UNIVERSITY OF AGRICULTURAL SCIENCE, BENGALURU
GRAMIN KRISHI MAUSAM SEWA(GKMS)

AGROMET ADVISORY BULLETIN
Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

The forecast is valid for Kolar district
Weather forecast (Valid from 25th June to 29th June 2016)

Forecast summary:
Light to medium rainfall forecasted during next 5 days. The Maximum temperature ranges from 24.0-28.0°C and Minimum of 20.0-21.0°C. Relative humidity 84-86 % during morning hrs 59-71 % during noon is expected. Wind speed is expected to 7-10 km/hr.

Weather Based Agro Advisories
Crop information and Crop Stages of the major Kharif/Rabi crops

<table>
<thead>
<tr>
<th>Parameters</th>
<th>25.06.16</th>
<th>26.06.16</th>
<th>27.06.16</th>
<th>28.06.16</th>
<th>29.06.16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rainfall (mm)</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>Max Temp Trend (°C)</td>
<td>28</td>
<td>27</td>
<td>27</td>
<td>27</td>
<td>24</td>
</tr>
<tr>
<td>Min Temp Trend (°C)</td>
<td>20</td>
<td>20</td>
<td>20</td>
<td>20</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>8</td>
</tr>
<tr>
<td>Relative humidity (%)Max</td>
<td>85</td>
<td>84</td>
<td>85</td>
<td>85</td>
<td>86</td>
</tr>
<tr>
<td>Relative humidity (%)Min</td>
<td>59</td>
<td>67</td>
<td>61</td>
<td>59</td>
<td>71</td>
</tr>
<tr>
<td>Wind speed(Km/hr)</td>
<td>9</td>
<td>8</td>
<td>10</td>
<td>7</td>
<td>8</td>
</tr>
<tr>
<td>Wind Direction (Degrees)</td>
<td>275</td>
<td>275</td>
<td>270</td>
<td>250</td>
<td>270</td>
</tr>
</tbody>
</table>

Crop Based Agro Advisories

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

**Redgram** with suitable varieties of TTB-7 ,BRG-1and 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
| **General advisory** | Before sowing take up land preparation and strengthen the bund which will facilitate conservation of rainwater of pre-monsoon showers.  
| | FYM and tank silt application in field.  
| | Tank silt application will improve the soil texture and soil fertility.  
| | Ploughing across the slope will make insitu soil moisture conservation  
| | Take up land leveling so that more rain water is conserved in the soil.  

### Horticulture crop

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

### Animal Husbandry

| | Proper ventilation should be maintained for free circulation of air in the sheds.  
| | Keep the cattle shed clean.  

### Station Nodal Officer

UAS, GKVK

**15 June 2016**

**Karnataka**

Severely wet condition of soil moisture is observed over entire state of Karnataka except few district in east shows moderate wet condition.