

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



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AMFU, OFRS, NAGANAHALLI,
MYSURU - 570003**



Date: 11-06-2024

AGRO-ADVISORY BULLETIN FOR CHAMARAJANAGARA DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data			
Parameter	08.03.2024	09.03.2024	10.03.2024
Rainfall (mm)	0.5	0	0.5
Max. Temp. (°C)	32	30.8	30.2
Min. Temp. (°C)	21.4	22.2	21.9
Sky condition (Octas)	-	-	-
Relative humidity (%) 0830 hours	90	80	82
Relative humidity (%) 1730 hours	67	62	76
Wind Speed (km/h)	-	-	-
Wind Direction	-	-	-

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	10	8	4	3
Max. Temp. (°C)	30	29	30	31	31
Min.Temp. (°C)	17.2	16.4	16.5	16	17.2
Sky condition (Octas)	8	8	8	8	7
Relative humidity (%) 0830 hours	79	83	81	85	79
Relative humidity (%) 1730 hours	59	63	58	61	52
Wind Speed (kmph)	19	20	18	12	14
Wind Direction	248	248	283	270	283

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 Chamarajanagara district. The day temperature is expected to be 29-31°C & night temperature is expected 16-17.2°C. The relative humidity in the morning hours is expected to be 79-85% & afternoon relative humidity is expected to be in the range of 52-63%. Wind speed expected to be 12-20 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 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	<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	Caterpillar bore the pods and feed on seeds. Infested pods with hole.	

		On tender pods spray Chlorpyriphos - 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. Imidachlopid 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	<p>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.</p> <p>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.</p> <p>In severe cases, spray only neem oil 0.5% or NSKE 5% and avoid spraying any form of insecticides.</p>
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>
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.
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Block level weather forecast (From 12-06-2024 to 16-06-2024)

Chamarajanagara

Parameter	12.06.2024	13.06.2024	14.06.2024	15.06.2024	16.06.2024
Rainfall (mm)	0	2.1	0.2	0.3	0.2
Max. temp (°C)	26.4	23.4	23.4	26.8	27.5
Min.Temp (°C)	18	16.9	16.5	17.9	16
Sky condition (Octas)	8	8	8	7	8
Relative humidity (%) 0830 hours	74	77	80	74	77
Relative humidity (%) 1730 hours	47	56	57	48	48
Wind Speed (kmph)	25	24	20	19	18
Wind Direction	248	248	249	252	257

Gundlupete

Parameter	12.06.2024	13.06.2024	14.06.2024	15.06.2024	16.06.2024
Rainfall (mm)	0	1.5	0.3	0.8	0
Max. temp (°C)	26.2	23.4	23.3	26.6	27.4
Min.Temp (°C)	17.8	17	16.9	17.7	15.9
Sky condition (Octas)	7	8	8	7	8
Relative humidity (%) 0830 hours	77	79	81	76	81
Relative humidity (%) 1730 hours	51	63	60	52	51
Wind Speed (kmph)	24	24	21	18	17
Wind Direction	248	248	248	248	248

Kollegala

Parameter	12.06.2024	13.06.2024	14.06.2024	15.06.2024	16.06.2024
Rainfall (mm)	0.9	4.5	0.3	1.3	0
Max. temp (°C)	28.9	25.5	25	29.3	29.5
Min.Temp (°C)	19.9	18.6	17.9	19.7	18.6
Sky condition (Octas)	7	8	8	7	8
Relative humidity (%) 0830 hours	75	81	83	78	78
Relative humidity (%) 1730 hours	47	57	60	48	48
Wind Speed (kmph)	25	24	19	20	19
Wind Direction	252	248	248	249	252

Yelandur

Parameter	12.06.2024	13.06.2024	14.06.2024	15.06.2024	16.06.2024
Rainfall (mm)	0.2	3.6	0.2	1.8	1
Max. temp (°C)	27.5	24.2	24.1	28	28.4
Min.Temp (°C)	18.8	17.4	16.9	18.5	17.1
Sky condition (Octas)	7	8	8	7	8
Relative humidity (%) 0830 hours	75	80	82	77	78
Relative humidity (%) 1730 hours	47	57	61	49	49
Wind Speed (kmph)	25	24	20	19	18
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**, Research Associate over phone No. 0821-259126/ 9535345814.

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