

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



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



Date: 09-05-2024

AGRO-ADVISORY BULLETIN FOR MANDYA DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data			
Parameter	12.04.2024	13.05.2024	14.05.2024
Rainfall (mm)	0	17	88.6
Max. Temp. (°C)	34.6	34.6	32.6
Min. Temp. (°C)	23.9	23.3	19.5
Sky condition (Octas)	8	8	8
Relative humidity (%) 0830 hours	87	84	95
Relative humidity (%) 1730 hours	66	78	84
Wind Speed (km/h)	0	0	8
Wind Direction	0	0	180

Weather forecast for the next five days (From 15-05-2024 to 19-05-2024)

Parameter	15.05.2024	16.05.2024	17.05.2024	18.05.2024	19.05.2024
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

Heavy Rain/Thundershowers associated with gusty winds (40-50 kmph) very likely to occur at some places over Kodagu, Mysuru, Chamarajanagar, Mandya districts for next 7 days.

As forecast received from IMD, cloudy sky with moderate rainfall may be expected from 15.05.2024 to 19.05.2024 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 10-14 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/lit.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 <i>Pseudomonous floresences</i> solution (1gm/ltr of water) to avoid incidence of diseases in next stages		

Block level weather forecast (From 15-05-2024 to 19-05-2024)					
Krishnarajpet					
Parameter	15.05.2024	16.05.2024	17.05.2024	18.05.2024	19.05.2024
Rainfall (mm)	2.3	0	3.2	8.7	8.6
Max. temp (°C)	33.2	30.1	30.7	30.7	29.2
Min.Temp (°C)	21.6	20.9	20.1	20.6	21
Sky condition (Octas)	7	6	5	7	7
Relative humidity (%) 0830 hours	71	69	81	81	80
Relative humidity (%) 1730 hours	30	43	39	43	52
Wind Speed (kmph)	11	9	9	8	13
Wind Direction	68	180	68	255	249

Maddur					
Parameter	15.05.2024	16.05.2024	17.05.2024	18.05.2024	19.05.2024
Rainfall (mm)	0.3	0	0	6.6	5.2
Max. temp (°C)	33.1	30	30.7	31.4	32.4
Min.Temp (°C)	22.9	22.4	21.8	22.4	22.5
Sky condition (Octas)	7	7	6	6	6
Relative humidity (%) 0830 hours	70	70	72	77	79
Relative humidity (%) 1730 hours	33	41	41	38	40
Wind Speed (kmph)	9	7	10	7	12
Wind Direction	72	195	117	203	251

Malvalli					
Parameter	15.05.2024	16.05.2024	17.05.2024	18.05.2024	19.05.2024
Rainfall (mm)	0.5	0	0	5.2	4.6
Max. temp (°C)	32.4	28.5	29.7	30.6	31.7
Min.Temp (°C)	22.3	21.7	21.2	21.8	21.6
Sky condition (Octas)	7	7	6	7	7
Relative humidity (%) 0830 hours	70	70	71	76	78
Relative humidity (%) 1730 hours	31	45	40	38	36

Wind Speed (kmph)	9	7	10	7	12
Wind Direction	68	203	117	207	248

Mandya					
Parameter	15.05.2024	16.05.2024	17.05.2024	18.05.2024	19.05.2024
Rainfall (mm)	0	0	0	4.2	7.5
Max. temp (°C)	32.6	28.4	30.2	30.6	31.3
Min.Temp (°C)	22.7	21.6	21.3	22.3	22.1
Sky condition (Octas)	8	7	5	7	7
Relative humidity (%) 0830 hours	71	70	75	77	81
Relative humidity (%) 1730 hours	32	43	40	39	41
Wind Speed (kmph)	11	6	11	7	13
Wind Direction	68	199	243	225	248

Nagamangala					
Parameter	15.05.2024	16.05.2024	17.05.2024	18.05.2024	19.05.2024
Rainfall (mm)	8.1	0.3	0.6	5.8	8.5
Max. temp (°C)	34	30.6	31.1	32	31.1
Min.Temp (°C)	21.9	21.2	20.7	21.2	21.6
Sky condition (Octas)	7	7	6	6	7
Relative humidity (%) 0830 hours	74	71	76	80	81
Relative humidity (%) 1730 hours	32	42	41	42	50
Wind Speed (kmph)	11	8	9	6	11
Wind Direction	90	158	68	250	257

Pandavapura					
Parameter	15.05.2024	16.05.2024	17.05.2024	18.05.2024	19.05.2024
Rainfall (mm)	2	0	2.5	5.5	9.3
Max. temp (°C)	32.6	28.5	29.8	29.8	30
Min.Temp (°C)	21.8	20.9	20.3	21.5	21.4
Sky condition (Octas)	8	6	5	7	7
Relative humidity (%) 0830 hours	74	70	81	80	83
Relative humidity (%) 1730 hours	32	46	40	43	47
Wind Speed (kmph)	12	7	10	7	13
Wind Direction	68	180	75	248	257

Shrirangapattana

Parameter	15.05.2024	16.05.2024	17.05.2024	18.05.2024	19.05.2024
Rainfall (mm)	1.4	0.1	1.6	4.8	10.2
Max. temp (°C)	32.1	27.4	29.2	29.1	29.7
Min.Temp (°C)	21.5	20.4	19.8	21.2	20.9
Sky condition (Octas)	8	7	5	7	7
Relative humidity (%) 0830 hours	73	70	80	79	84
Relative humidity (%) 1730 hours	31	47	40	42	45
Wind Speed (kmph)	12	7	11	8	14
Wind Direction	68	162	236	242	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 Associate over phone No. 0821-259126/ 9535345814.

**AMFU of IMD,
Naganahalli, Mysuru**