Date: 24.06.2016

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 23.0-28.0°C and Minimum of 20.0-21.0°C. Relative humidity 84-87 % during morning hrs and 59-74 % during noon is expected. Wind speed is expected to 17-21 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>Redgram</td>
<td>Maize</td>
</tr>
<tr>
<td>Redgram</td>
<td>Grape</td>
<td>Mango</td>
</tr>
<tr>
<td>Groundnut Groundnut</td>
<td>Redgram</td>
<td>Maize</td>
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<td></td>
<td>Redgram</td>
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<td>Redgram</td>
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</tbody>
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Parameters | 25.06.16 | 26.06.16 | 27.06.16 | 28.06.16 | 29.06.16 |
<table>
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</tr>
</thead>
<tbody>
<tr>
<td>Rainfall (mm)</td>
<td>3</td>
<td>4</td>
<td>6</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Max Temp Trend (°C)</td>
<td>28</td>
<td>27</td>
<td>26</td>
<td>25</td>
<td>23</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>86</td>
<td>86</td>
<td>87</td>
</tr>
<tr>
<td>Relative humidity (%)(Min)</td>
<td>59</td>
<td>68</td>
<td>62</td>
<td>62</td>
<td>74</td>
</tr>
<tr>
<td>Wind speed(Km/hr)</td>
<td>17</td>
<td>18</td>
<td>17</td>
<td>17</td>
<td>21</td>
</tr>
<tr>
<td>Wind Direction (Degrees)</td>
<td>270</td>
<td>268</td>
<td>267</td>
<td>262</td>
<td>265</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
**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 in situ soil moisture conservation
- Take up land leveling so that more rain water is conserved in the soil.

**Horticulture crop**
- 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.

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**Station Nodal Officer**
**UAS, GKVK**

**15 June 2016**

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**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.