

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



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**Date: 07-06-2024**

**AGRO-ADVISORY BULLETIN FOR CHAMARAJANAGARA DISTRICT**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

**Weather forecast for the next five days (From 08-06-2024 to 12-06-2024)**

| <b>Parameter</b>                        | <b>08.06.2024</b> | <b>09.06.2024</b> | <b>10.06.2024</b> | <b>11.06.2024</b> | <b>12.06.2024</b> |
|-----------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| <b>Rainfall (mm)</b>                    | 20                | 20                | 12                | 12                | 6                 |
| <b>Max. Temp. (°C)</b>                  | 32.7              | 33.8              | 33.4              | 33                | 34.7              |
| <b>Min.Temp. (°C)</b>                   | 16.6              | 16.2              | 16.8              | 16.4              | 17.2              |
| <b>Sky condition (Octas)</b>            | 8                 | 7                 | 8                 | 8                 | 7                 |
| <b>Relative humidity (%) 0830 hours</b> | 87                | 83                | 79                | 81                | 78                |
| <b>Relative humidity (%) 1730 hours</b> | 56                | 53                | 52                | 51                | 45                |
| <b>Wind Speed (kmph)</b>                | 10                | 14                | 15                | 15                | 16                |
| <b>Wind Direction</b>                   | 248               | 248               | 249               | 248               | 252               |

**Forecast Summary**

As forecast received from IMD, Cloudy sky with **light to moderate rainfall** may be expected from 08.06.2024 to 12.06.2024 in Chamarajanagara district. The day temperature is expected to be 32.7-34.7°C & night temperature is expected 16.2-17.2°C. The relative humidity in the morning hours is expected to be 78-87% & afternoon relative humidity is expected to be in the range of 45-56%. Wind speed expected to be 10-16 km/ hr.

**Recommendations to the farmers:**

| <b>Crop</b>                                                                                       | <b>Pest/Disease</b> | <b>Damage symptoms</b> | <b>Control measures</b> |
|---------------------------------------------------------------------------------------------------|---------------------|------------------------|-------------------------|
| <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                                                                 |                     |                        |                         |

**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.

|                   |                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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>          | <p>Treat the sets with 1 g. Carbendazim/ liter of water for 15 minutes followed by transplanting</p>                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <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> |

|           |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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.<br>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.<br>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                      | <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><br><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>                                                                                                                                                                                                      |
| 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 08-06-2024 to 12-06-2024)

#### Chamarajanagara

| Parameter                        | 08.06.2024 | 09.06.2024 | 10.06.2024 | 11.06.2024 | 12.06.2024 |
|----------------------------------|------------|------------|------------|------------|------------|
| Rainfall (mm)                    | 20         | 20         | 12         | 12         | 6          |
| Max. temp (°C)                   | 26.2       | 26.5       | 25.4       | 24.7       | 22.7       |
| Min.Temp (°C)                    | 18.1       | 17.4       | 17.7       | 18         | 17.8       |
| Sky condition (Octas)            | 7          | 8          | 7          | 8          | 8          |
| Relative humidity (%) 0830 hours | 81         | 78         | 77         | 73         | 73         |
| Relative humidity (%) 1730 hours | 47         | 48         | 46         | 50         | 55         |
| Wind Speed (kmph)                | 13         | 18         | 22         | 23         | 19         |
| Wind Direction                   | 248        | 248        | 248        | 248        | 248        |

### Gundlupete

| Parameter                        | 08.06.2024 | 09.06.2024 | 10.06.2024 | 11.06.2024 | 12.06.2024 |
|----------------------------------|------------|------------|------------|------------|------------|
| Rainfall (mm)                    | 20         | 20         | 12         | 12         | 6          |
| Max. temp (°C)                   | 26.1       | 25.8       | 24.6       | 23.9       | 22.2       |
| Min.Temp (°C)                    | 17.6       | 17.1       | 17.2       | 17.7       | 17.6       |
| Sky condition (Octas)            | 7          | 8          | 7          | 8          | 8          |
| Relative humidity (%) 0830 hours | 83         | 81         | 82         | 77         | 77         |
| Relative humidity (%) 1730 hours | 54         | 53         | 52         | 57         | 62         |
| Wind Speed (kmph)                | 16         | 20         | 21         | 22         | 20         |
| Wind Direction                   | 248        | 248        | 248        | 248        | 248        |

### Kollegala

| Parameter                        | 08.06.2024 | 09.06.2024 | 10.06.2024 | 11.06.2024 | 12.06.2024 |
|----------------------------------|------------|------------|------------|------------|------------|
| Rainfall (mm)                    | 20         | 20         | 12         | 12         | 6          |
| Max. temp (°C)                   | 28.5       | 28.6       | 27.9       | 27.2       | 24.8       |
| Min.Temp (°C)                    | 19.6       | 19.1       | 19.4       | 19.5       | 19.4       |
| Sky condition (Octas)            | 7          | 8          | 7          | 8          | 8          |
| Relative humidity (%) 0830 hours | 83         | 79         | 77         | 75         | 76         |
| Relative humidity (%) 1730 hours | 49         | 48         | 46         | 50         | 57         |
| Wind Speed (kmph)                | 13         | 21         | 25         | 25         | 22         |
| Wind Direction                   | 248        | 248        | 248        | 248        | 248        |

### Yelandur

| Parameter                        | 08.06.2024 | 09.06.2024 | 10.06.2024 | 11.06.2024 | 12.06.2024 |
|----------------------------------|------------|------------|------------|------------|------------|
| Rainfall (mm)                    | 20         | 20         | 12         | 12         | 6          |
| Max. temp (°C)                   | 27.1       | 27.1       | 26.4       | 25.7       | 23.4       |
| Min.Temp (°C)                    | 18.5       | 18         | 18.3       | 18.6       | 18.4       |
| Sky condition (Octas)            | 7          | 8          | 7          | 8          | 8          |
| Relative humidity (%) 0830 hours | 82         | 79         | 78         | 74         | 75         |
| Relative humidity (%) 1730 hours | 48         | 49         | 46         | 50         | 57         |
| Wind Speed (kmph)                | 14         | 20         | 24         | 24         | 21         |
| 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](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.

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