UNIVERSITY OF AGRICULTURAL SCIENCE, BENGALURU
INTEGRATED AGROMET ADVISORY SERVICES

AGROMET-ADVISORY BULLETIN
Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

The forecast is valid for Bengaluru Urban district

Summary of last Three Days Weather
During the above period, 2.6 mm rainfall was recorded at Bengaluru urban Centre. Maximum temperature was ranged from 25.2-29.6 °C and minimum temperature was 18.2-19.8°C. Average relative humidity was ranged from 90-96% during morning hours and 55-64% during after-noon hours. The average wind speed was range 3.1-6.0 km per hour.

Weather forecast (Valid from 31st July 04th August 2013)

<table>
<thead>
<tr>
<th>Parameters</th>
<th>31.07.13</th>
<th>01.08.13</th>
<th>02.08.13</th>
<th>03.08.13</th>
<th>04.08.13</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rainfall (mm)</td>
<td>3</td>
<td>2</td>
<td>6</td>
<td>6</td>
<td>5</td>
</tr>
<tr>
<td>Max Temp Trend (deg °C)</td>
<td>26</td>
<td>27</td>
<td>26</td>
<td>27</td>
<td>26</td>
</tr>
<tr>
<td>Min Temp Trend (deg °C)</td>
<td>19</td>
<td>20</td>
<td>19</td>
<td>19</td>
<td>19</td>
</tr>
<tr>
<td>Total cloud cover (octa)</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>Relative humidity (%)Max</td>
<td>86</td>
<td>86</td>
<td>85</td>
<td>87</td>
<td>86</td>
</tr>
<tr>
<td>Relative humidity (%)Min</td>
<td>75</td>
<td>75</td>
<td>74</td>
<td>75</td>
<td>77</td>
</tr>
<tr>
<td>Wind speed(Km/hr)</td>
<td>6</td>
<td>7</td>
<td>8</td>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td>Wind Direction (Degrees)</td>
<td>250</td>
<td>260</td>
<td>260</td>
<td>260</td>
<td>270</td>
</tr>
</tbody>
</table>

Forecast summary: Next few days light rains are expected and maximum temperature ranges 26.0-27.0°C and Minimum will be 19.0-20.0°C, with cloud cover 6-8 octa. Relative Humidity is around 85-87% during morning hrs and 74-77 % during noon is forecasted. Wind speed is expecting to be 6-8 km/hr.

Agroclimatic Location of Zone -5 (Eastern dry zone) and base map.
## taulks under Eastern dry zone

<table>
<thead>
<tr>
<th>District</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Bengaluru urban dist.</td>
<td></td>
</tr>
<tr>
<td>Anekal</td>
<td></td>
</tr>
<tr>
<td>Bengaluru South</td>
<td></td>
</tr>
<tr>
<td>Bengaluru North</td>
<td></td>
</tr>
<tr>
<td>Bengaluru East</td>
<td></td>
</tr>
</tbody>
</table>

### Weather Based Agro Advisories

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

<table>
<thead>
<tr>
<th>District (U)</th>
<th>Kharif crops</th>
<th>Horticulture crops</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Redgram</td>
<td>VG</td>
<td>S,T</td>
<td>-</td>
</tr>
<tr>
<td>Fodder Maize</td>
<td>VG</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Ragi</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Groundnut</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Grape</td>
<td>F</td>
<td>S,T</td>
<td>-</td>
</tr>
<tr>
<td>Mango</td>
<td>S</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

**District**

- Bangalore (U)

**Kharif crops**

- Redgram
  - VG
- Fodder Maize
  - VG
- Ragi
  - S,T
- Groundnut
  - -
- Grape
  - F
- Mango
  - S

**Horticulture crops**

- VG
- S,T

**District**

- Bangalore (U)

**Kharif crops**

- Redgram
  - VG
- Fodder Maize
  - VG
- Ragi
  - S,T
- Groundnut
  - -
- Grape
  - F
- Mango
  - S

**Horticulture crops**

- VG
- S,T

**Symbols**


### Agromet Advisory:

#### Agriculture crop

**Sowing/cultural operation**

- Ragi (finger millet) varieties Indaf-5, 9, G.P.U-26,45,48, ML-365, PR-202 @5kg/ha seeds with spacing 25 cm x 10 cm.
- Attend thinning, gap filling and weeding operations.
- Groundnut varieties JL-24, TMV-2, G.P.B.D-4 and K-134 @110 kg pods/ha. Treat the seeds with *rhizobium* culture @375 gm/ha before sowing. Sow the seeds with spacing of 30 cm x 10 cm.
- Go for inter cultivation operation.
- Redgram: Inter cultivation and weeding.

#### Horticulture crops

- The farmers are advised to make soak pit trenches for perennial horticulture crops near the base of the crops to conserve moisture.

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**Station Nodal Officer**

Dr. M. B. Rajegowda

Bengaluru