



UNIVERSITY OF AGRICULTURAL SCIENCE, BENGALURU
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AMFU OF IMD, BENGALURU



AGROMET-ADVISORY BULLETIN

Date: **24.05.2022**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

The forecast is valid for Chikkaballapur district

Weather forecast (Valid from 25-05-2022 to 29-05-2022)

Forecast summary:

| Parameters | 25.5.2022 | 26.5.2022 | 27.5.2022 | 28.5.2022 | 29.5.2022 |
|--------------------------|-----------|-----------|-----------|-----------|-----------|
| Rainfall (mm) | 0 | 1 | 0 | 0 | 0 |
| Max Temp Trend (°C) | 31 | 31 | 29 | 31 | 31 |
| Min Temp Trend (°C) | 21 | 21 | 20 | 20 | 21 |
| Total cloud cover (octa) | 3 | 4 | 4 | 3 | 3 |
| Relative humidity (%)Max | 77 | 79 | 79 | 78 | 78 |
| Relative humidity (%)Min | 72 | 74 | 74 | 73 | 72 |
| Wind speed(Km/hr) | 3 | 4 | 5 | 4 | 4 |
| Wind Direction (Degrees) | 283 | 259 | 257 | 283 | 270 |

Light rain forecasted by IMD, Bangalore during next 5 days. The Maximum temperature ranges from 29.0-31°C and Minimum of 20.0-21.0°C. Relative humidity 77-79 % during morning hrs and 72-74 % during noon is expected. Wind speed 3-5 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 | -- | -- | -- | -- | - | FD,M |

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"> • Conditions are favorable for further advance of Southwest Monsoon over some parts of Southwest Arabian Sea, some more parts of Southeast Arabian Sea, Maldives & Comorin area, South & East central Bay of Bengal and some parts of Northeast Bay of Bengal during next 48 hours. • Rohini rainstar starts from May 25th and remains upto June 7th. The normal rainfall of Rohini rainstar is 61.9 mm. • The farmers are procure good quality of seeds and fertilizers. Take up the germination test for Kharif sowing. • Take up land preparation and strengthen the bund with fodder grass which will facilitate conservation of rainwater due to pre-monsoon showers. Ploughing across the slope will make insitu soil moisture conservation. • Taken up summer plough to expose the soil to kill the different stages of insect and weeds. • Time for application tank silt to increase soil fertility. • Sufficient rainfall received in May month sowing of long duration |

| | | |
|--------------------------|--------------------------------------|---|
| | | crops like Redgram BRG-1, 2, 4 &5, TTB-7 and Castor DCH-9, 32 &177 is recommended. |
| Horticulture crop | | |
| Mango | Fruit Development and Maturity stage | <ol style="list-style-type: none"> 1. In mango, fruit fly damage is also noticed. suitable control measure by spraying Carbaryl 4 g/litre of water 2. Harvesting of mango without dropping ground level using mango net. 3. Mango growers should harvest matured fruit and try to leave one or two inches of stem in the mango bunch, which helps to avoid sap burn disease. Afterward, the mango fruit should be wrapped by using papers and then keep it in plastic crates. After within 24 hours of harvesting, the crates are placed on top of each other with 5 to 6 create half-feet apart and then take 300 ml. of water in small plastic bottles, add 10 ml of ethylene to water, then after adding 10 g sodium hydroxide (caustic soda). Then seal the tarpaulin cover tightly without aeration for 48 to 60 hours, then tarpaulin should be removed and left out for aeration. Ethylene should be kept in 8 to 10 glasses for to ripen 1 ton of fruit. Natural ripening will help to get good quality fruit and better market price. |
| Sericulture | | |
| | | 1. Maintain the optimum room temperature in Sericulture unit. |

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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