

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



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



Date: 21-05-2024

AGRO-ADVISORY BULLETIN FOR MANDYA DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data			
Parameter	19.04.2024	20.05.2024	21.05.2024
Rainfall (mm)	15.2	0.1	1.4
Max. Temp. (°C)	34.4	32.6	32
Min. Temp. (°C)	22.6	23.8	22.8
Sky condition (Octas)	8	8	8
Relative humidity (%) 0830 hours	92	84	84
Relative humidity (%) 1730 hours	95	73	85
Wind Speed (km/h)	0	4	0
Wind Direction	0	180	0

Weather forecast for the next five days (From 22-05-2024 to 26-05-2024)

Parameter	22.05.2024	23.05.2024	24.05.2024	25.05.2024	26.05.2024
Rainfall (mm)	10	15	12	14	6
Max. temp (°C)	31.1	31.3	32	31.5	31.1
Min.Temp (°C)	22.5	22.2	22.8	22.3	22.5
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	87	87	87	85	81
Relative humidity (%) 1730 hours	46	46	48	48	53
Wind Speed (kmph)	10	14	17	21	25
Wind Direction	240	244	246	257	252

Forecast Summary

Heavy rainfall from 22nd - 24th May likely over South Interior Karnataka.

As forecast received from IMD, cloudy sky with moderate rainfall may be expected from 22.05.2024 to 26.05.2024 in Mandya district. The day temperature is expected to be 31.1-32°C & night temperature is expected 22.2-22.8°C. The relative humidity in the morning hours is expected to be 81-87% & afternoon relative humidity is expected to be in the range of 46-53% per cent. Wind speed expected to be 10-25 km/ hr.

Recommendations to the farmers:

Crop	Pest/Disease	Damage symptoms	Control measures
Crops that can be grown during the month of May			
Ragi: INDAF – 9, GPU-45, 48.			
Maize: Hema, Nityashree, MAH-14-5			
Pop corn: Amber			
Shaktiman maize: CSV-4, CSH-5, CSH-9			
Groundnut: GKVK-5, KCG-6 (Chinthamani-6), GPBD-4, ICGV-91114, TMV-2, JL-24			
Soybean: MAUS-2 (Pooja), Karune (Vegetable soybean), KBS-23			
Pigeonpea: BRG-1, BRG-2, BRG-3, BRG-4, BRG-5, ICP-7035, TTB-7, Hyderabad-3c			
Greengram: PS-16, Pusa Baisakhi, PDM-84-178, KKM-3			
Blackgram: Karagoan-3, T-9, Rashmi, LBG-791			
Cowpea: TVX-944-02-E, KBC-1, KBC-2, KBC-9, IT-98456-1, KM-05, PGCP-6			
Horticultural crops: Banana, Arecanut, Chilli, Tomato, Tumeric, potato, Ginger			
Fodder crops:			
Fodder maize: African tall			
Sorghum: MP Chaari, Pusa chaari, JS-3, JS-20, COFS-29.			
Bajra: Deena bhandhu-49A			
Cowpea: KBC-2			
Before the Rainfall:			
Harvest Ready Crops:			
Harvest mature crops that are ready to avoid spoilage due to excess moisture.			
Drainage Preparation:			
Ensure that drainage systems, including ditches and canals, are clear of debris to prevent waterlogging. Create ridges and furrows to direct water away from sensitive crop areas.			
Secure Infrastructure:			
Check and reinforce structures like greenhouses, storage facilities, and barns to withstand heavy winds and rain.			
Store seeds, fertilizers, and pesticides in elevated, waterproof areas.			
Livestock Protection:			
Move livestock to higher ground or secure shelters to protect them from flooding and extreme weather conditions.			
During the Rainfall:			
Monitor Weather Updates:			
Stay updated with local weather forecasts and warnings to respond promptly to changing conditions.			
Avoid Field Work:			
Refrain from working in the fields to avoid risks associated with flooding and heavy winds.			
Check Drainage Regularly:			
Monitor and maintain drainage systems to ensure they are functioning properly and water is being diverted as planned.			
After the Rainfall:			
Assess Damage:			
Inspect fields for signs of waterlogging, erosion, or crop damage.			
Check for any damage to farm infrastructure, such as broken fences or flooded storage areas.			
Drain Excess Water:			
Pump out standing water from fields to prevent prolonged waterlogging and root rot.			
Soil Management:			
Consider soil aeration methods, such as light tilling, to improve soil structure and oxygen levels.			
Add organic matter to help soil recover and regain its fertility.			
Crop Care:			

Treat crops with appropriate fungicides if fungal diseases are a concern due to high moisture levels. Replant damaged areas if necessary, taking into account the remaining growing season.

Documentation and Reporting:

Document any losses or damage for insurance purposes.

Report significant damage to local agricultural authorities for potential assistance programs.

Coconut	Rhinoceros beetle	Remove the beetle from infected part and fill 2 % Quinolphos or 5 % Melathion in sand @ 1:1 ratio.
Ginger	Rhizome treatment	Treat the rhizomes with 2 gm bleaching powder, 1 gm Metalaxyl MZ- 72, 1 gm Streptocycline mixed in 1 ltr of water. Treat the rhizomes 30 minutes and dry in shade. This will prevent rhizome rot problems.
Ginger	Rhizome rot	Symptoms: Yellowing of leaves, drying of leaf margin followed by burning of entire leaf, bottom portion of the shoot with water soaked soft, orange coloured rhizomes turn to brown colour, gradual rotting of such rhizomes. To manage this disease by drench the base of the plants with 2.0 g. Captan 50 WP or 2.0 g. Metalaxyl - MZ 72WP. In a lit.water.
Sugarcane	Topdressing and intercultivation	Provide topdressing in 3 splits, first topdressing should be given in 45 days after planting with 20% nitrogen, second is to be given after 75 days after planting using 30% of total nitrogen. The final topdressing should be given after 105 days with the remaining 40% nitrogen. Application of fertilizers in between ploughed rows of both sides will be more efficient use of fertilizers possible. Alternatively provide the fertilizers surrounding seedlings with 4 - 5" depth.
Tomato Chilli, Brinjal	Before sowing Seedlings treatment	To avoid incidence of wilt disease, Treat the vegetable seedlings with biofertilizers <i>Tricoderma</i> (4 grms) before planting.
Cattle management during summer months		<ul style="list-style-type: none"> • Maximum temperature expected to rise in coming days so tie the livestock animals in shade / cool place. • Put 4-6 inches of grass cover on the cattle shed, water 2-3 times in the afternoon and also water the floor and walls of the cattle shed. This keeps the cattle shed fairly cool. • Arrangements should be made so that air can flow easily in the cattle shed. • Clean water should be given to the cattles. • Don't allowed the cattle to graze during afternoon period when the temperature is high, cattles should be allowed to graze in the morning or evening time.

Block level weather forecast (From 22-05-2024 to 26-05-2024)**Krishnarajpet**

Parameter	22.05.2024	23.05.2024	24.05.2024	25.05.2024	26.05.2024
Rainfall (mm)	26.3	0.5	4.4	7.1	3.1
Max. temp (°C)	30.6	34.4	32.2	29.1	31
Min.Temp (°C)	20.7	20.5	20.3	20.1	20.2
Sky condition (Octas)	7	7	8	8	8
Relative humidity (%) 0830 hours	82	90	85	83	85
Relative humidity (%) 1730 hours	56	45	50	63	56
Wind Speed (kmph)	10	10	12	14	22
Wind Direction	90	120	203	270	270

Maddur

Parameter	22.05.2024	23.05.2024	24.05.2024	25.05.2024	26.05.2024
Rainfall (mm)	3.2	0	1.7	2.4	1.4
Max. temp (°C)	31.1	35.1	34.3	28.4	32.9
Min.Temp (°C)	22.3	22.8	22.2	21.4	22.4
Sky condition (Octas)	7	7	8	8	7
Relative humidity (%) 0830 hours	81	83	78	81	78
Relative humidity (%) 1730 hours	48	35	37	53	41
Wind Speed (kmph)	11	10	12	12	23
Wind Direction	90	248	225	216	270

Malvalli

Parameter	22.05.2024	23.05.2024	24.05.2024	25.05.2024	26.05.2024
Rainfall (mm)	8.2	0	3.3	1.8	0
Max. temp (°C)	28.9	34.1	32.8	26.2	31.6
Min.Temp (°C)	21.5	22.2	20.9	20.1	21.7
Sky condition (Octas)	7	7	8	8	7
Relative humidity (%) 0830 hours	81	81	81	83	77
Relative humidity (%) 1730 hours	50	36	41	53	41
Wind Speed (kmph)	9	10	10	11	24
Wind Direction	79	248	243	207	252

Mandya

Parameter	22.05.2024	23.05.2024	24.05.2024	25.05.2024	26.05.2024
Rainfall (mm)	9.4	0	2.9	1.8	0
Max. temp (°C)	30	34.6	33.7	27.7	32.2
Min.Temp (°C)	21.9	22.4	21.7	21.4	22.2
Sky condition (Octas)	7	7	8	8	7
Relative humidity (%) 0830 hours	81	84	81	83	79
Relative humidity (%) 1730 hours	53	36	41	56	43
Wind Speed (kmph)	10	11	12	12	23
Wind Direction	90	113	243	236	270

Nagamangala

Parameter	22.05.2024	23.05.2024	24.05.2024	25.05.2024	26.05.2024
Rainfall (mm)	19.3	0	0.8	6	0.4
Max. temp (°C)	32.3	35.4	34.8	31	32.8
Min.Temp (°C)	21.4	21.6	21.7	21.2	21.5
Sky condition (Octas)	7	7	8	8	7
Relative humidity (%) 0830 hours	82	86	79	80	82
Relative humidity (%) 1730 hours	53	38	39	59	51
Wind Speed (kmph)	11	11	13	15	24
Wind Direction	68	150	225	214	270

Pandavapura

Parameter	22.05.2024	23.05.2024	24.05.2024	25.05.2024	26.05.2024
Rainfall (mm)	24.4	0	3.5	2.8	0.1
Max. temp (°C)	29.6	34	32.4	27.6	31.6
Min.Temp (°C)	21.4	21.5	21	20.7	21.3
Sky condition (Octas)	7	7	8	8	7
Relative humidity (%) 0830 hours	83	87	84	82	82
Relative humidity (%) 1730 hours	57	42	49	61	49
Wind Speed (kmph)	10	11	11	12	22
Wind Direction	90	113	203	225	270

Shrirangapattana

Parameter	22.05.2024	23.05.2024	24.05.2024	25.05.2024	26.05.2024
Rainfall (mm)	23.2	0	4	3.1	0
Max. temp (°C)	28.4	33.3	31.6	26.7	30.9
Min.Temp (°C)	21.1	21	20.5	20	20.9
Sky condition (Octas)	7	7	8	8	7
Relative humidity (%) 0830 hours	82	86	84	84	81
Relative humidity (%) 1730 hours	57	41	48	60	47
Wind Speed (kmph)	10	11	11	12	22
Wind Direction	79	113	281	225	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**, Research Assoicateover phone No. 0821-259126/ 9535345814.

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