AGROMET-ADVISORY BULLETIN

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

The forecast is valid for Chikkaballapur district

Weather forecast (Valid from 23rd July to 27th July 2016)

Forecast summary:

<table>
<thead>
<tr>
<th>Parameters</th>
<th>23.07.16</th>
<th>24.07.16</th>
<th>25.07.16</th>
<th>26.07.16</th>
<th>27.07.16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rainfall (mm)</td>
<td>10</td>
<td>13</td>
<td>10</td>
<td>10</td>
<td>12</td>
</tr>
<tr>
<td>Max Temp Trend (°C)</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>30</td>
</tr>
<tr>
<td>Min Temp Trend (°C)</td>
<td>19</td>
<td>19</td>
<td>20</td>
<td>20</td>
<td>20</td>
</tr>
<tr>
<td>Total cloud cover (octa)</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>7</td>
</tr>
<tr>
<td>Relative humidity (%)/Max</td>
<td>85</td>
<td>89</td>
<td>91</td>
<td>91</td>
<td>90</td>
</tr>
<tr>
<td>Relative humidity (%)/Min</td>
<td>63</td>
<td>59</td>
<td>61</td>
<td>67</td>
<td>58</td>
</tr>
<tr>
<td>Wind speed(Km/hr)</td>
<td>21</td>
<td>12</td>
<td>9</td>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td>Wind Direction (Degrees)</td>
<td>270</td>
<td>270</td>
<td>260</td>
<td>250</td>
<td>230</td>
</tr>
</tbody>
</table>

Light rainfall forecasted during next 5 days. The Maximum temperature ranges from 28.0-30.0°C and Minimum of 19.0- 20.0°C. Relative humidity 85-91 % during morning hrs and 58-67 % during noon is expected. Wind speed is expected to 5-21 km/hr.

Weather Based Agro Advisories

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

**District**

- **Bangalore (U)**
  - **Kharif crops**
    - Groundnut...
    - Redgram...
    - Maize...
  - **Horticulture crops**
    - Grape...
    - Mango...

- **Parameters**
  - **23.07.16**
  - **24.07.16**
  - **25.07.16**
  - **26.07.16**
  - **27.07.16**

**Agromet Advisory:**

- **Kharif crops**
  - Apply the recommended top dress fertilizer to Redgram and Maize crops.
  - Wind speed is high; provide protection for tomato and other vegetables through staking are important.
  - Undertake interculture operation to control the weeds and to increase the moisture availability to crops. Interculture operation creates a soil mulch thereby conserving the soil moisture to the advantage of crop plants.
  - Wherever, the long & medium duration crops like Redgram Castor and Maize 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.
  - 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.
  - Recommended for medium to short duration crops like ragi (Indaf-5, 9, MR-6, GPU-28, 48, ML-365), maize (Ganga, Deccan, Vijaya composite and Composite NAC), groundnut (JL-24, KCG-2, GBBD-4), Seed treatment with Rhizobium 2.5 kg/ha and PSB 2.5 kg/ha • Fertilizer dosage per hectare 25kg N (55 kg urea), 50 kg P (313 kg...
SSP), 25 kg K (42 kg Potassium Sulphate), 25 kg Zinc Sulphate and 25 kg Ferrous sulphate. · Spacing followed is 30cm (Row) x 10 cm (Plant). cowpea (C-152, KM-5 and PKB-4 for vegetable purpose) and greengram (PS-16, PDM-84 & 178.

**Animal Husbandry**

- Proper ventilation should be maintained for free circulation of air in the sheds.
- Vaccinate the cow against the Foot and Mouth Disease (FMD) & Black Quarter.

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**Karnataka**

**Soil Moisture Index**

- < 20 (Dry)
- 20 - 40 (Moderately Dry)
- 40 - 60 (Mildly dry)
- 60 - 80 (Moderately Wet)
- > 80 (Severely Wet)

Severely wet condition of soil moisture is observed in Costal and South Interior Karnataka, rest of the state shows moderate wet condition.