Date: 13.05.2016

The forecast is valid for Chikkaballapur district

Weather forecast (Valid from 14th May to 18th May 2016)

<table>
<thead>
<tr>
<th>Parameters</th>
<th>14.05.16</th>
<th>15.05.16</th>
<th>16.05.16</th>
<th>17.05.16</th>
<th>18.05.16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rainfall (mm)</td>
<td>3</td>
<td>3</td>
<td>5</td>
<td>3</td>
<td>7</td>
</tr>
<tr>
<td>Max Temp Trend (°C)</td>
<td>36</td>
<td>37</td>
<td>37</td>
<td>36</td>
<td>35</td>
</tr>
<tr>
<td>Min Temp Trend (°C)</td>
<td>21</td>
<td>22</td>
<td>21</td>
<td>21</td>
<td>21</td>
</tr>
<tr>
<td>Total cloud cover (octa)</td>
<td>4</td>
<td>6</td>
<td>4</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>Relative humidity (%Max)</td>
<td>55</td>
<td>57</td>
<td>58</td>
<td>68</td>
<td>74</td>
</tr>
<tr>
<td>Relative humidity (%Min)</td>
<td>49</td>
<td>42</td>
<td>46</td>
<td>44</td>
<td>51</td>
</tr>
<tr>
<td>Wind speed(Km/hr)</td>
<td>2</td>
<td>3</td>
<td>3</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>Wind Direction (Degrees)</td>
<td>140</td>
<td>150</td>
<td>140</td>
<td>230</td>
<td>140</td>
</tr>
</tbody>
</table>

Forecast summary:
Light rainfall forecasted during next 5 days. The Maximum temperature ranges from 35.0-37.0°C and Minimum of 21.0-22.0°C. Relative humidity 55-74 % during morning hrs and 42-51 % during noon is expected. Wind speed is expected to 2-4 km/hr.

Weather Based Agro Advisories

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

<table>
<thead>
<tr>
<th>District</th>
<th>Kharif crops</th>
<th>Horticulture crops</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bangalore (U)</td>
<td>Ragi</td>
<td>Redgram</td>
</tr>
</tbody>
</table>


Agromet Advisory:

Agriculture crop

The following crops are suggested for sowing of medium to long duration varieties.
- Ragi: Indaf -9, ML-365
- Seasamum: Navile-1, T-7
- Groundnut: TMV-2, JL-24, KCG-6
- Redgram: TTB-7, BRG-1,2,4&5
- Cowpea: TVX-944, KBC-1, Green gram: PS-16, PDM-84,178
- Black gram: Karagao-3, T-9, Rashmi(LBG-625)

General advisory

- Summer ploughing, FYM and tank silt application in field.
- Take up land preparation and strengthen the bund with fodder grass which will facilitate conservation of rainwater due to pre-monsoon showers. Ploughing across the slope will make insitu soil moisture conservation
- Take up land leveling so that more rain water is conserved in the soil.
- For Soil moisture conservation in mango orchard, weeds and crop residues may be mulched.

Horticulture crop

Mango

- Taken up summer plough to expose the soil to kill the different stages of insect.
- Take up harvesting without dropping fruit on the soil to avoid the damage.
The following measures should be adopted to take care of heat stress livestock during summer season, it is advisable to sprinkle the cold water 2-3 times a day on the body of the cattle to overcome the heat and reduce the feed intake in poultry and cattle unit.

- Apply 4-6 inch thick hay thatch as a roofing material. Water can be used for spraying the floor and roof of shelter periodically during peak hot hours which lowers the temperature and consequently reduces the heat load on animals.
- Proper ventilation should be maintained for free circulation of air in the sheds.
- Keep the cattle shed clean.
- Drinking water may be ensured of 60 lts. of water/day/animal.
- Animals may be allowed for grazing early in morning or later in evening.

Station Nodal Officer
Bengaluru