

**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 MANDYA 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)	6.8	4	0	0.1	0.3
Max. Temp. (°C)	27.6	25	28.4	28.4	28.4
Min. Temp. (°C)	21.6	21.8	21.9	22	21.1
Sky condition (Octas)	-	8	8	6	8
Relative humidity (%) 0830 hours	-	88	85	75	82
Relative humidity (%) 1730 hours	96	84	66	79	-
Wind Speed (km/h)	-	6	6	6	8
Wind Direction	-	230	230	230	230

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	3	3	4
Max. temp (°C)	28.9	28.9	29.4	29.3	30.4
Min.Temp (°C)	17.1	17.6	17.5	17.8	17.5
Sky condition (Octas)	8	8	8	8	7
Relative humidity (%) 0830 hours	85	84	84	82	83
Relative humidity (%) 1730 hours	62	62	60	58	55
Wind Speed (kmph)	8	10	11	12	12
Wind Direction	248	248	248	252	257

Forecast Summary

As forecast received from IMD, cloudy sky with **light rainfall** may be expected from 24.07.2024 to 28.07.2024 in Mandya district. The day temperature is expected to be 28.9-30.4°C & night temperature is expected 17.1-17.8°C. The relative humidity in the morning hours is expected to be 82-85% & afternoon relative humidity is expected to be in the range of 55-62% per cent. Wind speed expected to be 8-12 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%
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)

Krishnarajpet

Parameter	24.07.2024	25.07.2024	26.07.2024	27.07.2024	28.07.2024
Rainfall (mm)	1.9	1.9	1.9	1.3	0.4
Max. temp (°C)	26.3	26.6	26.6	27.4	27.5
Min.Temp (°C)	18.8	18.6	19.3	19.5	19.1
Sky condition (Octas)	8	8	8	7	8
Relative humidity (%) 0830 hours	85	87	85	85	87
Relative humidity (%) 1730 hours	65	64	64	61	59
Wind Speed (kmph)	23	22	25	24	24
Wind Direction	257	248	249	270	257

Maddur

Parameter	24.07.2024	25.07.2024	26.07.2024	27.07.2024	28.07.2024
Rainfall (mm)	1.4	1.5	1	1.3	0.1
Max. temp (°C)	28.5	28.3	28.7	28.4	29.3
Min.Temp (°C)	20.1	20	20.8	20.9	20.5
Sky condition (Octas)	8	8	8	7	7
Relative humidity (%) 0830 hours	83	84	79	80	82
Relative humidity (%) 1730 hours	56	57	55	55	51
Wind Speed (kmph)	22	21	24	22	24
Wind Direction	257	248	249	257	257

Malvalli

Parameter	24.07.2024	25.07.2024	26.07.2024	27.07.2024	28.07.2024
Rainfall (mm)	2.5	1.7	1.8	2.4	0.8
Max. temp (°C)	27.2	27.2	28.1	27	28.4

Min.Temp (°C)	19.4	19.4	20.1	20.1	19.8
Sky condition (Octas)	8	8	8	7	7
Relative humidity (%) 0830 hours	84	85	80	84	84
Relative humidity (%) 1730 hours	58	58	56	58	52
Wind Speed (kmph)	22	22	24	21	23
Wind Direction	257	248	248	249	257

Mandya

Parameter	24.07.2024	25.07.2024	26.07.2024	27.07.2024	28.07.2024
Rainfall (mm)	1.9	1.6	1.1	1.5	0
Max. temp (°C)	27.4	27.4	28.1	27.8	28.9
Min.Temp (°C)	19.5	19.5	20.4	20.4	20
Sky condition (Octas)	8	8	8	7	7
Relative humidity (%) 0830 hours	83	85	81	82	84
Relative humidity (%) 1730 hours	57	59	57	56	52
Wind Speed (kmph)	22	21	24	22	24
Wind Direction	257	248	249	257	257

Nagamangala

Parameter	24.07.2024	25.07.2024	26.07.2024	27.07.2024	28.07.2024
Rainfall (mm)	0.7	0.7	0.7	0.8	0.1
Max. temp (°C)	27.8	28.1	28.2	28.4	28.4
Min.Temp (°C)	19.6	19.5	20	20.1	19.5
Sky condition (Octas)	8	8	8	7	7
Relative humidity (%) 0830 hours	80	80	79	79	82
Relative humidity (%) 1730 hours	61	61	60	59	56
Wind Speed (kmph)	26	26	28	26	26
Wind Direction	257	248	249	257	257

Pandavapura

Parameter	24.07.2024	25.07.2024	26.07.2024	27.07.2024	28.07.2024
Rainfall (mm)	2.3	1.8	1.6	1.6	0.3
Max. temp (°C)	26.8	26.5	27.2	27.1	27.8
Min.Temp (°C)	19	18.9	19.6	19.8	19.3
Sky condition (Octas)	8	8	8	7	8

Relative humidity (%) 0830 hours	86	88	84	85	87
Relative humidity (%) 1730 hours	62	64	61	60	56
Wind Speed (kmph)	22	21	24	23	24
Wind Direction	257	248	249	257	257

Shrirangapattana					
Parameter	24.07.2024	25.07.2024	26.07.2024	27.07.2024	28.07.2024
Rainfall (mm)	2.7	2.2	2	2.3	0.7
Max. temp (°C)	26.2	25.8	26.9	26.5	27.3
Min.Temp (°C)	18.7	18.6	19.2	19.5	19
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	86	88	85	86	88
Relative humidity (%) 1730 hours	62	64	61	60	57
Wind Speed (kmph)	22	21	24	22	24
Wind Direction	257	248	248	257	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**, Technical officer over phone No. 0821-259126/ 9535345814.

**AMFU of IMD,
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