Soybean: MAUS-2 (Pooja), Karune (Vegetable soybean), KBS-23			
Pigeonpea: BRG-1, BRG-2, BRG-3, BRG-4, BRG-5, ICP-7035, TTB-7, Hyderabad-3c			
Greengram: PS-16, Pusa Baisakhi, PDM-84-178, KKM-3			
Blackgram: Karagoan-3, T-9, Rashmi, LBG-791			
Cowpea: TVX-944-02-E, KBC-1, KBC-2, KBC-9, IT-98456-1, KM-05, PGCP-6			

Horticultural crops: Banana, Arecanut, Chilli, Tomato, Tumeric, potato, Ginger

Fodder crops:

Fodder maize: African tall

Sorghum: MP Chaari, Pusa chaari, JS-3, JS-20, COFS-29.

Bajra: Deena bhandhu-49A

Cowpea: KBC-2

Before the Rainfall:

Harvest Ready Crops:

Harvest mature crops that are ready to avoid spoilage due to excess moisture.

Drainage Preparation:

Ensure that drainage systems, including ditches and canals, are clear of debris to prevent waterlogging. Create ridges and furrows to direct water away from sensitive crop areas.

Secure Infrastructure:

Check and reinforce structures like greenhouses, storage facilities, and barns to withstand heavy winds and rain.

Store seeds, fertilizers, and pesticides in elevated, waterproof areas.

Livestock Protection:

Move livestock to higher ground or secure shelters to protect them from flooding and extreme weather conditions.

During the Rainfall:

Monitor Weather Updates:

Stay updated with local weather forecasts and warnings to respond promptly to changing conditions.

Avoid Field Work:

Refrain from working in the fields to avoid risks associated with flooding and heavy winds.

Check Drainage Regularly:

Monitor and maintain drainage systems to ensure they are functioning properly and water is being diverted as planned.

After the Rainfall:

Assess Damage:

Inspect fields for signs of waterlogging, erosion, or crop damage.

Check for any damage to farm infrastructure, such as broken fences or flooded storage areas.

Drain Excess Water:

Pump out standing water from fields to prevent prolonged waterlogging and root rot.

Soil Management:

Consider soil aeration methods, such as light tilling, to improve soil structure and oxygen levels.

Add organic matter to help soil recover and regain its fertility.

Crop Care:

Treat crops with appropriate fungicides if fungal diseases are a concern due to high moisture levels.

Replant damaged areas if necessary, taking into account the remaining growing season.

Documentation and Reporting:

Document any losses or damage for insurance purposes.

Report significant damage to local agricultural authorities for potential assistance programs.

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.
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 25-05-2024 to 29-05-2024)

Chamarajanagara

Parameter	25.05.2024	26.05.2024	27.05.2024	28.05.2024	29.05.2024
Rainfall (mm)	10.5	0.4	8.8	3.6	0.1
Max. temp (°C)	22.9	30.1	26.4	21.1	25.9
Min.Temp (°C)	18.3	18.5	16.9	15.9	17.7
Sky condition (Octas)	7	7	8	8	6
Relative humidity (%) 0830 hours	81	83	89	87	82
Relative humidity (%) 1730 hours	61	39	49	70	51
Wind Speed (kmph)	6	8	9	10	25
Wind Direction	135	117	169	208	252

Gundlupete

Parameter	25.05.2024	26.05.2024	27.05.2024	28.05.2024	29.05.2024
Rainfall (mm)	7.1	0.3	25.4	5.4	1
Max. temp (°C)	23.2	29.8	24.4	21.6	25.7
Min.Temp (°C)	18.5	18.6	16.6	16.2	17.9
Sky condition (Octas)	7	7	8	8	6
Relative humidity (%) 0830 hours	79	84	92	89	85
Relative humidity (%) 1730 hours	61	41	55	67	56
Wind Speed (kmph)	7	6	7	10	24
Wind Direction	126	120	161	169	249

Kollegala

Parameter	25.05.2024	26.05.2024	27.05.2024	28.05.2024	29.05.2024
Rainfall (mm)	16.3	0	3.2	2.1	0
Max. temp (°C)	26.7	32.2	31.1	23.3	29.2
Min.Temp (°C)	19.8	20.6	19.2	17.8	19.6
Sky condition (Octas)	7	7	8	8	6
Relative humidity (%) 0830 hours	84	81	84	87	80
Relative humidity (%) 1730 hours	54	40	49	62	46
Wind Speed (kmph)	6	8	8	10	26
Wind Direction	113	117	210	214	252

Yelandur

Parameter	25.05.2024	26.05.2024	27.05.2024	28.05.2024	29.05.2024
Rainfall (mm)	13.9	0.9	4.4	2.6	0.3
Max. temp (°C)	24.7	30.9	28.5	22	27.2
Min.Temp (°C)	18.9	19.2	17.9	16.6	18.4
Sky condition (Octas)	7	7	8	8	6
Relative humidity (%) 0830 hours	83	83	86	87	82
Relative humidity (%) 1730 hours	57	39	49	65	49
Wind Speed (kmph)	6	8	8	10	25
Wind Direction	113	117	207	207	252

- 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.

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