AGROMET-ADVISORY BULLETIN

Date: 16.09.2016

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

The forecast is valid for Bengaluru Rural district.

Weather forecast (Valid from 17th September to 21st September 2016)

Forecast summary:

### Weather forecast (Valid from 17th September to 21st September 2016)

- **Light rainfall forecasted during next 5 days.** The Maximum temperature ranges from 27.0-28.0°C and Minimum temperature of 21.0-21.0°C. Relative humidity 87-89 % during morning hrs and 55-57 % during noon is expected. Wind speed is expected to 15-16 km/hr.

### Weather Based Agro Advisories

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

**District**

<table>
<thead>
<tr>
<th>Kharif crops</th>
<th>Horticulture crops</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bengaluru (R)</td>
<td>Groundnut, Redgram, Maize, Grape, Mango</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Parameters</th>
<th>17.09.16</th>
<th>18.09.16</th>
<th>19.09.16</th>
<th>20.09.16</th>
<th>21.09.16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rainfall (mm)</td>
<td>2</td>
<td>3</td>
<td>3</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Max Temp Trend ( °C)</td>
<td>28</td>
<td>28</td>
<td>27</td>
<td>27</td>
<td>28</td>
</tr>
<tr>
<td>Min Temp Trend ( °C)</td>
<td>21</td>
<td>21</td>
<td>21</td>
<td>21</td>
<td>20</td>
</tr>
<tr>
<td>Total cloud cover (octa)</td>
<td>5</td>
<td>3</td>
<td>6</td>
<td>6</td>
<td>8</td>
</tr>
<tr>
<td>Relative humidity (%)Max</td>
<td>89</td>
<td>88</td>
<td>87</td>
<td>88</td>
<td>87</td>
</tr>
<tr>
<td>Relative humidity (%)Min</td>
<td>57</td>
<td>56</td>
<td>55</td>
<td>56</td>
<td>56</td>
</tr>
<tr>
<td>Wind speed(Km/hr)</td>
<td>16</td>
<td>15</td>
<td>16</td>
<td>15</td>
<td>15</td>
</tr>
<tr>
<td>Wind Direction (Degrees)</td>
<td>250</td>
<td>250</td>
<td>260</td>
<td>260</td>
<td>250</td>
</tr>
</tbody>
</table>

#### Agromet Advisory:

**Crop/ Component**

**Stage/ Condition**

**Pest and Disease**

**Agro advisories**

**General**

- Based on Extended Range Weather Forecast (ERWF) light rainfall is forecasted for next week.
- Sowing of short duration crops such as cowpea (KBC-1,2), foxtail millet, field bean (Hebbal avare) are recommended.
- Provide one protective irrigation to standing agricultural crops.
- If rain not received, spray 2 % KCL (MOP) to overcome moisture stress.

**Ragi**

- Use short duration Ragi varieties like GPU 45, 48 and Indaf 9 for sowing when rain received.
- If ragi blast disease noticed, spray Mancozeb @ 2gram/litre(100 gram/acre) or Zainab @2.5 gram/litre(500 gram/acre)

**Maize**

- Top dress Nitrogen @ 25 kg/ha immediately after rain received.
- Undertake intercultural operation to control the weeds and to increase the moisture availability to crops.
- Undertake residue mulch by using the residues of weeds, gliricidia and other green manure crops grown on the bunds, borders and along the drainage lines.
- To control Cob borer spray melathon 50 EC @ 2ml/litre (500 ml/acre)
- To control stem borer in Maize Spray Quinolphos-25 EC @ 2ml/liter of water or Chlorophyriphos -20 EC @ 2ml/liter of water.
| **Redgram** | ➢ Undertake residue mulch by using the residues of weeds, gliricidia and other green manure crops grown on the bunds, borders and along the drainage lines.  
➢ If pod borer noticed, spray indoxycarb 14.5 SC @ 0.5 ml/litre or spynosad 45 SC @ 0.15 ml/litre or chloropyrifos 20 EC @ 2ml/litre.  
➢ If Wilt diseases noticed in field –Drenching Carbendazim 50 WP 2 g/litre of water.  
➢ Remove and burn the wilt infected plant in field. |

| **Groundnut** | ➢ Undertake intercultural operation followed by hand weeding should be attended. |

| **Animal Husbandry** |

| **Cattle** | ➢ Proper ventilation should be maintained for free circulation of air in the sheds.  
➢ For milch animals regularly follow schedule of 1 kg feed + 50 g mineral mixture per 2 litres of milk yield. Feed animals with a mixture of green grass + hay + minerals + dry fee |

Station Nodal Officer  
UAS, GKVK