AGROMET ADVISORY BULLETIN

Date: 10.05.2016

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

The forecast is valid for Kolar district

Weather forecast (Valid from 11th May to 15th May 2016)

Forecast summary:

Light rainfall forecasted during next 5 days. The Maximum temperature ranges from 35.0-37.0°C and Minimum of 20.0-21.0°C. Relative humidity 56-63 % during morning hrs 42-48 % during noon is expected. Wind speed is expected to 2-4 km/hr.

Weather Based Agro Advisories

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

<table>
<thead>
<tr>
<th>District</th>
<th>Groundnut</th>
<th>Redgram</th>
<th>Maize</th>
<th>Grape</th>
<th>Mango</th>
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<tbody>
<tr>
<td>Bangalore (U)</td>
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Agromet Advisory:

<table>
<thead>
<tr>
<th>Crop</th>
<th>Stage/ Condition</th>
<th>Pest and Disease</th>
<th>Agro advisories</th>
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<tbody>
<tr>
<td>Agriculture crop</td>
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<tr>
<td>Ragi : Indaf -9,</td>
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<td>Seasamum : Navile-1,</td>
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<td>T-7</td>
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<td>Cowpea : TVX-944,</td>
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<td>KBC-1, Green gram :</td>
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<td>PS-16, PDM-84,178</td>
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<tr>
<td>Black gram : Karagao-3, T-9, Rashmi(LBG-625)</td>
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- Summer ploughing, FYM and tank silt application in field.
- Take up land preparation and strengthen the bund with fodder grass which will facilitate conservation of rainwater due to pre-monsoon showers. Ploughing across the slope will make use in situ soil moisture conservation
- Take up land leveling so that more rain water is conserved in the soil.
- 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 ready for sowing of crops.
- For Soil moisture conservation in mango orchard, weeds and crop residues may be mulched
- After completion of rabi crops/other crop residues may used for compost making instead of burning or using as fuel

<table>
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<tr>
<th>Horticulture crop</th>
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<tr>
<td>Mango</td>
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<tr>
<td>Remove the weeds such as lantana which are growing under the mango tree.</td>
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<tr>
<td>Destroy the termite mound and termite by drenching Chlorophyriphos @ 5-10 ml/ liter 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.</td>
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<th>Animal Husbandry</th>
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<td>The following measures should be adopted to take care of heat stress livestock during summer season, it is advisable to sprinkle the cold water 2-3 times a day on the body of the cattle to overcome the heat,</td>
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<td>Apply 4-6 inch thick hay thatch as a roofing material. Water can be used for spraying the floor and roof of shelter periodically during peak hot hours which lowers the temperature and consequently reduces the heat load on animals.</td>
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<td>Proper ventilation should be maintained for free circulation of air in the sheds.</td>
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<td>Keep the cattle shed clean.</td>
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<td>Drinking water may be ensured of 60 lts. of water/day/animal</td>
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<td>Animals may be allowed for grazing early in morning or later in evening</td>
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Station Nodal Officer
Bengaluru