AGROMET ADVISORY BULLETIN

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

The forecast is valid for Kolar district

Weather forecast (Valid from 16th July to 20th July 2016)

Forecast summary:
Light rainfall forecasted during next 5 days. The Maximum temperature ranges from 29.0-30.0°C and Minimum of 19.0-20.0°C. Relative humidity 66-80 % during morning hrs 55-70 % during noon is expected. Wind speed is expected to 6-12 km/hr.

Weather Based Agro Advisories
Crop information and Crop Stages of the major Kharif/Rabi crops

<table>
<thead>
<tr>
<th>Parameters</th>
<th>16.07.16</th>
<th>17.07.16</th>
<th>18.07.16</th>
<th>19.07.16</th>
<th>20.07.16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rainfall (mm)</td>
<td>7</td>
<td>10</td>
<td>13</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Max Temp Trend (°C)</td>
<td>30</td>
<td>30</td>
<td>29</td>
<td>29</td>
<td>30</td>
</tr>
<tr>
<td>Min Temp Trend (°C)</td>
<td>20</td>
<td>20</td>
<td>20</td>
<td>19</td>
<td>20</td>
</tr>
<tr>
<td>Total cloud cover (octa)</td>
<td>6</td>
<td>6</td>
<td>7</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>Relative humidity (%)/Max</td>
<td>70</td>
<td>75</td>
<td>80</td>
<td>69</td>
<td>66</td>
</tr>
<tr>
<td>Relative humidity (%)/Min</td>
<td>56</td>
<td>60</td>
<td>70</td>
<td>58</td>
<td>55</td>
</tr>
<tr>
<td>Wind speed(Km/hr)</td>
<td>10</td>
<td>8</td>
<td>10</td>
<td>6</td>
<td>12</td>
</tr>
<tr>
<td>Wind Direction (Degrees)</td>
<td>230</td>
<td>240</td>
<td>270</td>
<td>230</td>
<td>230</td>
</tr>
</tbody>
</table>

Crop Stage/ Condition Pest and Disease Agro advisories

Kharif crops & General advisory
Monsoon was weak in the region during last two weeks.

- Recommended for medium to short duration crops for sowing.
- Advised for crop rotation instead of mono cropping system.
- Wind speed is high; provide protection for tomato and other vegetables through staking are important.
- 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, GKVK

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**13th July 2016**

**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 western districts of Karnataka, rest of the state shows moderate wet condition.