AGROMET-ADVISORY BULLETIN

Date: 12.07.2016

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

The forecast is valid for Chikkaballapur district

Weather forecast (Valid from 13th July to 17th July 2016)

Forecast summary:

<table>
<thead>
<tr>
<th>Parameters</th>
<th>13.07.16</th>
<th>14.07.16</th>
<th>15.07.16</th>
<th>16.07.16</th>
<th>17.07.16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rainfall (mm)</td>
<td>0</td>
<td>2</td>
<td>8</td>
<td>23</td>
<td>34</td>
</tr>
<tr>
<td>Max Temp Trend (°C)</td>
<td>30</td>
<td>30</td>
<td>29</td>
<td>27</td>
<td>26</td>
</tr>
<tr>
<td>Min Temp Trend (°C)</td>
<td>21</td>
<td>20</td>
<td>20</td>
<td>20</td>
<td>20</td>
</tr>
<tr>
<td>Total cloud cover (octa)</td>
<td>7</td>
<td>7</td>
<td>8</td>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td>Relative humidity (%)/Max</td>
<td>67</td>
<td>68</td>
<td>76</td>
<td>88</td>
<td>91</td>
</tr>
<tr>
<td>Relative humidity (%)/Min</td>
<td>55</td>
<td>57</td>
<td>64</td>
<td>72</td>
<td>76</td>
</tr>
<tr>
<td>Wind speed(Km/hr)</td>
<td>12</td>
<td>12</td>
<td>11</td>
<td>12</td>
<td>14</td>
</tr>
<tr>
<td>Wind Direction (Degrees)</td>
<td>260</td>
<td>270</td>
<td>270</td>
<td>320</td>
<td>230</td>
</tr>
</tbody>
</table>

Light to medium rainfall forecasted during next 5 days. The Maximum temperature ranges from 26.0-30.0°C and Minimum of 20.0-21.0°C. Relative humidity 67-91% during morning hrs and 55-76% during noon is expected. Wind speed is expected to 11-14 km/hr.

Weather Based Agro Advisories

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

<table>
<thead>
<tr>
<th>District</th>
<th>Groundnut</th>
<th>Redgram</th>
<th>Maize</th>
<th>Grape</th>
<th>Mango</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bangalore (U)</td>
<td>S,G</td>
<td>S,G, EV</td>
<td></td>
<td>S,G, EV</td>
<td>H</td>
</tr>
</tbody>
</table>

Agromet Advisory:

Kharif crops & General advisory

- There is an Extended Range Weather forecast (ERWF) of dry spell for next 15 days.
  - Postpone sowing operation until soaking/sufficient rainfall received.
  - 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 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.
  - 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), cowpea (C-152, KM-5 and PKB-4 for vegetable purpose) and greengram (PS-16, PDM-84 & 178).

- Make use of farm pond water and this may be used for protective irrigation during the prevailing dry spell.

### Animal Husbandry

- Proper ventilation should be maintained for free circulation of air in the sheds.
- Keep the cattle shed clean.

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**Station Nodal Officer**

UAS, GKV

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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 entire state of Karnataka, except few in north and South-east shows moderate wet condition.