The forecast is valid for Bengaluru Rural district.

Weather forecast (Valid from 22nd June to 26th June 2016)

Forecast summary:

<table>
<thead>
<tr>
<th>Parameters</th>
<th>22.06.16</th>
<th>23.06.16</th>
<th>24.06.16</th>
<th>25.06.16</th>
<th>26.06.16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rainfall (mm)</td>
<td>15</td>
<td>16</td>
<td>18</td>
<td>7</td>
<td>9</td>
</tr>
<tr>
<td>Max Temp Trend (°C)</td>
<td>28</td>
<td>27</td>
<td>27</td>
<td>28</td>
<td>27</td>
</tr>
<tr>
<td>Min Temp Trend (°C)</td>
<td>20</td>
<td>19</td>
<td>19</td>
<td>20</td>
<td>20</td>
</tr>
<tr>
<td>Total cloud cover (octa)</td>
<td>7</td>
<td>8</td>
<td>8</td>
<td>7</td>
<td>7</td>
</tr>
<tr>
<td>Relative humidity (%)/Max</td>
<td>88</td>
<td>90</td>
<td>91</td>
<td>87</td>
<td>89</td>
</tr>
<tr>
<td>Relative humidity (%)/Min</td>
<td>76</td>
<td>73</td>
<td>75</td>
<td>67</td>
<td>72</td>
</tr>
<tr>
<td>Wind speed (Km/hr)</td>
<td>6</td>
<td>4</td>
<td>6</td>
<td>8</td>
<td>4</td>
</tr>
<tr>
<td>Wind Direction (Degrees)</td>
<td>270</td>
<td>270</td>
<td>230</td>
<td>240</td>
<td>250</td>
</tr>
</tbody>
</table>

Light to medium rainfall forecasted during the next 5 days. The maximum temperature ranges from 27.0-28.0°C and minimum of 19.0-20.0°C. Relative humidity 87-91% during morning hrs and 67-76% during noon is expected. Wind speed is expected to 4-8 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>Groundnut</td>
<td>Groundnut</td>
<td>Redgram</td>
</tr>
<tr>
<td></td>
<td>Maize</td>
<td>Grape</td>
</tr>
<tr>
<td></td>
<td>Mango</td>
<td>R,H</td>
</tr>
</tbody>
</table>


Agromet Advisory:

Where ever sufficient rainfall received, farmers are advised to go for sowing of 

**Redgram** with suitable varieties of TTB-7, BRG-1, and Hyd-3c @15kg/ha and treat the seeds with *rhizobium* culture @ 500gm/ha before sowing. Sow the seeds with spacing of 60 cm x 23 cm.

**Groundnut**: Bunch type of varieties, JL-24 and TMV-2 (Use 125 kg seeds/ha (i.e. 50 kg seeds per acre) · 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). · Pre-emergent application of herbicide Atrazine 50 WP @ 1 kg /ha in 1000 ltr (i.e.2 gram of atrazine in 1 ltr of water) immediately after the sowing or within 48 hours of sowing.

The following crops are suggested for sowing.

**Under monocropping the long duration crops:**

Redgram : TTB-7, BRG-1, 2, 4 & 5
Castor: DCS-9 (Jyothi), DCH-177 & 32

**Under double cropping the short duration crops:**

Ragi : Indaf-9, ML-365
Seasamum : Navile-1, T-7
Groundnut : TMV-2, JL-24, KCG-6
<table>
<thead>
<tr>
<th>General advisory</th>
<th>Horticulture crop</th>
</tr>
</thead>
<tbody>
<tr>
<td>➢ Before sowing take up land preparation and strengthen the bund which will facilitate conservation of rainwater of pre-monsoon showers.</td>
<td></td>
</tr>
<tr>
<td>➢ FYM and tank silt application in field.</td>
<td></td>
</tr>
<tr>
<td>➢ Tank silt application will improve the soil texture and soil fertility.</td>
<td></td>
</tr>
<tr>
<td>➢ Ploughing across the slope will make insitu soil moisture conservation</td>
<td></td>
</tr>
<tr>
<td>➢ Take up land leveling so that more rain water is conserved in the soil.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mango</th>
</tr>
</thead>
<tbody>
<tr>
<td>➢ Taken up deep plough to expose the soil to kill the different stages of insect.</td>
</tr>
<tr>
<td>➢ Advised to harvesting of mango fruits as early because of continuous rainfall fruit fly incidence is more.</td>
</tr>
<tr>
<td>➢ Take up harvesting without dropping fruit on the soil to avoid the damage.</td>
</tr>
<tr>
<td>➢ Management of fruit fly in mango orchard, hanging the 10 pheromone traps /ha</td>
</tr>
<tr>
<td>(100 ml insecticide) 1 liter of water contain 1 ml Methyl Eugenol &amp; 4 gram Carbaryl)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Animal Husbandry</th>
</tr>
</thead>
<tbody>
<tr>
<td>➢ Proper ventilation should be maintained for free circulation of air in the sheds.</td>
</tr>
<tr>
<td>➢ Keep the cattle shed clean.</td>
</tr>
</tbody>
</table>

Station Nodal Officer  
UAS, GKVK  

15 June 2016

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 over entire state of Karnataka except few district in east shows moderate wet condition.