AGROMET-ADVISORY BULLETIN

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

The forecast is valid for Ramanagara district

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

Forecast summary:
Light rainfall forecasted during next 5 days. The Maximum temperature ranges from 28.0-31.0°C and Minimum of 20.0-21.0°C. Relative 87-92 % during morning hrs and 56-66 % during noon is expected. Wind speed is expected 4-14 km/hr.

Weather Based Agro Advisories

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

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


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),

<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>4</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>Max Temp Trend (°C)</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>31</td>
</tr>
<tr>
<td>Min Temp Trend (°C)</td>
<td>20</td>
<td>20</td>
<td>20</td>
<td>21</td>
<td>21</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>87</td>
<td>89</td>
<td>92</td>
<td>92</td>
<td>91</td>
</tr>
<tr>
<td>Relative humidity (%)(Min)</td>
<td>61</td>
<td>56</td>
<td>59</td>
<td>66</td>
<td>65</td>
</tr>
<tr>
<td>Wind speed(Km/hr)</td>
<td>14</td>
<td>8</td>
<td>5</td>
<td>5</td>
<td>4</td>
</tr>
<tr>
<td>Wind Direction (Degrees)</td>
<td>270</td>
<td>270</td>
<td>260</td>
<td>240</td>
<td>250</td>
</tr>
</tbody>
</table>
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.

Station Nodal Officer
UAS, GKVK

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.