UNIVERSITY OF AGRICULTURAL SCIENCE, BENGALURU
GRAMIN KRISHI MAUSAM SEWA(GKMS)

# AGROMET-ADVISORY BULLETIN

Date: **21.04.2017**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

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

`

**Weather forecast (Valid from 22nd to 26th April 2017)**

| Parameters | 22.04.17 | 23.04.17 | 24.04.17 | 25.04.17 | 26.04.17 |
|---|---|---|---|---|---|
| Rainfall (mm) | 4 | 3 | 3 | 3 | 3 |
| Max Temp Trend ( °C) | 34 | 34 | 34 | 35 | 35 |
| Min Temp Trend ( °C) | 22 | 22 | 23 | 23 | 23 |
| Total cloud cover (octa) | 5 | 2 | 1 | 1 | 1 |
| Relative humidity (%)Max | 86 | 77 | 78 | 76 | 76 |
| Relative humidity (%)Min | 32 | 21 | 19 | 21 | 17 |
| Wind speed(Km/hr) | 10 | 10 | 10 | 10 | 10 |
| Wind Direction (Degrees) | 270 | 270 | 280 | 280 | 270 |

**Forecast summary:**

**Rain is forecasted during next 5 days. The Maximum temperature ranges from 34.0-35.0°C and Minimum of 22.0°C -23.0°C. Relative humidity 76-86 % during morning hrs and 17-32 % during noon is expected. Wind speed is expected 10 km/hr.**

## Weather Based Agro Advisories

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

| District | *Kharif crops* | | | *Horticulture crops* | |
|---|---|---|---|---|---|
| Groundnut | Groundnut | Redgram | Maize | Grape | Mango |
| | - | - | - | - | F& FS,FD |

**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 | ➢ Normal monsoon rainfall predicted this year. Farmers need not have to be panic.<br>➢ Time for application tank silt to increase soil fertility.<br>➢ Taken up summer plough to expose the soil to kill the different stages of insect and weeds.<br>➢ Average Rainfall in April and May months are 36 mm and 93 mm respectively. Hence, cowpea, sesame, black gram and green gram are recommended for the sowing the above crops during May month. Agricultural implements and seeds may be kept ready for sowing of crops.<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<br>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** | | | |
| | ❖ Drip irrigation beneath plastic mulch is recommended for cultivation of vegetables and fruit crops. | | |
| Mango | Due to continuous dry spell since August, mango fruit drop is observed due to lack of soil moisture in soil profile. Wherever possible drip irrigation is recommended to improve fruit set, size and quality.<br>➢ Mango fruit drop can be controlled by spraying spraying of NAA (Naphthalene acetic acid) at 20ppm twice at an interval of 15 days. | | |
| Animals | Livestock management during summer:<br>❖ Silage, hay and crop residues may be used for cattle feed when shortage of green fodder. | | |

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

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