



UNIVERSITY OF AGRICULTURAL SCIENCE, BENGALURU
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AMFU OF IMD, BENGALURU



AGROMET-ADVISORY BULLETIN

Date: **10.03.2023**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

The forecast is valid for Chikkaballapur district

Weather forecast (Valid from 11-03-2023 to 15-03-2023)

Forecast summary:

| Parameters | 11.03.2023 | 12.03.2023 | 13.03.2023 | 14.03.2023 | 15.03.2023 |
|---------------------------|------------|------------|------------|------------|------------|
| Rainfall (mm) | 0 | 0 | 0 | 0 | 0 |
| Max Temp Trend (°C) | 31 | 32 | 32 | 32 | 33 |
| Min Temp Trend (°C) | 13 | 13 | 14 | 14 | 15 |
| Total cloud cover (octa) | 0 | 0 | 0 | 0 | 1 |
| Relative humidity (%) Max | 52 | 53 | 53 | 55 | 55 |
| Relative humidity (%) Min | 48 | 48 | 48 | 51 | 51 |
| Wind speed (Km/hr) | 2 | 3 | 4 | 4 | 5 |
| Wind Direction (Degrees) | 75 | 75 | 90 | 122 | 126 |

No rain forecasted by IMD, Bangalore during next 5 days. The Maximum temperature ranges from 31.0-33.0°C and Minimum of 13.0-15.0°C. Relative humidity 52-55 % during morning hrs and 48-51 % during noon is expected. Wind speed 2-5 km/hr.

Weather Based Agro Advisories

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

| District | Kharif crops | | | | Horticulture crops | |
|----------------|--------------|---------|---------------|-------|--------------------|-------|
| Chikkaballapur | Groundnut | Redgram | Finger millet | Maize | Grape | Mango |
| a | -- | -- | - | - | - | 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/ Component | Stage/ Condition | Pest and Disease | Agro advisories |
|-----------------|------------------|------------------|--|
| General | | | <ul style="list-style-type: none"> Remove the half cutted stubbles of pigeon pea from their fields. This will avoid multiplication and spreading of sterility mosaic disease 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. If required provide one protective irrigation to standing rabi crops. Advised to take up winnowing, cleaning, drying and storing in dry gunny bags of harvested Kharif crops. 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 & also minimize the store pest damage. To protect the pulse grains from storage pests apply oils of Castor/ linseed/honge/neem oil @ 3-5 ml per kg of grains. |
| Pigeon pea | Harvesting | 1. | Harvested crops are cleaned, dried and stored in dry gunny bags. |

Horticulture crop

| | | |
|--------------|---|---|
| Mango | Flowering, Fruit development stage | <ol style="list-style-type: none"> 1. Provide irrigation, as the fruits are in marble stage, this will help for the better development of fruits. 2. If sufficient water is available, irrigation can be given at 15-20 days interval starting from fruit setting till maturity. 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. 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. 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. <ol style="list-style-type: none"> 1. If the incidence of Leaf hopper is severe spray Azadirachtin (10,000 ppm) @ 7.0 ml/ litre of water. |
|--------------|---|---|

Animal Husbandry

Livestock management during summer:

- ❖ Apply 4-6 inch thick thatch as a roofing material. Water can be used for spraying the floor and roof of shelter
 - ❖ Periodically water spray during peak hot hours lowers the temperature and consequently reduces the heat load on animals
 - ❖ Proper ventilation should be maintained for free circulation of air in the sheds
 - ❖ Clean drinking water be provided to animals and water troughs should be regularly cleaned
 - ❖ Drinking water of 60 lts. of water/day/animal is required.
1. Animals may be allowed for grazing early in morning or later in evening.

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Bengaluru**

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