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# AGROMET-ADVISORY BULLETIN

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Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

**The forecast is valid for Chikkaballapur district**

**Weather forecast (Valid from 10th May to 14th May 2017)**

| Parameters | 10.05.17 | 11.05.17 | 12.05.17 | 13.05.17 | 14.05.17 |
|---|---|---|---|---|---|
| Rainfall (mm) | 5 | 5 | 10 | 5 | 5 |
| Max Temp Trend ( $^{o}$C) | 34 | 34 | 34 | 34 | 35 |
| Min Temp Trend ( $^{o}$C) | 22 | 22 | 23 | 23 | 23 |
| Total cloud cover (octa) | 4 | 6 | 6 | 3 | 3 |
| Relative humidity (%)Max | 73 | 72 | 69 | 72 | 78 |
| Relative humidity (%)Min | 28 | 30 | 32 | 29 | 25 |
| Wind speed(Km/hr) | 10 | 8 | 6 | 6 | 14 |
| Wind Direction (Degrees) | 260 | 230 | 200 | 220 | 260 |

**Forecast summary:**

**Light to medium rain is forecasted during next 5 days. The Maximum temperature range is 34.0-35.0$^{o}$C and Minimum of 22.0-23.0$^{o}$C. Relative humidity 69-78 % during morning hrs and 25-32 % during noon is expected. Wind speed is expected 6-14 km/hr.**

## Weather Based Agro Advisories

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

| District | *Kharif crops* | | | *Horticulture crops* | |
|---|---|---|---|---|---|
| **Bangalore (U)** | **Ragi** | **Redgram** | **Maize** | **Grape** | **Mango** |
| | - | - | - | - | **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,

## Agromet Advisory:

| Crop | Stage/ Condition | Pest and Disease | Agro advisories |
|---|---|---|---|
| **Agriculture crop** | | | |
| General advisory | ➢ Agro forestry on the bund involving *Melia dubia* (Hebbevu), Silver oak and Causurina is recommended for sustainable income under abnormal extreme rainfall events .<br>➢ 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<br>➢ Ideal time for sowing for pre-monsoon crop sowing wherever sufficient soil moisture available in field/land.<br>➢ Taken up summer plough to expose the soil to kill the different stages of insect and weeds.<br>➢ **Under double cropping the short duration crops of first crop are as follows:**<br>Seasamum : Navile-1, T-7<br>Cowpea: TVX-944, KBC-1, Green gram: PS-16, PDM-84,178, Field bean: HA 1, 2, 3 &4.<br>Groundnut : TMV-2, JL-24, KCG-6, Black gram: Karagao-3, T-9, Rashmi(LBG-625)<br>➢ For soil moisture conservation in mango orchard, weeds and crop residues mulching is recommended.<br>➢ Crop residues other than cattle feed may be used for compost making instead of burning. | | |
| **Horticulture crop** | | | |
| Mango | ➢ In mango, due to heavy downpour of rain in thunderstorm fruit drop have been observed in mango consequently fruit fly damage is also noticed. suitable control measure by spraying Carbaryl 4 g/litre of water | | |
| Animals . | Livestock management during summer:<br>❖ Silage, hay and crop residues may be used for cattle feed when shortage of green fodder.<br>❖ Proper ventilation should be maintained for free circulation of air in the sheds<br>❖ Animals may be allow for grazing early in morning or later in evening. | | |

**Station Nodal Officer**
**Bengaluru**