

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



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



Date: 17-06-2025

AGRO-ADVISORY BULLETIN FOR CHAMARAJANAGARA DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data

Parameter	14.06.2025	15.06.2025	16.06.2025	17.06.2025
Rainfall (mm)	0.5	0.5	0	0.5
Max. Temp. (°C)	29.8	29.1	27.9	27.6
Min. Temp. (°C)	22.1	21.5	21.1	21.9
Sky condition (Octas)	-	-	-	-
Relative humidity (%) 0830 hours	76	78	78	81
Relative humidity (%) 1730 hours	64	76	80	80
Wind Speed (km/h)	-	-	-	-
Wind Direction	-	-	-	-

Weather forecast for the next five days (From 18-06-2025 to 22-06-2025)

Parameter	18.06.2025	19.06.2025	20.06.2025	21.06.2025	22.06.2025
Rainfall (mm)	10	7	6	5	7
Max. Temp. (°C)	28	28	28	28	29
Min.Temp. (°C)	22	22	22	23	23
Sky condition (Octas)	7	6	5	5	6
Relative humidity (%) 0830 hours	85	86	86	86	83
Relative humidity (%) 1730 hours	69	68	64	65	62
Wind Speed (kmph)	14	12	12	10	10
Wind Direction	261	268	268	268	360
Weather Warning	GW	GW	GW	-	-

*GW - Gusty wind

Forecast Summary

As forecast received from IMD, partially cloudy sky with **light rainfall** may be expected from 18.06.2025 to 22.06.2025 in Chamarajanagara district. The day temperature is expected to be 28-29°C & night temperature is expected 22-23°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 62-69 %. Wind speed expected to be 10-14 km/ hr.

General Advisory:

- **Partly cloudy sky and light rainfall** expected – suitable for field operations such as sowing, transplanting, and fertilizer application.
- **Gusty winds likely** on 18th and 19th – support banana, pepper, and other tall crops to prevent lodging.
- **Maintain proper drainage** in low-lying fields to prevent excess moisture and root diseases, especially in vegetables, ginger, and spices.
- **Humidity levels are high** – favorable for fungal and bacterial diseases. Apply **preventive fungicides** (like Copper oxychloride or Mancozeb) during dry spells.
- **Fertilizer application** is favorable during this period – split doses are recommended for better efficiency.
- **Livestock care:** Provide shelter, dry bedding, and clean drinking water. Avoid grazing during gusty conditions.
 - Protect livestock from rain and provide clean drinking water

SMS Advisory:

Rain expected next 5 days. Ensure field drainage, delay fertilizer use, stake banana, monitor pests. Keep livestock shelters dry.

Crops and Suitable Varieties for Sowing in May

Paddy (Rice)

- **General Sowing:** MSN-99
- **Late June (3rd-4th week):** BR-2655, Jaya
- **Aerobic Paddy:** Daksha (KMP-175), Onnasiri (MAS-26), Sharada (MAS-946), Anagha (ARB-6), Rashi

Ragi (Finger Millet): Indaf-8, MR-1, MR-6, L-5, KMR-301, GPU-45, KMR-316

Maize (Shaktiman Maize): CSH-5, CSH-9

Pearl Millet (Musuku Jola): Hema, Nithyashree, MAH-14-5, MAH-14-138, MAH-15-84

Popcorn: Amber

Bajra (Pearl Millet): WCC-75, PHVB-910

- **Late June (3rd-4th week):** ICTP-8203, SMV-221, MH-946 (GHB-558)

Foxtail Millet (Navane): PS-4, SIA-326, GPUF-3

Horsegram (Haraka): RBK-155, GPUK-3

Little Millet (Same): CO-2, OLM-203, GPUL-6, GPUL-11

Proso Millet (Oodalu): DHBM-93-3

Kodo Millet (Korale): GPUBT-2

Red Gram (Pigeon Pea / Togari): BRG-1, BRG-2, BRG-3, BRG-4, BRG-5, ICP-7035, TTB-7, Hyderabad-3C

Groundnut (Nelekadale): GKVK-5, KCG-6 (Chintamani-6), GPBD-4, ICGV-91114, JL-24, TMV-2, GKVK-27

Sunflower: KBSH-41, 90, 44, 53, 78, 85

Soybean (Soya Avare): MAUS-2 (Pooja), Karune (vegetable soybean), KBS-23

Cotton: DCS-9 (Jyoti), 48-1 (Jwala)

- **Hybrid Varieties:** DCH-177, GCH-4, 30.N.23-66

Sesame (Hucchellu) - 4th week of June: KBN-1, No.71, KBN-2, 52: 2.2-62175, 2.2-86032, 2.2.A.2-18061

Horticultural Crops

- **Vegetables:** Tomato, Potato, Brinjal, Chilli, Cabbage, Radish, Knol-khol, Carrot, Onion
- **Fruits:** Mango, Banana, Lime, Guava, Sweet lime, Sapota, Papaya, Pomegranate, Pineapple, Cashew
- **Spices:** Garlic, Ginger, Turmeric, Cardamom

Fodder Crops

- **Sorghum (Fodder Maize):** JS-SF-3
- **Cowpea (Fodder):** MF-09-01, MF-08-14, 2-09-03
- **Napier-Bajra Hybrid Grass:** PBN-342

Category	Advisory
Livestock	Provide clean and fresh drinking water regularly due to moderate temperatures. Ensure well-ventilated, dry, and shaded shelters to protect animals from humidity and mild rainfall. Monitor animals for signs of respiratory issues due to humid conditions.
Poultry	Keep poultry sheds dry and well-ventilated. Avoid overcrowding to reduce stress and disease risk during humid and rainy days. Provide clean water and balanced feed during cooler morning and evening hours. Maintain hygiene to prevent fungal and bacterial infections.

Recommendations to the farmers:-

Weather based advisory

Crop	Stage	Advisory Based on Forecast
Paddy	Summer-Harvesting Kharif- Nursery preparation	<ul style="list-style-type: none"> • Delay harvesting on 18th June due to heavy rain. • Prefer 21–22 June for harvesting and drying in clear weather. • Utilize rainfall for nursery bed preparation. • Ensure drainage to prevent seedling rot. • Avoid sowing during heavy rain days (18–19 June).
Maize	Vegetative	<ul style="list-style-type: none"> • Rain and humidity favor growth but also pests/diseases. • Monitor for leaf blight and stem borer; apply control measures in dry hours.
Tomato	Fruit formation	<ul style="list-style-type: none"> • High humidity can cause blight and fruit rot. • Use protective fungicide sprays (e.g., Mancozeb or Copper oxychloride). • Ensure good air circulation.
Chilli	Fruit formation	<ul style="list-style-type: none"> • Monitor for anthracnose and fruit rot. • Harvest mature fruits before expected rain. • Avoid water stagnation.
Banana	Fruit development	<ul style="list-style-type: none"> • Moderate wind requires propping/support. • Monitor for leaf spot diseases; apply sprays during dry periods.
Black gram, Green gram, Red gram, Field bean, Cowpea	Sowing / Harvesting	<ul style="list-style-type: none"> • Sowing: ideal after 20th June, if fields are not waterlogged. • Harvest: Delay until rain decreases to avoid losses.
Sugarcane	Vegetative	<ul style="list-style-type: none"> • Good growth due to rainfall. • Watch for early shoot borer and whitefly; apply neem oil or traps.
Mango	Fruit development	<ul style="list-style-type: none"> • Harvest mature fruits before 18th June rainfall. • Post-harvest: Dry fruits and store well. • Control fruit fly using pheromone traps.
Vegetable crops (general)	Various stages	<ul style="list-style-type: none"> • High humidity and cloudy weather favor fungal and bacterial diseases like blight, damping-off, and powdery mildew. • Ensure proper drainage and avoid waterlogging. • Apply preventive fungicides (e.g., Copper oxychloride, Mancozeb) during dry spells. • Avoid sowing/transplanting on 18–19 June; prefer 20–22 June. • Monitor aphids and whiteflies; use neem-based insecticides.

Livestock, Poultry, and Sericulture Advisory

Sector	Weather-Based Advisory
Livestock	Ensure clean, shaded, and well-ventilated shelters to prevent heat and humidity stress.

	Provide plenty of clean drinking water . Use fans if possible. Avoid grazing during midday heat . Supplement with mineral mixture and salt licks to maintain animal health. Regularly check hooves and shelter hygiene due to increased moisture.
Poultry	Maintain proper cross-ventilation and ensure adequate space in sheds to avoid crowding. Sprinkle water around sheds to reduce temperature. Provide cool, clean water with electrolytes . Feed birds during early morning and evening . Ensure dry bedding to prevent fungal issues due to humidity.
Sericulture	Maintain optimal rearing room temperature (26–28°C) and humidity (75–80%) through humidifiers or water sprinkling . Avoid overcrowding of worms. Provide well-moistened mulberry leaves , and protect mulberry gardens from rain damage using proper drainage and partial shade. Monitor for fungal diseases due to changing humidity.

Recommendation to farmers		
Crop specific advisory:		
Crop	Stage	Advisory
Maize fall army worm	Tasseling stage	<ul style="list-style-type: none"> ✓ Handpick and destroy egg masses and larvae. ✓ Use predators like <i>Trichogramma pretiosum</i> or parasitoids like <i>Telenomus remus</i>. ✓ Apply <i>Metarhizium anisopliae</i> or <i>Beauveria bassiana</i>. ✓ Spray Chlorantraniliprole 18.5% SC @ 0.4 ml/l or Emamectin benzoate 5% SG @ 0.4 g/l. Avoid excessive nitrogen application.
Coconut rugose whitefly	Vegetative stage	<ul style="list-style-type: none"> ✓ Prune and burn infested leaves. ✓ Release <i>Encarsia guadeloupae</i> parasitoids. Conserve natural predators like ladybird beetles (<i>Cryptolaemus montrouzieri</i>). ✓ Spray Neem oil 1% or use Acephate 75 SP @ 1 g/l as a spot application if infestation is severe.
Chilli leaf curl virus	Fruit formation stage	<ul style="list-style-type: none"> ✓ Use virus-free seeds and resistant varieties. Maintain proper spacing and avoid overlapping. ✓ Remove and destroy infected plants. Use yellow sticky traps to monitor whitefly populations. ✓ Spray Imidacloprid 17.8% SL @ 0.5 ml/l or Thiamethoxam 25 WG @ 0.3 g/l.
Tomato Early and late blight of tomato	Flowering	<p>For late blight of tomato 15 days prior to transplanting Trichoderma and Pseudomonas enriched compost may be incorporated to the soil.</p> <p>For early blight control spray 2.0 g. Mancozeb 75 WP</p> <p>OR</p> <p>2.0 g. Maneb</p> <p>OR</p> <p>2.0 g. Metalaxyl- MZ 72WP.</p> <p>OR</p> <p>2.0 g. Dimethomorph + polyram/lit. water.</p> <p>For control of late blight spray 2.0 g. Metalaxyl - MZ 72WP.</p> <p>OR</p> <p>2.0 g. Fosetyl al 80 WP</p> <p>OR</p> <p>2.0 g. Dimethomorph + polyram in a lit. water, 5 weeks after transplanting. Repeat the spray 7th, 9th and 11th weeks after transplanting. 200- 250 lit. spray solution required/acre/spray.</p>

Block level weather forecast (From 18-06-2025 to 22-06-2025)

Chamarajanagara

Parameter	18.06.2025	19.06.2025	20.06.2025	21.06.2025	22.06.2025
Rainfall (mm)	0.3	0.2	0.3	0.2	0.2
Max. temp (°C)	27.7	28.4	28.2	28.8	28.6
Min.Temp (°C)	20.4	20.7	20.6	20.4	20.8
Sky condition (Octas)	7	7	7	6	6
Relative humidity (%) 0830 hours	85.4	86.8	86.1	87	81.6
Relative humidity (%) 1730 hours	56.3	51.3	50.4	49.6	47
Wind Speed (kmph)	7.7	11.4	9	10.4	11.5
Wind Direction	297.8	298.2	306.9	303.7	302.2

Gundlupete

Parameter	18.06.2025	19.06.2025	20.06.2025	21.06.2025	22.06.2025
Rainfall (mm)	0.9	0.8	0.6	0.5	0.5
Max. temp (°C)	27	27.7	27.9	28.1	28.2
Min.Temp (°C)	20.9	21	21	20.8	21.1
Sky condition (Octas)	7	6	7	6	6
Relative humidity (%) 0830 hours	83.2	84.2	83.6	84.6	80.5
Relative humidity (%) 1730 hours	60.9	55.2	53.9	53.6	50.2
Wind Speed (kmph)	15	17.7	15.9	16.6	16.6
Wind Direction	260.3	265.3	266.1	268.8	268.8

Kollegala

Parameter	18.06.2025	19.06.2025	20.06.2025	21.06.2025	22.06.2025
Rainfall (mm)	1	0.8	1.4	0.2	0.3
Max. temp (°C)	28.4	29.5	28.9	29.6	29.6
Min.Temp (°C)	21.4	21.2	21.4	20.9	21.1
Sky condition (Octas)	7	6	8	6	6
Relative humidity (%) 0830 hours	85.6	86.2	85.5	86	83.2
Relative humidity (%) 1730 hours	58.5	51.9	52	51.2	50.4
Wind Speed (kmph)	9.5	11.2	9.1	10.6	10.8
Wind Direction	245.4	255.1	251.6	252.2	254.6

Yelandur

Parameter	18.06.2025	19.06.2025	20.06.2025	21.06.2025	22.06.2025
Rainfall (mm)	0.7	0.6	1	0.1	0.3
Max. temp (°C)	28.4	29.5	28.9	29.6	29.6
Min.Temp (°C)	21.4	21.2	21.4	20.9	21.1
Sky condition (Octas)	7	6	8	6	6
Relative humidity (%) 0830 hours	85.6	86.2	85.5	86	83.2
Relative humidity (%) 1730 hours	58.5	51.9	52	51.2	50.4
Wind Speed (kmph)	9.5	11.2	9.1	10.6	10.8
Wind Direction	245.4	255.1	251.6	252.2	254.6

Hanur					
Parameter	18.06.2025	19.06.2025	20.06.2025	21.06.2025	22.06.2025
Rainfall (mm)	0.6	0.8	1.7	0.2	0.2
Max. temp (°C)	27.8	28.6	28.7	28.9	28.8
Min.Temp (°C)	20.8	20.7	20.6	20.4	20.5
Sky condition (Octas)	7	6	8	6	6
Relative humidity (%) 0830 hours	83.7	84.2	83.8	84.2	80.4
Relative humidity (%) 1730 hours	55.4	48.4	48.2	48.2	46.4
Wind Speed (kmph)	11.2	13	13	12.6	13.3
Wind Direction	264.5	266.8	266.8	266.7	268.5

- 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, Technical officer over phone No. 0821-259126/ 9535345814.

AMFU of IMD,
Naganahalli, Mysuru