AGROMET-ADVISORY BULLETIN

Date: 07.04.2016

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

The forecast is valid for Ramanagara district

Weather forecast (Valid from 08th April to 12th April 2016)

Forecast summary:

Light rainfall is forecasted during next 5 days. The Maximum temperature ranges from 35.0-36.0°C and Minimum of 22.0-23.0°C. Relative humidity 71-77 % during morning hrs and 26-36 % during noon is expected. Wind speed is expected to 0-6 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>Bangalore (U)</td>
<td>Ragib Redgram</td>
<td>Grape Mango</td>
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<tr>
<td></td>
<td>-</td>
<td>FD</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Parameters</th>
<th>08.04.16</th>
<th>09.04.16</th>
<th>10.04.16</th>
<th>11.04.16</th>
<th>12.04.16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rainfall (mm)</td>
<td>2</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Max Temp Trend (°C)</td>
<td>36</td>
<td>36</td>
<td>35</td>
<td>36</td>
<td>36</td>
</tr>
<tr>
<td>Min Temp Trend (°C)</td>
<td>23</td>
<td>23</td>
<td>23</td>
<td>22</td>
<td>23</td>
</tr>
<tr>
<td>Total cloud cover (octa)</td>
<td>3</td>
<td>5</td>
<td>6</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>Relative humidity (%)Max</td>
<td>71</td>
<td>76</td>
<td>75</td>
<td>77</td>
<td>73</td>
</tr>
<tr>
<td>Relative humidity (%)Min</td>
<td>36</td>
<td>28</td>
<td>30</td>
<td>26</td>
<td>27</td>
</tr>
<tr>
<td>Wind speed(Km/hr)</td>
<td>4</td>
<td>0</td>
<td>6</td>
<td>4</td>
<td>0</td>
</tr>
<tr>
<td>Wind Direction (Degrees)</td>
<td>180</td>
<td>0</td>
<td>340</td>
<td>140</td>
<td>0</td>
</tr>
</tbody>
</table>

Agromet Advisory:

General advisory

- Tank silt from dry farm ponds should be extracted and added to crop field to increase the soil fertility
- Sowing seeds may be procured in advance and store for pre monsoon season sowing.
- Average Rainfall in April and May months are 40 mm and 93 mm respectively. Hence, cowpea, sesame, Black gram and green gram are recommended for the sowing the above crops during May month. Agricultural implements and seeds may be kept for sowing of crops.
- Soil moisture conservation in mango orchard, weeds and crop residues are mulching is recommended.
- After completion of rabi crops/other crop residues used for compost making instead of burning or using as fue

Agro advisories

Agriculture crop

- Advised to provide irrigation to vegetable and other crops.

Horticulture crop

- Advised to provide irrigation to vegetable and other crops.
**Mango**

- Remove the weeds such as lantana which are growing under the mango tree.
- Mango fruit drop can be controlled by spraying NAA (Naphthalene acetic acid) at 20ppm twice at an interval of 15 days.
- Destroy the termite mount and termite by drenching Chlorophyriphos @ 5-10 ml/ litre of water or Place 2 Aluminum phosphate /termite mount which has one meter circumstances and close all the holes with wet clay soil to avoid air entering into the mount.

**Animal Husbandry**

- Preparation of silage and use silage during summer season when shortage of green fodder
- Proper ventilation should be maintained for free circulation of air in the sheds.
- Keep the cattle shed clean.
- Drinking water management of 60 lts. of water/day/animal
- Animals allow for grazing early in morning or later in evening

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**Value Added Rainfall Forecast – Soil Moisture Index (06 -10 April 2016)**

**Realized Gridded Rainfall – Soil Moisture Index ending on 5th April 2016**

**Karnataka**

Dry condition of soil moisture is observed over entire state of Karnataka.
Same condition of Soil Moisture prevails for the next 4 days