

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



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MYSURU - 570003**



**Date: 14-06-2024**

**AGRO-ADVISORY BULLETIN FOR MYSURU DISTRICT**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

<b>Past Weather Data</b>			
<b>Parameter</b>	<b>12.03.2024</b>	<b>13.03.2024</b>	<b>14.03.2024</b>
<b>Rainfall (mm)</b>	0	-	0
<b>Max. Temp. (°C)</b>	29.8	29.4	30
<b>Min. Temp. (°C)</b>	-	-	0
<b>Sky condition (Octas)</b>	-	-	3
<b>Relative humidity (%) 0830 hours</b>	74	-	83
<b>Relative humidity (%) 1730 hours</b>	66	76	75
<b>Wind Speed (km/h)</b>	-	-	2
<b>Wind Direction</b>	-	-	270

**Weather forecast for the next five days (From 15-06-2024 to 19-06-2024)**

<b>Parameter</b>	<b>15.06.2024</b>	<b>16.06.2024</b>	<b>17.06.2024</b>	<b>18.06.2024</b>	<b>19.06.2024</b>
<b>Rainfall (mm)</b>	5	2	5	8	9
<b>Max. temp (°C)</b>	30	30	30	30	28
<b>Min.Temp (°C)</b>	16.8	17.1	17.2	18	17
<b>Sky condition (Octas)</b>	8	8	8	8	8
<b>Relative humidity (%) 0830 hours</b>	88	85	87	86	89
<b>Relative humidity (%) 1730 hours</b>	50	44	49	52	73
<b>Wind Speed (kmph)</b>	17	16	17	18	17
<b>Wind Direction</b>	248	248	248	248	248

**Forecast Summary**

As forecast received from IMD, cloudy sky with **light rainfall** may be expected from 15.06.2024 to 19.06.2024 in Mysuru district. The day temperature is expected to be 28-30°C & night temperature is expected 16.8-18°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 44-73 %. Wind speed expected to be 16-18 km/hr.

## Recommendations to the farmers:

Crop	Pest/Disease	Damage symptoms	Control measures
<b>Crops that can grown in the month of June</b>			
<b>Paddy:</b> BR-2655, Jaya, MSN-99			
<b>Aerobic Rice:</b> Daksha (KMP-175), Vanasiri (MAS-26), Sharada (MAS-946), Anaga (ARB-6), Rashi			
<b>Finger millet:</b> INDAF-8, MR-1, MR-6, L-5, KMR-301, GPU-45, KMAR-316			
<b>Kodo millet:</b> RBK-155, GPUK-3			
<b>Maize:</b> Hema, Nityashree, MAH-14-5			
<b>Shaktiman Maize:</b> CSH-5, CSH-9, CSV-4			
<b>Pop corn:</b> Amber			
<b>Little millet:</b> Co-2, OLM-203, GPUL-6			
<b>Barugu:</b> GPUP-8, GPUP-21, GPUP-28			
<b>Navane:</b> PS-4, SIA-326, GPUF-3			
<b>Barnyard millet:</b> DHBM-93-3			
<b>Bajra:</b> WCC-75, PHVB-910, ICTP-8203, SMV-221, MH-946			
<b>Groundnut:</b> GKVK-5, GKVK-27, KCG-6, GpBD-4, ICGV,-91114, JL-24, TMV-2			
<b>Sunflower:</b> KBSH-41, KBSH-42, KBSH-44, KBSH-53, KBSH-78, KBSH-85			
<b>Castor:</b> DSH-9, DSH-177, GSH-4, 48-1			
<b>Niger:</b> KBN-1			
<b>Red gram:</b> BRG-1, BRG-2, BRG-36, BRG-4, BRG-5, ICP-7035, TTB-7, Hyderabad-3C			
<b>Sugarcane:</b> Co-62175, Co-86032, CoVC-18061			
<b>Horticultural crops:</b> Tomato, Potato, Brinjal, Chilli, Cabbage, Radish, Knol Khol, Carrot, Onion, Mango, Banana, Lemon, Guava, Mosambi, Sapota, papaya, Pomegranate, Pineapple, Cashew nut, Garlic, Ginger, Tumeric			
<b>Fodder crops:</b>			
<b>Maize:</b> African tall			
<b>Sorghum:</b> MP Chaari, Pusa Chaari, JS-3, JS-20, COFS-29			
<b>Bajra:</b> Deena Bhandu-49A			
<b>Cowpea:</b> KBC-2, MFC-09-3			
<b>Water Management:</b>			
✓ <b>Irrigation:</b> Suspend irrigation activities to prevent overwatering.			
✓ <b>Drainage:</b> Ensure proper drainage systems are in place to avoid waterlogging in the fields.			
<b>Rainwater Harvesting:</b> Set up rainwater harvesting systems to capture and store rainfall for future use.			
<b>Seed treatment of Green gram, black gram, cowpea, Pigeon pea</b>			
Treat the seeds with bio-fertilizers like Rhizobium and Phosphorus Solubilising Bacteria (PSB) @ 200 g. /acre, each.			
Cowpea	Aphids	<b>Dimethoate - 30 EC. @ 1.7 ml./liter water spray. 200 lit. spray mixture/acre</b>	
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%	

<b>Black gram</b>	<b>Aphid</b>	<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>
<b>Cowpea</b>	<b>Pod borer</b>	<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>
<b>Sugarcane</b>	<b>Seed treatment</b>	<b>Treat the sets with 1 g. Carbendazim/ liter of water for 15 minutes followed by transplanting</b>
<b>Chilli</b>	<b>Use of growth regulator</b>	<ul style="list-style-type: none"> <li>• Generally flower drop will be noticed in chilli crop.</li> <li>• To prevent flower drop spray NAA (Planofix) 50 ppm (50 mg. in 1 litre water) at time of flowering results in higher yield.</li> </ul>
<b>Tomato</b>	<b>Serpentine leaf miner</b>	<p>Larva mines the leaf epidermis, serpentine tunnels on leaves.</p> <p>Spray 0.3 ml. Imidachloprid 17.8 SL. or 2.0 ml. Triazophos 40 EC/lit. water.</p>
<b>Tomato</b>	<b>Fruit borer</b>	<ul style="list-style-type: none"> <li>• 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.</li> <li>• 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</li> </ul>
<b>Coconut</b>	<b>Rhinoceros beetle</b>	<b>Remove the beetle from infected part and fill 2 % Quinolphos or 5 % Melathion in sand @ 1:1 ratio.</b>
<b>Ginger</b>	<b>Rhizome treatment</b>	<b>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.</b>
<b>Ginger</b>	<b>Rhizome rot</b>	<p><b>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.</b></p> <p><b>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.</b></p>
<b>Sugarcane</b>	<b>Topdressing and intercultivation</b>	<b>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</b>

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 15-06-2024 to 19-06-2024)**

**H.D. Kote**

<b>Parameter</b>	<b>15.06.2024</b>	<b>16.06.2024</b>	<b>17.06.2024</b>	<b>18.06.2024</b>	<b>19.06.2024</b>
<b>Rainfall (mm)</b>	0.2	4.9	0.2	3.4	2.6
<b>Max. temp (°C)</b>	28.5	22.9	24.9	29.7	28.6
<b>Min.Temp (°C)</b>	20.3	18.5	18.3	19.2	18
<b>Sky condition (Octas)</b>	8	8	8	8	8
<b>Relative humidity (%) 0830 hours</b>	85	91	93	92	94
<b>Relative humidity (%) 1730 hours</b>	54	78	67	55	56
<b>Wind Speed (kmph)</b>	19	17	18	16	16
<b>Wind Direction</b>	248	248	248	248	248

**Hunsuru**

<b>Parameter</b>	<b>15.06.2024</b>	<b>16.06.2024</b>	<b>17.06.2024</b>	<b>18.06.2024</b>	<b>19.06.2024</b>
<b>Rainfall (mm)</b>	0.5	5.2	0.3	4.5	1.8
<b>Max. temp (°C)</b>	27.8	22.8	26.5	30.2	29.9
<b>Min.Temp (°C)</b>	20	18.5	18.4	19	18.4
<b>Sky condition (Octas)</b>	8	8	8	8	8
<b>Relative humidity (%) 0830 hours</b>	85	90	91	91	93
<b>Relative humidity (%) 1730 hours</b>	58	80	64	54	56
<b>Wind Speed (kmph)</b>	19	18	18	17	15
<b>Wind Direction</b>	249	248	248	249	248

**K.R. Nagara**

<b>Parameter</b>	<b>15.06.2024</b>	<b>16.06.2024</b>	<b>17.06.2024</b>	<b>18.06.2024</b>	<b>19.06.2024</b>
<b>Rainfall (mm)</b>	0.6	4	2.2	5.2	3.2
<b>Max. temp (°C)</b>	27.1	23.2	26.7	30.1	30.2
<b>Min.Temp (°C)</b>	19.7	18.5	18.2	18.9	18.4
<b>Sky condition (Octas)</b>	8	8	8	8	8
<b>Relative humidity (%) 0830 hours</b>	83	89	90	88	91
<b>Relative humidity (%) 1730 hours</b>	59	75	63	50	54

<b>Wind Speed (kmph)</b>	20	19	18	17	15
<b>Wind Direction</b>	252	248	248	252	249

### Mysuru

<b>Parameter</b>	<b>15.06.2024</b>	<b>16.06.2024</b>	<b>17.06.2024</b>	<b>18.06.2024</b>	<b>19.06.2024</b>
<b>Rainfall (mm)</b>	1.6	6.1	2	7.2	6.3
<b>Max. temp (°C)</b>	28.1	22.9	24.5	29.2	28.8
<b>Min.Temp (°C)</b>	19.5	17.8	17.3	18.6	17.7
<b>Sky condition (Octas)</b>	8	8	8	8	8
<b>Relative humidity (%) 0830 hours</b>	81	88	90	89	89
<b>Relative humidity (%) 1730 hours</b>	51	70	65	51	54
<b>Wind Speed (kmph)</b>	23	22	19	19	18
<b>Wind Direction</b>	249	248	248	249	248

### Nanjanagudu

<b>Parameter</b>	<b>15.06.2024</b>	<b>16.06.2024</b>	<b>17.06.2024</b>	<b>18.06.2024</b>	<b>19.06.2024</b>
<b>Rainfall (mm)</b>	1.1	4.2	0.2	6.1	3.8
<b>Max. temp (°C)</b>	27.4	23.2	24.1	28.1	27.8
<b>Min.Temp (°C)</b>	18.8	17.1	16.8	18	16.8
<b>Sky condition (Octas)</b>	8	8	8	8	8
<b>Relative humidity (%) 0830 hours</b>	78	84	86	85	85
<b>Relative humidity (%) 1730 hours</b>	48	65	62	51	53
<b>Wind Speed (kmph)</b>	25	25	22	20	20
<b>Wind Direction</b>	248	248	248	248	248

### Piriapatna

<b>Parameter</b>	<b>15.06.2024</b>	<b>16.06.2024</b>	<b>17.06.2024</b>	<b>18.06.2024</b>	<b>19.06.2024</b>
<b>Rainfall (mm)</b>	1.1	7.4	0	4.4	0.3
<b>Max. temp (°C)</b>	27.1	23.1	26.8	30.1	30.1
<b>Min.Temp (°C)</b>	19.9	18.8	18.8	19.1	18.8
<b>Sky condition (Octas)</b>	8	8	7	8	8
<b>Relative humidity (%) 0830 hours</b>	87	91	92	92	93
<b>Relative humidity (%) 1730 hours</b>	65	83	67	57	60
<b>Wind Speed (kmph)</b>	18	17	18	16	14

<b>Wind Direction</b>	249	248	248	249	248
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### T. Narasipura

<b>Parameter</b>	<b>15.06.2024</b>	<b>16.06.2024</b>	<b>17.06.2024</b>	<b>18.06.2024</b>	<b>19.06.2024</b>
<b>Rainfall (mm)</b>	0.9	7.8	1.3	1.8	0.5
<b>Max. temp (°C)</b>	28.3	24.3	23.8	29.4	29.3
<b>Min.Temp (°C)</b>	19.6	18	17.2	18.8	17.9
<b>Sky condition (Octas)</b>	8	8	8	8	8
<b>Relative humidity (%) 0830 hours</b>	76	83	86	82	81
<b>Relative humidity (%) 1730 hours</b>	46	60	62	48	48
<b>Wind Speed (kmph)</b>	25	24	20	20	20
<b>Wind Direction</b>	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](http://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.

**AMFU of IMD,  
Naganahalli, Mysuru**