

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



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Date: 28-06-2024

AGRO-ADVISORY BULLETIN FOR MANDYA DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Weather forecast for the next five days (From 29-06-2024 to 03-07-2024)

Parameter	29.06.2024	30.06.2024	01.07.2024	02.07.2024	03.07.2024
Rainfall (mm)	1	1	1	2	2
Max. temp (°C)	32.8	34.4	34.5	35	34.5
Min.Temp (°C)	18.5	18.9	18.9	19.1	19.2
Sky condition (Octas)	7	7	8	8	8
Relative humidity (%) 0830 hours	88	86	87	86	86
Relative humidity (%) 1730 hours	52	49	52	54	61
Wind Speed (kmph)	19	19	17	17	16
Wind Direction	248	248	248	248	252

Forecast Summary

As forecast received from IMD, cloudy sky with **light rainfall** may be expected from 29.06.2024 to 03.07.2024 in Mandya district. The day temperature is expected to be 32.8-35°C & night temperature is expected 18.5-19.2°C. The relative humidity in the morning hours is expected to be 86-87% & afternoon relative humidity is expected to be in the range of 49-61% per cent. Wind speed expected to be 16-19 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

Raising of seedlings in nursery beds (seedlings required per acre)

Area	:	25 ft. length, 4 ft. wide and 4''height beds of 30 (300 sqm. /acre).
Seed	:	25 (kg./acre)
Selection of good quality seed	:	Add the seeds in water and common salt solution (1: 4 proportion) and mix well, half filled and Chaffey seeds will float, separate these seeds and wash good seeds in fresh water and dry under shade.
Land preparation	:	Plough the land properly, remove the weeds and make raised beds after levelling.
Nutrients required and sowing	:	For every 300 sqm. apply 750 kg FYM and 5.85 kg urea,8.4 kg super phosphate and 2.25kg muriate of potash or any equivalent inorganic fertilizers and mix well in the soil, sowing of treated seeds equally in all 30 nursery beds.
Water management	:	Thinly sprinkle the water two to three times per day.
Weed management	:	Within 24 hrs after sowing for every 300 sqm. nursery area, spray 75 ml Butachlor (50 E.C.) or 30 ml Pretelachlor + Saffner (30 E.C) solution in 25 ltr water or 300 Bensulphuron methyl (0.6% G.) + Pretelachlor (6.0% G.) or 7.5 g. Pyrozosulphuron ethyl (10% wp) mix with 5 - 10 kg sand and broadcast or Pretelachlor 120 g. or 3 or 4 days after of sowing, 24 ml. Anilophos (30 E.C.) in 25 ltr of water and subsequent weeds can be removed by hand weeding.
Plant protection	:	Spray 100 ml. Monocrotophos 36 S.L. after 10 - 12 days after sowing in 50 litres water against green leaf hopper.
Transplanting of seedlings		20 - 25 days after sowing

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.

Maize	Fall army worm	5% damage- Application of 5% neem seed kernel extract (NSKE) or azadirachtin 1500ppm @ 5ml/litre (1 litre/acre)of water.
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		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.
Cowpea	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.
Tobacco	Tobacco leaf curl virus (Vector - Whitefly)	<ul style="list-style-type: none"> Remove and destroy the diseased tobacco seedlings before and after planting whenever they are seen in the field. Fill the gaps with healthy seedlings if it is not too late. Alternate weed hosts for whitefly should be removed and destroyed. In endemic areas <i>Sesbania</i> sp. may be grown as a barrier crop around tobacco fields. Install 12 yellow sticky traps (castor oil coated) per hectare to monitor the whitefly population. If 100-200 whiteflies stick to the trap the following insecticide schedule has to be adopted. 1st spray Chlorpyrifos 20% E.C. @ 25 ml. In 10 litres of water 2nd spray Monocrotophos 36%, W.S.C. @ 15 ml in 10 litres of water 3rd spray Acephate 75% S.P. @ 10 gm in 10 litres of water 4th spray Demeton-s-methyl 25% E.C. @ 15 ml in 10 litres of water
Coconut	Rugose whitefly	<ul style="list-style-type: none"> ✓ 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%
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 Chlorpyrifos - 20 EC. @ 2 ml./lit. water. 300 lit. spray solution/acre.</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	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	<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 29-06-2024 to 03-07-2024)					
Krishnarajpet					
Parameter	29.06.2024	30.06.2024	01.07.2024	02.07.2024	03.07.2024
Rainfall (mm)	1.1	4.8	8.1	0.8	0.9
Max. temp (°C)	30.3	32	32.3	31.4	30.2
Min.Temp (°C)	19.4	19.5	20	20.2	19.4
Sky condition (Octas)	7	8	8	8	8
Relative humidity (%) 0830 hours	91	92	91	84	92
Relative humidity (%) 1730 hours	55	56	55	58	65
Wind Speed (kmph)	16	15	15	17	16
Wind Direction	248	248	248	248	248

Maddur					
Parameter	29.06.2024	30.06.2024	01.07.2024	02.07.2024	03.07.2024
Rainfall (mm)	0.4	0	18.7	20.4	0
Max. temp (°C)	30.8	33.1	33.6	31.8	33.2
Min.Temp (°C)	21	21.4	22.1	21.5	22
Sky condition (Octas)	7	8	8	8	8
Relative humidity (%) 0830 hours	85	84	85	87	82
Relative humidity (%) 1730 hours	49	46	46	55	52
Wind Speed (kmph)	17	17	17	14	17
Wind Direction	248	248	248	249	252

Malvalli					
Parameter	29.06.2024	30.06.2024	01.07.2024	02.07.2024	03.07.2024
Rainfall (mm)	0	0	2.1	13.7	0
Max. temp (°C)	30	32.3	33	31.8	34
Min.Temp (°C)	20.4	20.8	21.5	21	21.8
Sky condition (Octas)	7	8	8	8	8

Relative humidity (%) 0830 hours	82	81	81	84	77
Relative humidity (%) 1730 hours	45	43	43	48	46
Wind Speed (kmph)	20	19	19	17	19
Wind Direction	248	248	248	249	252

Mandya					
Parameter	29.06.2024	30.06.2024	01.07.2024	02.07.2024	03.07.2024
Rainfall (mm)	0	0	6.4	5.6	0
Max. temp (°C)	30.7	32.8	33.1	31.7	33.2
Min.Temp (°C)	20.6	20.8	21.5	21	21.5
Sky condition (Octas)	7	8	8	8	8
Relative humidity (%) 0830 hours	85	85	85	85	82
Relative humidity (%) 1730 hours	48	45	46	54	51
Wind Speed (kmph)	18	18	18	16	18
Wind Direction	248	248	248	249	252

Nagamangala					
Parameter	29.06.2024	30.06.2024	01.07.2024	02.07.2024	03.07.2024
Rainfall (mm)	0.3	0.2	9.4	10.1	0.3
Max. temp (°C)	31.4	33.5	33.3	32.2	31.9
Min.Temp (°C)	20.4	20.6	20.9	21	20.4
Sky condition (Octas)	7	8	8	8	8
Relative humidity (%) 0830 hours	86	87	87	83	88
Relative humidity (%) 1730 hours	50	49	48	58	58
Wind Speed (kmph)	18	18	17	16	18
Wind Direction	248	248	248	248	248

Pandavapura					
Parameter	29.06.2024	30.06.2024	01.07.2024	02.07.2024	03.07.2024
Rainfall (mm)	0.8	4.2	9.2	3	0.3
Max. temp (°C)	30.3	32.3	32.4	31.1	31.5
Min.Temp (°C)	19.8	19.9	20.6	20.3	20.5
Sky condition (Octas)	7	8	8	8	8
Relative humidity (%) 0830 hours	89	90	89	87	87
Relative humidity (%) 1730 hours	53	50	52	57	59

Wind Speed (kmph)	18	17	17	17	18
Wind Direction	248	248	248	248	252

Shrirangapattana					
Parameter	29.06.2024	30.06.2024	01.07.2024	02.07.2024	03.07.2024
Rainfall (mm)	0.4	3.2	8.4	3.8	0.1
Max. temp (°C)	29.8	31.7	31.9	30.7	31.9
Min.Temp (°C)	19.4	19.6	20.2	20	20.4
Sky condition (Octas)	7	8	8	8	8
Relative humidity (%) 0830 hours	87	88	88	87	85
Relative humidity (%) 1730 hours	52	49	51	56	55
Wind Speed (kmph)	19	18	18	17	19
Wind Direction	248	248	248	249	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**, Technical officer over phone No. 0821-259126/ 9535345814.

**AMFU of IMD,
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