The forecast is valid for Bengaluru Rural district.

Weather forecast (Valid from 08th to 12th August 2015)

Forecast summary:
Light rain forecasted during next 5 days. The Maximum temperature ranges from 29.0-31.0°C and Minimum of 20.0-21.0°C. Relative humidity 82-87 % during morning hrs and 58-64 % during noon is expected. Wind speed is expected to 5-10 km/hr.

Weather Based Agro Advisories

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

<table>
<thead>
<tr>
<th>Parameters</th>
<th>08.08.15</th>
<th>09.08.15</th>
<th>10.08.15</th>
<th>11.08.15</th>
<th>12.08.15</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rainfall (mm)</td>
<td>2</td>
<td>2</td>
<td>3</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Max Temp Trend (°C)</td>
<td>30</td>
<td>30</td>
<td>29</td>
<td>30</td>
<td>31</td>
</tr>
<tr>
<td>Min Temp Trend (°C)</td>
<td>20</td>
<td>20</td>
<td>20</td>
<td>20</td>
<td>21</td>
</tr>
<tr>
<td>Total cloud cover (octa)</td>
<td>6</td>
<td>5</td>
<td>4</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>Relative humidity (%)Max</td>
<td>87</td>
<td>83</td>
<td>82</td>
<td>85</td>
<td>83</td>
</tr>
<tr>
<td>Relative humidity (%)Min</td>
<td>60</td>
<td>58</td>
<td>64</td>
<td>64</td>
<td>59</td>
</tr>
<tr>
<td>Wind speed(Km/hr)</td>
<td>7</td>
<td>7</td>
<td>5</td>
<td>8</td>
<td>10</td>
</tr>
<tr>
<td>Wind Direction (Degrees)</td>
<td>270</td>
<td>230</td>
<td>230</td>
<td>240</td>
<td>250</td>
</tr>
</tbody>
</table>

Crop stages:
- **G**: Germination
- **S**: Sowing
- **EV**: Early vegetative
- **VG**: Vegetative growth
- **TR**: Transplanting
- **PI**: Peg initiation
- **FLI**: Flag leaf initiation
- **F**: Flowering
- **PF**: Pod formation
- **PM**: Pod Maturity
- **T**: Tillering
- **Ts**: Tasseling
- **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

Agromet Advisory:

1. Crop sowing is delayed due to inadequate rainfall.
2. Since, there was excess rainfall in the month of May and June, the surplus rainwater might have been stored in farm ponds, nala bunds, check dams and other rain water storage structures. This stored rainwater may be best used for protective irrigation during the prevailing dry spell.
3. Undertake intercultural operation to control the weeds and to increase the moisture availability to crops.
4. spray 2% potassium chloride for drought affected crops sown under double cropping system or early sown long duration crop.

Crops suggested for July end and August months (Eastern Dry Zone)

- **Ragi**: Indaf-8, Indaf-5 (before July 3rd week), GPU-28, HR-911 (till August 2nd week).
- **Sunflower**: Morden, KBSH-1, KBSH-41, KBSH-42, KBSH-44 and KBSH-53.
- **Maize**: Deccan-103, Vijaya composite and Ganga-11
### Cowpea: C-152, KM-5 and PKB-4 (vegetable purpose)

<table>
<thead>
<tr>
<th>Redgram, Groundnut</th>
</tr>
</thead>
<tbody>
<tr>
<td>➢ Wherever, the long duration crops like Redgram, and Castor has been sown, undertake earthing up operation in addition to the above agronomic measures. Earthing up makes a better availability of soil moisture to the crop rows through conversion of the land into ridges and furrow system.</td>
</tr>
<tr>
<td>➢ Undertake residue mulch by using the residues of weeds, gliricidia and other green manure crops grown on the bunds, borders and along the drainage lines.</td>
</tr>
<tr>
<td>➢ Wherever over population of crop plants is existing, undertake thinning operation for better availability of scarce soil moisture to the reduced population of crop plants.</td>
</tr>
</tbody>
</table>

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**Station Nodal Officer**

**Bengaluru**