AGROMET-ADVISORY BULLETIN

The forecast is valid for Bengaluru Rural district.
Weather forecast (Valid from 20th July to 24th July 2016)

Forecast summary:

<table>
<thead>
<tr>
<th>Parameters</th>
<th>20.07.16</th>
<th>21.07.16</th>
<th>22.07.16</th>
<th>23.07.16</th>
<th>24.07.16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rainfall (mm)</td>
<td>3</td>
<td>6</td>
<td>3</td>
<td>4</td>
<td>6</td>
</tr>
<tr>
<td>Max Temp Trend (°C)</td>
<td>28</td>
<td>28</td>
<td>29</td>
<td>28</td>
<td>29</td>
</tr>
<tr>
<td>Min Temp Trend (°C)</td>
<td>20</td>
<td>20</td>
<td>21</td>
<td>21</td>
<td>20</td>
</tr>
<tr>
<td>Total cloud cover (octa)</td>
<td>8</td>
<td>8</td>
<td>7</td>
<td>6</td>
<td>8</td>
</tr>
<tr>
<td>Relative humidity (%)Max</td>
<td>90</td>
<td>89</td>
<td>88</td>
<td>87</td>
<td>88</td>
</tr>
<tr>
<td>Relative humidity (%)Min</td>
<td>69</td>
<td>66</td>
<td>66</td>
<td>65</td>
<td>65</td>
</tr>
<tr>
<td>Wind speed(Km/hr)</td>
<td>6</td>
<td>5</td>
<td>5</td>
<td>4</td>
<td>6</td>
</tr>
<tr>
<td>Wind Direction (Degrees)</td>
<td>280</td>
<td>270</td>
<td>270</td>
<td>270</td>
<td>270</td>
</tr>
</tbody>
</table>

Light rainfall forecasted during next 5 days. The Maximum temperature ranges from 28.0-29.0°C and Minimum of 20.0-21.0°C. Relative humidity 87-90% during morning hrs and 65-69% during noon is expected. Wind speed is expected to 4-6 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></td>
<td>Groundnut</td>
<td>Redgram</td>
</tr>
<tr>
<td></td>
<td>S,G</td>
<td>S,G, EV</td>
</tr>
</tbody>
</table>


Agromet Advisory:

Crop Stage/ Condition

Kharif crops & General advisory

- Recommended for medium to short duration crops for sowing.
- Apply the recommended basal dose of fertilizer.
- Advised for crop rotation instead of mono cropping system.
- 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.
- Keep the cattle shed clean.
- Vaccinate the cow against the Foot and Mouth Disease (FMD) & Black quarter.

**Station Nodal Officer**

UAS, GKVK

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**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.

13th July 2016