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**AGROMET-ADVISORY BULLETIN**

Date: **18.02.2022**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

**The forecast is valid for Bengaluru urban district.**

**Significant past weather for the preceding week**

| Parameter                       | 14.02.2022 | 15.02.2022 | 16.02.2022 | 17.02.2022 | 18.02.2022 |
|---------------------------------|------------|------------|------------|------------|------------|
| Rainfall (mm)                   | 0          | 0          | 0          | 0          | 0          |
| Max. temp(°C)                   | 28.2       | 28.4       | 27.8       | 28.2       | 30.2       |
| Min.Temp(°C)                    | 15.2       | 16.8       | 15.8       | 16.4       | 15.0       |
| Sky condition(Octas)            | 0          | 0          | 2          | 0          | 0          |
| Relative humidity(%) 0830 hours | 79         | 80         | 83         | 79         | 74         |
| Relative humidity(%) 1730 hours | 46         | 37         | 46         | 42         | --         |
| Wind Speed (kmph)               | 5.7        | 6.1        | 5.5        | 6.0        | 7.5        |
| Wind Direction                  | 140        | 90         | 90         | 90         | 90         |

**Weather forecast (Valid from 19-02-2022 to 23-02-2022)**

Forecast summary:

| Parameters               | 19.02.2022 | 20.02.2022 | 21.02.2022 | 22.02.2022 | 23.02.2022 |
|--------------------------|------------|------------|------------|------------|------------|
| Rainfall (mm)            | 0          | 0          | 0          | 0          | 0          |
| Max Temp Trend ( °C)     | 30         | 30         | 31         | 32         | 31         |
| Min Temp Trend ( °C)     | 17         | 16         | 17         | 18         | 18         |
| Total cloud cover (octa) | 2          | 4          | 2          | 3          | 2          |
| Relative humidity (%)Max | 79         | 79         | 77         | 77         | 77         |
| Relative humidity (%)Min | 26         | 25         | 25         | 23         | 23         |
| Wind speed(Km/hr)        | 9          | 8          | 7          | 6          | 7          |
| Wind Direction (Degrees) | 112        | 112        | 105        | 120        | 120        |

No rain forecasted by IMD, Bangalore during next 5 days. The Maximum temperature ranges from 30.0-32.0°C and Minimum of 16.0-18.0°C. Relative humidity 77-79 % during morning hrs and 23-26 % during noon is expected. Wind speed is 7-9 km/hr.

**Weather Based Agro Advisories**

**Crop information and Crop Stages of the major Kharif/Rabi crops**

| District             | Kharif crops |         |               |       | Horticulture crops |       |
|----------------------|--------------|---------|---------------|-------|--------------------|-------|
|                      | Groundnut    | Redgram | Finger millet | Maize | Grape              | Mango |
| Bangalore Urban (BU) | --           | H       | --            | --    | -                  | F&FS  |

G: Germination, S: Sowing, EV: Early vegetative, VG: Vegetative growth, TR: Tranplanting, PI: Peg initiation, FLI: Flag leaf initiation, F: Flowering, PF: Pod formation, PM: Pod Maturity, T: Tillering,, Ts: Taselling, E: Ear head emergence, GF: Grain filling, H: Harvesting  
IBI: Inflorescence Bud initiation , PP(V): Pod Picking Vegetable , F& FS: Flowering to fruit setting, FD: Fruit Development, H: Harvesting, M: Maturation, B: Branching

### Agromet Advisory:

| Crop/<br>Component       | Stage/<br>Condition | Pest and Disease | Agro advisories  |
|--------------------------|---------------------|------------------|--|
| <b>General</b>           |                     |                  | <ul style="list-style-type: none"> <li>• Due to continuous dry spell since January month, the termite attack is common in horticulture and Forestry tree and shrubs hence control to apply Aldrin termiticides for control of termites.</li> <li>• Advised for harvested Ragi, Maize, Redgram and other pulse crops winnowing, cleaning, sun drying and storage in dry gunny bag.</li> <li>• The grains of the harvested crops should be properly dried by retaining moisture percentage of Cereals 11-12 %, Pulses-9%, Oilseeds-8% and Vegetable seeds 5-6% for long storage &amp; also minimize the store pest damage.</li> <li>• To protect the pulse grains from storage pests apply oils of Castor/ linseed/honge/neem oil @ 3-5 ml per kg of grains.</li> </ul>  |
| <b>Horticulture crop</b> |                     |                  |  |
| <b>Mango</b>             | Flowering           |                  | <ol style="list-style-type: none"> <li>1. Provide irrigation, as the fruits are in marble stage, this will help for the better development of fruits.</li> <li>2. If sufficient water is available, irrigation can be given at 15-20 days interval starting from fruit setting till maturity.</li> <li>3. Fruit drop can be controlled by spraying Naphthalene acetic acid (NAA) @ 20 ppm twice at an interval of 15 days during the early stage (peanut stage/marble stage) of fruit development stage.</li> <li>4. Leaf hopper and Powdery mildew disease incidence is more before flowering and immediately after fruit formation to manage spraying of Carbaryl, 50WP @4g/litre of water or Imidachlorprid @ 0.3ml/ litre of water for management of leaf hopper.</li> <li>5. Spray Lambda Cyhalothrin 5EC @ 0.5 ml/ litre of water or sulphur dust (SULTAF) 80 W @3g/litre of water against the Powdery mildew diseases.</li> <li>6. If the incidence of Leaf hopper is severe spray Azadirachtin (10,000 ppm) @ 7.0 ml/ litre of water.</li> </ol> |
| <b>Animal Husbandry</b>  |                     |                  |  |
|                          |                     |                  | <ol style="list-style-type: none"> <li>1. Due care should be taken to store/procure fodder for periods of shortage that may occur during the winter months in certain areas. Perennial grasses must be cut at this time.</li> </ol>  |
| <b>Sericulture</b>       |                     |                  |  |
|                          |                     |                  | <ol style="list-style-type: none"> <li>1. Maintain the optimum room temperature in Sericulture unit.</li> </ol>  |
| <b>Poultry</b>           |                     |                  |  |
|                          |                     |                  | <ol style="list-style-type: none"> <li>1. Provide artificial brooding to chicks to maintain adequate temperature.</li> <li>2. Care should be taken to prevent the chicks from being exposed to wind chill.</li> <li>3. Sides should be covered with curtains during cool hours of the day.</li> <li>4. Wet litter material should be removed regularly</li> <li>5. Ensure proper cross ventilation to avoid ammonia accumulation</li> </ol>  |

**Important Note:** Farmers are informed to use the APPs & Videos related to Weather information: MEGHDOOT, MAUSAM AND DAMINI APPS. This information is available in the website: [mausam.imd.gov.in](http://mausam.imd.gov.in)