

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



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MYSURU - 570003**



Date: 21-06-2024

AGRO-ADVISORY BULLETIN FOR MYSURU DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Weather forecast for the next five days (From 22-06-2024 to 26-06-2024)

Parameter	22.06.2024	23.06.2024	24.06.2024	25.06.2024	26.06.2024
Rainfall (mm)	5	10	65	23	23
Max. temp (°C)	30	29	28	27	27
Min.Temp (°C)	16.7	16.4	17.9	18	17.7
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	88	90	89	88	89
Relative humidity (%) 1730 hours	62	73	75	81	77
Wind Speed (kmph)	18	15	18	21	23
Wind Direction	248	248	248	248	248

Forecast Summary

As forecast received from IMD, cloudy sky with **moderate to heavy rainfall** may be expected from 22.06.2024 to 26.06.2024 in Mysuru district. The day temperature is expected to be 27-30°C & night temperature is expected 16.4-18°C. The relative humidity in the morning hours is expected to be 88-90% & afternoon relative humidity is expected to be in the range of 62-81 %. Wind speed expected to be 15-23 km/hr.

Recommendations to the farmers:

Crop	Pest/Disease	Damage symptoms	Control measures
Crops that can grow 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	<p>5% damage- Application of 5% neem seed kernel extract (NSKE) or azadirachtin 1500ppm @ 5ml/litre (1 litre/acre)of water.</p> <p>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.</p>
Cowpea	Aphids	<p>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.</p>
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 Chlorpyriphos - 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.
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	<p>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.</p> <p>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.</p>

Block level weather forecast (From 22-06-2024 to 26-06-2024)

H.D. Kote					
Parameter	22.06.2024	23.06.2024	24.06.2024	25.06.2024	26.06.2024
Rainfall (mm)	1.3	20.2	16.7	10.4	12
Max. temp (°C)	27.9	25.1	24	24	22.6
Min.Temp (°C)	20	20.1	20.2	20.1	20.1
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	88	93	91	92	91
Relative humidity (%) 1730 hours	52	70	88	81	84
Wind Speed (kmph)	19	15	18	23	21
Wind Direction	248	248	248	248	248

Hunsuru

Parameter	22.06.2024	23.06.2024	24.06.2024	25.06.2024	26.06.2024
Rainfall (mm)	2.7	26.3	27.1	18.9	12.1
Max. temp (°C)	28.7	26.6	24	25.3	23.9
Min.Temp (°C)	20.2	20.2	20.1	20.2	20.1
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	87	92	91	92	90
Relative humidity (%) 1730 hours	52	67	87	80	81
Wind Speed (kmph)	18	15	17	22	21
Wind Direction	248	248	248	248	248

K.R. Nagara

Parameter	22.06.2024	23.06.2024	24.06.2024	25.06.2024	26.06.2024
Rainfall (mm)	4.3	22.5	25.2	18.2	7.4
Max. temp (°C)	28.9	26.9	24.6	25.6	25
Min.Temp (°C)	20	19.9	19.9	19.8	19.8
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	86	91	90	91	88
Relative humidity (%) 1730 hours	51	64	85	79	77
Wind Speed (kmph)	19	16	18	21	22
Wind Direction	248	249	248	248	248

Mysuru

Parameter	22.06.2024	23.06.2024	24.06.2024	25.06.2024	26.06.2024
Rainfall (mm)	2.3	25.3	21.6	13.1	4.8
Max. temp (°C)	27.7	24.9	23.3	24	23.4
Min.Temp (°C)	19.4	19.2	19.1	19.1	19.2
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	82	91	90	90	88
Relative humidity (%) 1730 hours	48	65	83	78	79
Wind Speed (kmph)	22	18	22	26	27
Wind Direction	248	248	248	248	248

Nanjanagudu

Parameter	22.06.2024	23.06.2024	24.06.2024	25.06.2024	26.06.2024
Rainfall (mm)	1	19	13.9	4.6	2.8
Max. temp (°C)	26.6	23.8	23	23	22
Min.Temp (°C)	18.3	18.2	18.3	18.3	18.3
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	80	89	88	87	86
Relative humidity (%) 1730 hours	45	61	76	74	78
Wind Speed (kmph)	24	20	24	29	29
Wind Direction	248	248	248	248	248

Piriapatna

Parameter	22.06.2024	23.06.2024	24.06.2024	25.06.2024	26.06.2024
Rainfall (mm)	0	25.5	38.3	26.8	15.8
Max. temp (°C)	29	27	23.9	25.7	24.3
Min.Temp (°C)	20.5	20.5	20.3	20.5	20.4
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	88	92	93	92	90
Relative humidity (%) 1730 hours	56	70	89	84	84
Wind Speed (kmph)	19	15	15	18	19
Wind Direction	248	249	248	248	248

T. Narasipura

Parameter	22.06.2024	23.06.2024	24.06.2024	25.06.2024	26.06.2024
Rainfall (mm)	0	14.4	13.5	1.6	1.2
Max. temp (°C)	27.7	25.7	23.6	24.9	23.1
Min.Temp (°C)	19.4	19.1	19.1	19.4	19.2
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	77	87	86	83	83
Relative humidity (%) 1730 hours	41	55	70	65	73
Wind Speed (kmph)	25	20	24	30	30
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 Assocateover phone No. 0821-259126/ 9535345814.

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