UNIVERSITY OF AGRICULTURAL SCIENCES, BENGALURU &
INDIAN METEOROLOGICAL DEPARTMENT

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MYSURU - 570003

Date: 11-06-2024

AGRO-ADVISORY BULLETIN FOR MANDYA DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data			
Parameter	**09.03.2024**	**10.03.2024**	**11.03.2024**
Rainfall (mm)	1	1.1	0.2
Max. Temp. (°C)	31.6	30	30.6
Min. Temp. (°C)	20.7	21.3	-
Sky condition (Octas)	8	4	4
Relative humidity (%) 0830 hours	81	81	83
Relative humidity (%) 1730 hours	-	78	-
Wind Speed (km/h)	6	8	10
Wind Direction	230	320	230

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)	3	10	8	4	3
Max. temp (°C)	29	28	29	30	30
Min.Temp (°C)	18.1	17.5	18.1	17.3	18.2
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	86	88	85	89	86
Relative humidity (%) 1730 hours	78	78	62	63	57
Wind Speed (kmph)	21	22	20	14	15
Wind Direction	248	248	252	257	257

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 Mandya district. The day temperature is expected to be 28-30°C & night temperature is expected 17.3-18.2°C. The relative humidity in the morning hours is expected to be 85-89% & afternoon relative humidity is expected to be in the range of 57-78% per cent. Wind speed expected to be 14-22 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**	✓ **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 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**	• **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**	• **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 exceeds10 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 *Capnodium sp.* which affects the photosynthetic efficiency of the plant.** **Sooty mould (Capnodium sp.) 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)					
Krishnarajpet					
Parameter	**12.06.2024**	**13.06.2024**	**14.06.2024**	**15.06.2024**	**16.06.2024**
Rainfall (mm)	1.3	5.8	4.9	5.4	4.4
Max. temp (°C)	26.9	24.8	26.7	30.8	31
Min.Temp (°C)	19.9	19.2	18.4	19.2	18.9
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	85	88	90	85	90
Relative humidity (%) 1730 hours	64	73	68	51	52
Wind Speed (kmph)	21	20	18	18	16
Wind Direction	252	248	249	252	252
Maddur					
Parameter	**12.06.2024**	**13.06.2024**	**14.06.2024**	**15.06.2024**	**16.06.2024**
Rainfall (mm)	0.3	14.2	7.7	6	1.9
Max. temp (°C)	29.7	27.2	25.5	32.3	32.1
Min.Temp (°C)	21.5	20.3	19.1	20.7	20.3
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	78	88	91	88	85
Relative humidity (%) 1730 hours	53	60	75	45	45
Wind Speed (kmph)	22	18	12	17	16
Wind Direction	257	248	248	252	252

Malvalli					
Parameter	**12.06.2024**	**13.06.2024**	**14.06.2024**	**15.06.2024**	**16.06.2024**
Rainfall (mm)	2	11.2	5.3	2.4	0.7
Max. temp (°C)	29.6	26.2	24.8	31.3	31.2
Min.Temp (°C)	21.2	19.7	18.5	20.4	19.9
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	76	85	89	84	83
Relative humidity (%) 1730 hours	48	60	69	45	45
Wind Speed (kmph)	23	21	15	18	18

Wind Direction	252	248	248	252	249

Mandya					
Parameter	**12.06.2024**	**13.06.2024**	**14.06.2024**	**15.06.2024**	**16.06.2024**
Rainfall (mm)	0.4	11.4	6.9	4.8	1.1
Max. temp (°C)	29.6	25.8	25.7	31.9	31.3
Min.Temp (°C)	21.3	19.9	18.9	20.5	20
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	79	87	91	87	86
Relative humidity (%) 1730 hours	52	64	71	45	47
Wind Speed (kmph)	23	20	14	18	17
Wind Direction	257	248	248	252	249

Nagamangala					
Parameter	**12.06.2024**	**13.06.2024**	**14.06.2024**	**15.06.2024**	**16.06.2024**
Rainfall (mm)	0.9	10.8	6.6	4.4	0.4
Max. temp (°C)	27.2	26	26.7	32	32
Min.Temp (°C)	20.2	19.7	18.7	19.7	19.8
Sky condition (Octas)	8	8	7	8	8
Relative humidity (%) 0830 hours	83	87	90	84	85
Relative humidity (%) 1730 hours	67	68	70	50	48
Wind Speed (kmph)	23	20	15	17	17
Wind Direction	249	248	252	257	257

Pandavapura					
Parameter	**12.06.2024**	**13.06.2024**	**14.06.2024**	**15.06.2024**	**16.06.2024**
Rainfall (mm)	0.6	7.4	5.9	5	4.5
Max. temp (°C)	28.4	24.7	25.7	31.2	30.6
Min.Temp (°C)	20.6	19.3	18.5	19.8	19.3
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	82	88	91	88	89
Relative humidity (%) 1730 hours	57	70	70	48	52
Wind Speed (kmph)	22	20	16	18	17
Wind Direction	257	248	248	252	249

Shrirangapattana					
Parameter	**12.06.2024**	**13.06.2024**	**14.06.2024**	**15.06.2024**	**16.06.2024**
Rainfall (mm)	0.5	7.5	4.8	4.5	5.4
Max. temp (°C)	28.6	24.3	25.2	30.8	30.2
Min.Temp (°C)	20.4	18.9	18.1	19.6	18.9
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	81	88	91	88	88
Relative humidity (%) 1730 hours	53	70	68	48	53
Wind Speed (kmph)	23	21	17	18	17
Wind Direction	257	248	248	252	249

- 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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