

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



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



Date: 07-06-2024

AGRO-ADVISORY BULLETIN FOR MANDYA DISTRICT
Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Weather forecast for the next five days (From 08-06-2024 to 12-06-2024)

Parameter	08.06.2024	09.06.2024	10.06.2024	11.06.2024	12.06.2024
Rainfall (mm)	8	7	7	5	5
Max. temp (°C)	30.3	30.6	29.4	29.7	30.9
Min.Temp (°C)	17.4	17.2	17.7	17.9	18.4
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	92	87	84	86	84
Relative humidity (%) 1730 hours	65	58	56	50	50
Wind Speed (kmph)	15	20	22	21	20
Wind Direction	249	248	248	248	248

Forecast Summary

As forecast received from IMD, cloudy sky with **light rainfall** may be expected from 08.06.2024 to 12.06.2024 in Mandya district. The day temperature is expected to be 29.4-30.9°C & night temperature is expected 17.2-18.4°C. The relative humidity in the morning hours is expected to be 84-92% & afternoon relative humidity is expected to be in the range of 50-65% per cent. Wind speed expected to be 15-21 km/ hr.

Recommendations to the farmers:

Crop	Pest/Disease	Damage symptoms	Control measures
Crops that can grown in the month of June			
Paddy: BR-2655, Jaya, MSN-99			
Aerobic Rice: Daksha (KMP-175), Vanasiri (MAS-26), Sharada (MAS-946), Anaga (ARB-6), Rashi			
Finger millet: INDAF-8, MR-1, MR-6, L-5, KMR-301, GPU-45, KMAR-316			
Kodo millet: RBK-155, GPUK-3			
Maize: Hema, Nityashree, MAH-14-5			
Shaktiman Maize: CSH-5, CSH-9, CSV-4			
Pop corn: Amber			
Little millet: Co-2, OLM-203, GPUL-6			
Barugu: GPUP-8, GPUP-21, GPUP-28			
Navane: PS-4, SIA-326, GPUF-3			
Barnyard millet: DHBM-93-3			

Bajra: WCC-75, PHVB-910, ICTP-8203, SMV-221, MH-946
Groundnut: GKVK-5, GKVK-27, KCG-6, GpBD-4, ICGV,-91114, JL-24, TMV-2
Sunflower: KBSH-41, KBSH-42, KBSH-44, KBSH-53, KBSH-78, KBSH-85
Castor: DSH-9, DSH-177, GSH-4, 48-1
Niger: KBN-1
Red gram: BRG-1, BRG-2, BRG-36, BRG-4, BRG-5, ICP-7035, TTB-7, Hyderabad-3C
Sugarcane: Co-62175, Co-86032, CoVC-18061
Horticultural crops: Tomato, Potato, Brinjal, Chilli, Cabbage, Radish, Knol Khol, Carrot, Onion, Mango, Banana, Lemon, Guava, Mosambi, Sapota, papaya, Pomegranate, Pineapple, Cashew nut, Garlic, Ginger, Tumeric
Fodder crops:
Maize: African tall
Sorghum: MP Chaari, Pusa Chaari, JS-3, JS-20, COFS-29
Bajra: Deena Bhandu-49A
Cowpea: KBC-2, MFC-09-3

Water Management:

- ✓ **Irrigation:** Suspend irrigation activities to prevent overwatering.
- ✓ **Drainage:** Ensure proper drainage systems are in place to avoid waterlogging in the fields.

Rainwater Harvesting: Set up rainwater harvesting systems to capture and store rainfall for future use.

Seed treatment of Green gram, black gram, cowpea, Pigeon pea

Treat the seeds with bio-fertilizers like Rhizobium and Phosphorus Solubilising Bacteria (PSB) @ 200 g. /acre, each.

Black gram	Aphid	<p>Adults and nymphs suck the sap from tender shoots, leaves; flower buds, flowers and tender pods. Yellowing of leaves, shriveled grain and development of sooty mold.</p> <p>Spray 1.7 ml. Dimethoate 30 EC. in lit. water, when infestation noticed. 250 lit. spray solution/acre.</p>
Cowpea	Pod borer	<p>Caterpillar bore the pods and feed on seeds. Infested pods with hole.</p> <p>On tender pods spray Chlorpyriphos - 20 EC. @ 2 ml./lit. water. 300 lit. spray solution/acre.</p>
Sugarcane	Seed treatment	<p>Treat the sets with 1 g. Carbendazim/ liter of water for 15 minutes followed by transplanting</p>
Chilli	Use of growth regulator	<ul style="list-style-type: none"> • Generally flower drop will be noticed in chilli crop. • To prevent flower drop spray NAA (Planofix) 50 ppm (50 mg. in 1 litre water) at time of flowering results in higher yield.
Tomato	Serpentine leaf miner	<p>Larva mines the leaf epidermis, serpentine tunnels on leaves.</p> <p>Spray 0.3 ml. Imidachloprid 17.8 SL. or 2.0 ml. Triazophos 40 EC/lit. water.</p>
Tomato	Fruit borer	<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	Rugose whitefly	The immature and adult whiteflies have a sucking feeding habit, feeding on the under surfaces of the leaflets. Extensive feeding of the insect leads to the excretion of honey dew which encourages growth of the fungus <i>Capnodium sp.</i> which affects the photosynthetic efficiency of the plant. Sooty mould (<i>Capnodium sp.</i>) growth on the leaf surface can be flaked out by spraying 2.5% of maida paste solution mixed with detergent/ Khadi soap @ 5g/ l. In severe cases, spray only neem oil 0.5% or NSKE 5% and avoid spraying any form of insecticides.
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.

Block level weather forecast (From 08-06-2024 to 12-06-2024)

Krishnarajpet

Parameter	08.06.2024	09.06.2024	10.06.2024	11.06.2024	12.06.2024
Rainfall (mm)	8	7	7	5	5
Max. temp (°C)	27.8	28	27.6	26.8	25
Min.Temp (°C)	18.9	19.1	19.6	19.6	19.1
Sky condition (Octas)	7	8	8	8	8
Relative humidity (%) 0830 hours	91	86	84	87	88
Relative humidity (%) 1730 hours	58	56	51	57	61
Wind Speed (kmph)	19	23	23	22	21
Wind Direction	248	248	248	248	248

Maddur					
Parameter	08.06.2024	09.06.2024	10.06.2024	11.06.2024	12.06.2024
Rainfall (mm)	8	7	7	5	5
Max. temp (°C)	28.3	28.5	28.1	27.3	25.8
Min.Temp (°C)	19.3	19.5	20.1	19.8	19.5
Sky condition (Octas)	7	8	8	8	8
Relative humidity (%) 0830 hours	92	87	85	89	89
Relative humidity (%) 1730 hours	59	58	52	58	60
Wind Speed (kmph)	18	22	22	22	20
Wind Direction	248	248	248	248	248

Malvalli					
Parameter	08.06.2024	09.06.2024	10.06.2024	11.06.2024	12.06.2024
Rainfall (mm)	8	7	7	5	5
Max. temp (°C)	29.5	30	29.4	28.3	26.6
Min.Temp (°C)	20.1	19.9	20.3	20.2	20.1
Sky condition (Octas)	8	8	7	8	8
Relative humidity (%) 0830 hours	90	85	83	84	83
Relative humidity (%) 1730 hours	57	58	52	57	60
Wind Speed (kmph)	16	20	22	24	20
Wind Direction	248	248	248	248	248

Mandya					
Parameter	08.06.2024	09.06.2024	10.06.2024	11.06.2024	12.06.2024
Rainfall (mm)	8	7	7	5	5
Max. temp (°C)	29.7	29.5	28.9	28.3	25.8
Min.Temp (°C)	20.1	20.4	20.7	20.7	20.3
Sky condition (Octas)	7	8	8	8	8
Relative humidity (%) 0830 hours	89	85	82	85	86
Relative humidity (%) 1730 hours	55	53	49	55	61
Wind Speed (kmph)	19	22	23	22	20
Wind Direction	248	248	248	248	248

Nagamangala

Parameter	08.06.2024	09.06.2024	10.06.2024	11.06.2024	12.06.2024
Rainfall (mm)	8	7	7	5	5
Max. temp (°C)	29.8	29.6	28.9	28	25.5
Min.Temp (°C)	20.1	20.2	20.4	20.5	20.3
Sky condition (Octas)	7	8	8	8	8
Relative humidity (%) 0830 hours	85	82	79	81	82
Relative humidity (%) 1730 hours	49	49	46	54	60
Wind Speed (kmph)	18	24	24	23	22
Wind Direction	248	248	248	248	248

Pandavapura

Parameter	08.06.2024	09.06.2024	10.06.2024	11.06.2024	12.06.2024
Rainfall (mm)	8	7	7	5	5
Max. temp (°C)	30.4	30.1	29.3	28.8	26.7
Min.Temp (°C)	20.7	20.7	20.8	20.9	20.7
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	88	85	83	84	84
Relative humidity (%) 1730 hours	52	53	49	56	61
Wind Speed (kmph)	18	21	21	20	19
Wind Direction	248	248	248	248	248

Shrirangapattana

Parameter	08.06.2024	09.06.2024	10.06.2024	11.06.2024	12.06.2024
Rainfall (mm)	8	7	7	5	5
Max. temp (°C)	28.3	28.3	27.9	26.9	26.4
Min.Temp (°C)	19.1	19.1	19.6	19.5	19.2
Sky condition (Octas)	8	8	7	8	8
Relative humidity (%) 0830 hours	92	88	85	89	89
Relative humidity (%) 1730 hours	59	60	53	59	58
Wind Speed (kmph)	17	20	21	22	19
Wind Direction	248	248	248	248	248

- 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.

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