AGROMET ADVISORY BULLETIN

Date: 07.04.2016

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

The forecast is valid for Kolar district

Weather forecast (Valid from 08th April to 12th April 2016)

Forecast summary:

Light rainfall forecasted during next 5 days. The Maximum temperature ranges from 36.0-37.0°C and Minimum of 21.0-22.0°C. Relative humidity 49-56 % during morning hrs 38-43 % 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>
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<th>District</th>
<th>Kharif crops</th>
<th>Horticulture crops</th>
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<tr>
<td>Bangalore (U)</td>
<td>Groundnut</td>
<td>Redgram</td>
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<tr>
<td></td>
<td>Maize</td>
<td>Grape</td>
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<tr>
<td></td>
<td>Mango</td>
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Agromet Advisory:

Agriculture crop

- Tank silt from dry farm ponds should be extracted and added to crop field to increase the soil fertility
- Sowing seeds may be procured in advance and store for pre monsoon season sowing.
- 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 for sowing of crops.
- Soil moisture conservation in mango orchard, weeds and crop residues are mulching is recommended.
- After completion of rabi crops/other crop residues used for compost making instead of burning or using as fue

Vegetables

Advised to provide irrigation to vegetable and other crops.

Horticulture crop
Mango

- Remove the weeds such as lantana which are growing under the mango tree.
- Mango fruit drop can be controlled by spraying spraying of NAA (Naphthalene acetic acid) at 20ppm twice at an interval of 15 days.
- Destroy the termite mount and termite by drenching Chlorophyriphos @ 5-10 ml/ litre 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.

Animal Husbandry

- Preparation of silage and use silage during summer season when shortage of green fodder
- Proper ventilation should be maintained for free circulation of air in the sheds.
- Keep the cattle shed clean.
- Drinking water management of 60 lts. of water/day/animal
- Animals allow for grazing early in morning or later in evening

Station Nodal Officer
Bengaluru

Value Added Rainfall Forecast – Soil Moisture Index (06 -10 April 2016)

Karnataka

Realized Gridded Rainfall – Soil Moisture Index ending on 5th April 2016

Soil Moisture Index
- 0(Dry)
- 1 - 20 (Mildly Dry)
- 21 - 40 (Mildly Wet)
- 41 - 60 (Moderate Wet)
- 61 - 80 (Severly Wet)
- >80 (Extremely Wet)

Dry condition of soil moisture is observed over entire state of Karnataka.
Same condition of Soil Moisture prevails for the next 4 days.