

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



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



Date: 23-07-2024

AGRO-ADVISORY BULLETIN FOR CHAMARAJANAGARA DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data

Parameter	19.07.2024	20.07.2024	21.07.2024	22.07.2024	23.07.2024
Rainfall (mm)	4	1	0	0	0.5
Max. Temp. (°C)	26.7	25.8	27.6	29.1	28.1
Min. Temp. (°C)	22	21.7	22.6	22.3	22.5
Sky condition (Octas)					
Relative humidity (%) 0830 hours	92	90	79	82	91
Relative humidity (%) 1730 hours	95	92	87	70	83
Wind Speed (km/h)	-	-	-	-	-
Wind Direction	-	-	-	-	-

Weather forecast for the next five days (From 24-07-2024 to 28-07-2024)

Parameter	24.07.2024	25.07.2024	26.07.2024	27.07.2024	28.07.2024
Rainfall (mm)	2	2	2	3	4
Max. Temp. (°C)	33.9	34.6	32.6	33.6	33.2
Min.Temp. (°C)	16.2	16.7	16.8	16.9	16.5
Sky condition (Octas)	8	8	8	8	7
Relative humidity (%) 0830 hours	79	80	79	76	80
Relative humidity (%) 1730 hours	56	53	56	51	53
Wind Speed (kmph)	20	22	22	22	20
Wind Direction	252	252	248	249	252

Forecast Summary

As forecast received from IMD, Cloudy sky with **light rainfall** may be expected from 24.07.2024 to 28.07.2024 in Chamarajanagara district. The day temperature is expected to be 32.6-34.6°C & night temperature is expected 16.2-16.9°C. The relative humidity in the morning hours is expected to be 76-80% & afternoon relative humidity is expected to be in the range of 51-56%. Wind speed expected to be 20-22 km/ hr.

Recommendations to the farmers:

Crop	Pest/Disease	Damage symptoms	Control measures
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General Advisory

For pulses, treat the seeds with *Rhizobium* culture and fungicides to ensure healthy germination and to protect against soil-borne diseases.

Rhizobium Inoculation: Mix *Rhizobium* culture with the seeds at the rate of 5-7 grams per kilogram of seed to enhance nitrogen fixation and improve growth.

Fungicide Treatment: Treat seeds with Thiram or Carbendazim @ 2 grams per kilogram of seed to prevent fungal diseases.

Crop	Stage	Advisory
Pulses	Sowing / Recently sown	Ensure proper soil moisture for germination. Avoid waterlogging. Apply a light irrigation if needed.
Cabbage, Cauliflower	Vegetative stage	Monitor for pest and disease outbreaks due to humidity. Ensure good drainage to avoid root diseases.
Tomato	Fruit development	Regularly check for signs of fungal diseases. Support plants to prevent fruit from touching wet soil.
Chilli	Vegetative stage	Maintain proper soil moisture without waterlogging. Watch for signs of leaf curl and other pests.
Brinjal	Fruit development	Inspect for fruit borer and other pests. Ensure adequate support to prevent fruit contact with soil.
Paddy	Transplanting	Maintain standing water of 2-3 cm. Ensure good drainage post heavy rains to prevent seedling damage.
Ragi	Transplanting	Ensure fields are not waterlogged. Light irrigation might be needed if the soil starts drying.

Livestock Management:

- **Shelter and Hygiene:**
 - Ensure proper shelter for livestock to protect them from rain and fluctuating temperatures.
 - Maintain cleanliness in animal shelters to prevent disease outbreaks.
- **Health Management:**
 - Monitor livestock for signs of illness, especially respiratory issues due to high humidity.
 - Provide clean drinking water and balanced nutrition to maintain animal health.

Maize Fall army worm	Vegetative stage	5% damage- Application of 5% neem seed kernel extract (NSKE) or azadirachtin 1500ppm @ 5ml/litre (1 litre/acre) of water. 10% damage- Whorl application of any one of the recommended insecticides for FAW, viz., Chlorantraniliprole 18.5 SC (80 ml/acre) @ 0.4 ml/litre or Spinetoram 11.7 %SC (100ml/acre) @ 0.5 ml/litre or Emamectin benzoate 5% SG (80g/acre) @ 0.4g/litre.
Coconut	Rugose whitefly	✓ Spraying starch solution (1%) to dislodge the heavy sooty mould deposition on the leaves of infested plants. ✓ Use of yellow sticky traps to trap the adult whiteflies ✓ In case of severe infestation, spray neem oil 0.5%
Cowpea	Pod borer	Caterpillar bore the pods and feed on seeds. Infested pods with hole. On tender pods spray Chlorpyrifos - 20 EC. @ 2 ml./lit. water. 300 lit. spray solution/acre.

Tomato Serpentine leaf miner	Fruiting	Larva mines the leaf epidermis, serpentine tunnels on leaves. Spray 0.3 ml. Imidachloprid 17.8 SL. or 2.0 ml. Triazophos 40 EC/lit. water.
Tomato Fruit borer	Fruiting	<ul style="list-style-type: none"> Caterpillar bore the flower buds and fruits. Infested flower buds with hole and drops off, fruit with a hole, water enter through the hole leads to rotting. Trap crop: 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 100 LE, Ha. NPV. If infestation in severe form spray 1.0 g. Methomil 40 SP. in a lit. water
Coconut	Rhinoceros beetle	Remove the beetle from infected part and fill 2 % Quinolphos or 5 % Melathion in sand @ 1:1 ratio.

Block level weather forecast (From 24-07-2024 to 28-07-2024)

Chamarajanagara

Parameter	24.07.2024	25.07.2024	26.07.2024	27.07.2024	28.07.2024
Rainfall (mm)	0.5	0	0.1	0.1	0.3
Max. temp (°C)	23.7	23.7	24.3	22.9	22.8
Min.Temp (°C)	17.2	17.3	17.7	17.8	17.5
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	78	78	75	79	79
Relative humidity (%) 1730 hours	56	55	54	55	57
Wind Speed (kmph)	28	29	31	29	27
Wind Direction	248	248	248	248	249

Gundlupete

Parameter	24.07.2024	25.07.2024	26.07.2024	27.07.2024	28.07.2024
Rainfall (mm)	0.4	0.1	0.4	0.4	0.3
Max. temp (°C)	23.9	23.6	24.2	23	22.8
Min.Temp (°C)	17.3	17.4	17.6	17.9	17.6
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	83	84	81	83	84
Relative humidity (%) 1730 hours	62	63	61	61	64
Wind Speed (kmph)	26	26	28	28	25
Wind Direction	248	248	248	248	248

Kollegala

Parameter	24.07.2024	25.07.2024	26.07.2024	27.07.2024	28.07.2024
Rainfall (mm)	1.4	0	0.3	1.1	0.9
Max. temp (°C)	25.4	26.1	26.4	25.3	26.1
Min.Temp (°C)	18.7	18.9	19.3	19.3	19
Sky condition (Octas)	8	8	8	7	7
Relative humidity (%) 0830 hours	79	80	76	81	81
Relative humidity (%) 1730 hours	58	56	55	58	55
Wind Speed (kmph)	27	29	30	27	26
Wind Direction	248	248	248	248	249

Yelandur

Parameter	24.07.2024	25.07.2024	26.07.2024	27.07.2024	28.07.2024
Rainfall (mm)	1	0.1	0.2	0.6	0.7
Max. temp (°C)	24	24.6	25.1	23.7	24.1
Min.Temp (°C)	17.7	17.8	18.2	18.3	17.9
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	79	79	76	81	80
Relative humidity (%) 1730 hours	58	56	55	58	57
Wind Speed (kmph)	27	29	31	28	26
Wind Direction	248	248	248	248	249

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Parameter	24.07.2024	25.07.2024	26.07.2024	27.07.2024	28.07.2024
Rainfall (mm)	1.4	0.2	0.5	0.9	1
Max. temp (°C)	25.8	26.5	26.6	25.4	26.1
Min.Temp (°C)	19	19.2	19.7	19.7	19.3
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	81	81	78	83	82
Relative humidity (%) 1730 hours	63	59	60	62	61
Wind Speed (kmph)	25	27	28	25	23
Wind Direction	248	248	248	248	249

- 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.

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