

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



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



Date: 06-05-2024

AGRO-ADVISORY BULLETIN FOR MANDYA DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data			
Parameter	03.05.2024	04.05.2024	05.05.2024
Rainfall (mm)	0	28.8	0
Max. Temp. (°C)	40.6	38.6	38.2
Min. Temp. (°C)	26.3	22.9	23.8
Sky condition (Octas)	4	4	6
Relative humidity (%) 0830 hours	74	84	75
Relative humidity (%) 1730 hours	34	95	43
Wind Speed (km/h)	4	4	6
Wind Direction	230	230	230

Weather forecast for the next five days (From 07-05-2024 to 11-05-2024)

Parameter	07.05.2024	08.05.2024	09.05.2024	10.05.2024	11.05.2024
Rainfall (mm)	3	28	26	12	10
Max. temp (°C)	39	37.7	37.4	37.6	37.4
Min.Temp (°C)	23.5	23.4	23.4	23.2	23
Sky condition (Octas)	2	7	4	6	6
Relative humidity (%) 0830 hours	80	76	80	74	72
Relative humidity (%) 1730 hours	19	30	37	29	28
Wind Speed (kmph)	14	12	11	10	10
Wind Direction	250	251	244	195	248

Forecast Summary

As forecast received from IMD, cloudy sky with moderate rainfall may be expected from 07.05.2024 to 11.05.2024 in Mandya district. The day temperature is expected to be 37.4-39°C & night temperature is expected 23-23.5°C. The relative humidity in the morning hours is expected to be 72-80% & afternoon relative humidity is expected to be in the range of 19-37% per cent. Wind speed expected to be 12-15 km/ hr.

Recommendations to the farmers:

Crop	Pest/Disease	Damage symptoms	Control measures
<p>➤ Post-Rain Ploughing: Take advantage of the softened soil after the rain to conduct ploughing operations. This can help incorporate moisture into the soil and improve its structure. However, ensure that the soil is not too wet to avoid compaction.</p> <p>➤ Prepare Seeds: Keep seeds ready for sowing once the weather improves. Ensure seeds are stored in dry and well-ventilated areas to prevent moisture-related damage. Check seed quality before planting to ensure optimal germination and crop establishment.</p> <p>➤ Pest and Disease Management: With the onset of rains, there's an increased risk of pest and disease outbreaks. Farmers should proactively monitor their fields for signs of pests and diseases and be prepared to implement control measures as necessary. Organic methods such as neem oil or biological control agents can be effective and environmentally friendly options.</p> <p>➤ Crop Protection: If feasible, consider covering seedbeds or nurseries with protective materials like mulch or shade nets to shield them from heavy rainfall and potential soil erosion.</p> <p>➤ Field Drainage: Assess field drainage systems and ensure they are functioning effectively to prevent waterlogging. Clear any blockages in drains and trenches to facilitate proper water runoff.</p> <p>➤ Crop Selection: Opt for crop varieties that are less susceptible to waterlogging and fungal diseases during the premonsoon period. Consult with local agricultural experts for recommendations tailored to your region's conditions.</p> <p>➤ Post-Rain Inspection: After the rains subside, inspect fields for any signs of waterlogging, erosion, or disease outbreaks. Take prompt action to address any issues and mitigate further damage to crops.</p>			
Chilli	Thrips and mites	Symptoms : Severe leaf curling in both upward and downward directions, elongated petiole, Yellow mixed green leaves, the irregular leaf size with curled leaves, stunted growth of the plants.	Management: spray 2.5 ml. Dicofol 18.5 EC or 0.3 ml. Imidacloprid 17.8 SL./lit. water. Repeat the spray at an interval of 10 days, around 200 lit. spray solution/acre/spray.
Bean	Yellow mosaic virus	Yellow mixed green coloured leaves, stunted growth, to manage this disease uproot the infected plants and spray Imidocloprid 17.8 SL @ 0.5ml/lt.of water.	
Banana	Pseudo stem borer	<ul style="list-style-type: none"> The grubs bore the pseudostem, affected plants with number of holes on pseudostem, breaking of infested plants at damaged portion due to wind. Management: Add 3.0 ml. Chloropyriphos 20 EC.or 3.0 ml. Dimethoate 30 EC. with 5.0 ml. water. Inject the mixture to the pseudostem about a feet height from ground level. 	
Tomato	Fruit borer	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 1.0 g. Methomil 40 SP. in a lit. water.	
Cowpea/Black gram	Aphids	Several individuals suck the sap from tender shoots, flower buds, flowers, leaves and tender pods. Yellowing of leaves, shrivelled grains and sooty mold on leaves. To manage this pest spray Dimethoate – 30 EC. @ 1.7 ml./liter water spray. 200 lit. Spray mixture/acre or azadirachtin 1500ppm @ 5ml/litre.	
Tomato	late blight of tomato	White or ash coloured fungal growth on ventral surface of the leaves. Drying of plants if infestation severe.	For control of late blight spray 2.5 g. Capton 50 WP. or 2.5 g. Capton 75 WP or 2.5 g. Copper oxychloride 50% WP in

a lit. water. 300 lit. spray solution required/acre/spray.

Before transplanting dip the Tomato/ Brinjal/ Chilli seedlings roots with *Pseudomonas fluorescens* solution (1gm/ltr of water) to avoid incidence of diseases in next stages

Block level weather forecast (From 07-05-2024 to 11-05-2024)

Krishnarajpet

Parameter	07.05.2024	08.05.2024	09.05.2024	10.05.2024	11.05.2024
Rainfall (mm)	0.6	9.6	0	5.6	0.6
Max. temp (°C)	37	34.2	35.4	34.6	33.7
Min.Temp (°C)	21.1	21.6	22.2	22.8	23.1
Sky condition (Octas)	3	6	4	6	6
Relative humidity (%) 0830 hours	82	84	76	73	71
Relative humidity (%) 1730 hours	20	31	18	25	28
Wind Speed (kmph)	12	13	12	11	7
Wind Direction	250	225	15	68	225

Maddur

Parameter	07.05.2024	08.05.2024	09.05.2024	10.05.2024	11.05.2024
Rainfall (mm)	0	5.6	0.2	17.2	0
Max. temp (°C)	38.9	36.7	37.4	35.2	33.2
Min.Temp (°C)	24.2	24	24.6	24.1	24.5
Sky condition (Octas)	2	6	5	6	5
Relative humidity (%) 0830 hours	72	79	71	74	70
Relative humidity (%) 1730 hours	19	29	22	26	34
Wind Speed (kmph)	13	13	9	10	10
Wind Direction	248	162	225	150	189

Malvalli

Parameter	07.05.2024	08.05.2024	09.05.2024	10.05.2024	11.05.2024
Rainfall (mm)	0	11.2	1.6	18	0
Max. temp (°C)	37.5	35.4	35.1	33.8	31.5
Min.Temp (°C)	23.2	23.1	23.6	23.3	23.7
Sky condition (Octas)	1	6	5	5	5
Relative humidity (%) 0830 hours	74	80	74	77	69
Relative humidity (%) 1730 hours	20	29	24	27	35
Wind Speed (kmph)	13	13	9	10	9
Wind Direction	248	248	225	135	195

Mandya

Parameter	07.05.2024	08.05.2024	09.05.2024	10.05.2024	11.05.2024
Rainfall (mm)	0	10.2	0	8.8	0
Max. temp (°C)	38.2	35.7	36.3	34.1	32.6
Min.Temp (°C)	23.5	23.6	24.1	24	24
Sky condition (Octas)	2	6	5	7	5
Relative humidity (%) 0830 hours	75	80	71	74	73
Relative humidity (%) 1730 hours	19	30	20	25	31
Wind Speed (kmph)	14	13	11	11	11
Wind Direction	248	248	23	243	135

Nagamangala

Parameter	07.05.2024	08.05.2024	09.05.2024	10.05.2024	11.05.2024
Rainfall (mm)	0	6	0	5.8	2.7
Max. temp (°C)	37.6	36.5	36.8	35.2	34.1
Min.Temp (°C)	22.5	22.7	23.6	23.5	23.5
Sky condition (Octas)	2	5	4	6	5
Relative humidity (%) 0830 hours	75	78	73	72	73
Relative humidity (%) 1730 hours	19	29	19	24	29
Wind Speed (kmph)	14	13	12	11	8
Wind Direction	250	248	259	191	210

Pandavapura

Parameter	07.05.2024	08.05.2024	09.05.2024	10.05.2024	11.05.2024
Rainfall (mm)	0.2	6.7	0	7.6	0.5
Max. temp (°C)	37.4	34	35.4	34	33.1
Min.Temp (°C)	22.3	22.5	22.9	23.4	23.2
Sky condition (Octas)	3	6	5	7	6
Relative humidity (%) 0830 hours	79	83	73	74	74
Relative humidity (%) 1730 hours	20	31	20	26	29
Wind Speed (kmph)	13	13	12	11	10
Wind Direction	245	242	270	243	210

Shrirangapattana

Parameter	07.05.2024	08.05.2024	09.05.2024	10.05.2024	11.05.2024
Rainfall (mm)	0.1	8.6	0	8.5	0.1
Max. temp (°C)	36.8	33.6	34.7	33.1	32.3
Min.Temp (°C)	21.9	22.1	22.5	23.1	22.9
Sky condition (Octas)	2	6	5	7	6
Relative humidity (%) 0830 hours	79	82	73	74	74
Relative humidity (%) 1730 hours	20	31	22	26	29
Wind Speed (kmph)	14	14	11	11	11
Wind Direction	245	242	281	248	210

- 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.

**AMFU of IMD,
Naganahalli, Mysuru**