

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



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



Date: 11-06-2024

AGRO-ADVISORY BULLETIN FOR MYSURU DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data			
Parameter	08.03.2024	09.03.2024	10.03.2024
Rainfall (mm)	-	4	0
Max. Temp. (°C)	29.1	30.2	30
Min. Temp. (°C)	-	-	0
Sky condition (Octas)	-	4	4
Relative humidity (%) 0830 hours	-	79	76
Relative humidity (%) 1730 hours	82	-	71
Wind Speed (km/h)	-	0	2
Wind Direction	-	0	270

Weather forecast for the next five days (From 12-06-2024 to 16-06-2024)

Parameter	12.06.2024	13.06.2024	14.06.2024	15.06.2024	16.06.2024
Rainfall (mm)	4	14	10	4	3
Max. temp (°C)	29	28	28	29	30
Min.Temp (°C)	17.2	16.4	16.5	16	17.2
Sky condition (Octas)	8	7	8	8	8
Relative humidity (%) 0830 hours	87	89	88	90	87
Relative humidity (%) 1730 hours	76	78	65	65	58
Wind Speed (kmph)	19	21	19	13	15
Wind Direction	248	248	248	249	252

Forecast Summary

As forecast received from IMD, cloudy sky with **light to moderate rainfall** may be expected from 12.06.2024 to 16.06.2024 in Mysuru district. The day temperature is expected to be 28-30°C & night temperature is expected 16-17.2°C. The relative humidity in the morning hours is expected to be 87-90% & afternoon relative humidity is expected to be in the range of 58-78 %. Wind speed expected to be 13-21 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.			
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	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.	

		Spray 1.7 ml. Dimethoate 30 EC. in lit. water, when infestation noticed. 250 lit. spray solution/acre.
Cowpea	Pod borer	Caterpillar bore the pods and feed on seeds. Infested pods with hole. On tender pods spray Chlorpyrifos - 20 EC. @ 2 ml./lit. water. 300 lit. spray solution/acre.
Sugarcane	Seed treatment	Treat the sets with 1 g. Carbendazim/ liter of water for 15 minutes followed by transplanting
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	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 12-06-2024 to 16-06-2024)

H.D. Kote					
Parameter	12.06.2024	13.06.2024	14.06.2024	15.06.2024	16.06.2024
Rainfall (mm)	0.2	4.9	0.2	3.4	2.6
Max. temp (°C)	28.5	22.9	24.9	29.7	28.6
Min.Temp (°C)	20.3	18.5	18.3	19.2	18
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	85	91	93	92	94
Relative humidity (%) 1730 hours	54	78	67	55	56
Wind Speed (kmph)	19	17	18	16	16
Wind Direction	248	248	248	248	248

Hunsuru					
Parameter	12.06.2024	13.06.2024	14.06.2024	15.06.2024	16.06.2024
Rainfall (mm)	0.5	5.2	0.3	4.5	1.8
Max. temp (°C)	27.8	22.8	26.5	30.2	29.9
Min.Temp (°C)	20	18.5	18.4	19	18.4
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	85	90	91	91	93
Relative humidity (%) 1730 hours	58	80	64	54	56
Wind Speed (kmph)	19	18	18	17	15
Wind Direction	249	248	248	249	248

K.R. Nagara

Parameter	12.06.2024	13.06.2024	14.06.2024	15.06.2024	16.06.2024
Rainfall (mm)	0.6	4	2.2	5.2	3.2
Max. temp (°C)	27.1	23.2	26.7	30.1	30.2
Min.Temp (°C)	19.7	18.5	18.2	18.9	18.4
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	83	89	90	88	91
Relative humidity (%) 1730 hours	59	75	63	50	54
Wind Speed (kmph)	20	19	18	17	15
Wind Direction	252	248	248	252	249

Mysuru

Parameter	12.06.2024	13.06.2024	14.06.2024	15.06.2024	16.06.2024
Rainfall (mm)	1.6	6.1	2	7.2	6.3
Max. temp (°C)	28.1	22.9	24.5	29.2	28.8
Min.Temp (°C)	19.5	17.8	17.3	18.6	17.7
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	81	88	90	89	89
Relative humidity (%) 1730 hours	51	70	65	51	54
Wind Speed (kmph)	23	22	19	19	18
Wind Direction	249	248	248	249	248

Nanjanagudu

Parameter	12.06.2024	13.06.2024	14.06.2024	15.06.2024	16.06.2024
Rainfall (mm)	1.1	4.2	0.2	6.1	3.8
Max. temp (°C)	27.4	23.2	24.1	28.1	27.8
Min.Temp (°C)	18.8	17.1	16.8	18	16.8
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	78	84	86	85	85
Relative humidity (%) 1730 hours	48	65	62	51	53
Wind Speed (kmph)	25	25	22	20	20
Wind Direction	248	248	248	248	248

Piriapatna

Parameter	12.06.2024	13.06.2024	14.06.2024	15.06.2024	16.06.2024
Rainfall (mm)	1.1	7.4	0	4.4	0.3
Max. temp (°C)	27.1	23.1	26.8	30.1	30.1
Min.Temp (°C)	19.9	18.8	18.8	19.1	18.8
Sky condition (Octas)	8	8	7	8	8
Relative humidity (%) 0830 hours	87	91	92	92	93
Relative humidity (%) 1730 hours	65	83	67	57	60
Wind Speed (kmph)	18	17	18	16	14
Wind Direction	249	248	248	249	248

T. Narasipura

Parameter	12.06.2024	13.06.2024	14.06.2024	15.06.2024	16.06.2024
Rainfall (mm)	0.9	7.8	1.3	1.8	0.5
Max. temp (°C)	28.3	24.3	23.8	29.4	29.3
Min.Temp (°C)	19.6	18	17.2	18.8	17.9
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	76	83	86	82	81
Relative humidity (%) 1730 hours	46	60	62	48	48
Wind Speed (kmph)	25	24	20	20	20
Wind Direction	252	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 Assoicateover phone No. 0821-259126/ 9535345814.

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