



UNIVERSITY OF AGRICULTURAL SCIENCE, BENGALURU
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AMFU OF IMD, BENGALURU



AGROMET ADVISORY BULLETIN

Date: 18.09.2020

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

The forecast is valid for Kolar district

Weather forecast (Valid from 19-09-2020 to 23-09-2020)

Forecast summary:

| Parameters | 19.09.2020 | 20.09.2020 | 21.09.2020 | 22.09.2020 | 23.09.2020 |
|--------------------------|------------|------------|------------|------------|------------|
| Rainfall (mm) | 6 | 5 | 6 | 9 | 7 |
| Max Temp Trend (°C) | 30 | 30 | 31 | 31 | 32 |
| Min Temp Trend (°C) | 20 | 20 | 20 | 20 | 19 |
| Total cloud cover (octa) | 7 | 7 | 7 | 7 | 7 |
| Relative humidity (%)Max | 88 | 88 | 89 | 90 | 88 |
| Relative humidity (%)Min | 82 | 82 | 82 | 83 | 83 |
| Wind speed(Km/hr) | 7 | 8 | 8 | 8 | 7 |
| Wind Direction (Degrees) | 291 | 292 | 257 | 248 | 248 |

Light to medium rain forecasted by IMD, Bangalore during next 5 days. The Maximum temperature ranges from 30.0-32.0°C and Minimum of 19.0-20.0°C. Relative humidity 88-90 % during morning hrs and 82-83 % during noon is expected. Wind speed is 7-8 km/hr.

Weekly Rainfall Forecast from 16-09-2020 to 22-09-2020

| State | Division | Actual | Normal | % Departure |
|-----------|--------------------------|--------|--------|-------------|
| Karnataka | South Interior Karnataka | 6.8 | 5.4 | 26 |

Weather Based Agro Advisories

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

| District | Kharif crops | | | Horticulture crops | |
|---------------|--------------|---------|---------------|--------------------|-------|
| | Ragi | Redgram | Maize | Grape | Mango |
| Bangalore (U) | S,G,EV,V | F,GF | EV, V, Ts, GF | - | -- |

G: Germination, S: Sowing, EV: Early vegetative, VG: Vegetative growth, TR: Transplanting, PI: Peg initiation, FLI: Flag leaf initiation, F: Flowering, PF: Pod formation, PM: Pod Maturity, T: Tillering, Ts: Taselling, E: Ear head emergence, GF: Grain filling, H: Harvesting IBI: Inflorescence Bud initiation , PP(V): Pod Picking Vegetable , F& FS: Flowering to fruit setting, FD: Fruit Development, H: Harvesting, M: Maturation, B: Branching

Agromet Advisory:

| Crop/ Component | Stage/ Condition | Pest and Disease | Agro advisories |
|-------------------------|------------------|------------------|---|
| Agriculture crop | | | |
| General | | | <ul style="list-style-type: none"> ➤ Uttara rainstar starts from September 13th to September 26th. The normal rainfall of Uttara rainstar is 91.9 mm. ➤ Advised to undertake transplanting ragi seedlings wherever there is patchy stand to maintain the uniform plant populations to get higher yield. ➤ Due to continuous rainfall, chances of weeds problem will be more. Advised to take care of mechanical or chemical weed control measures. ➤ Biological control of pod borer insect in Redgram 200 LE/acre HANPV 400 litre with teepol (1 ml/lit.). Pheromone traps for <i>Helicoverpa armigera</i> 12/ha ➤ To control of leaf folder insect in Redgram to spray Methomyl 40SP , 2 gram/litre of water before flowering of crop. ➤ If Wilt diseases noticed in Redgram field –Drenching Carbendazim 50 WP 2 g/litre of water. ➤ Remove and burn the infected Wilt diseases Redgram plant in field. |

| | |
|--------------------------------|--|
| | <p>The following crops are suggested for sowing. Finger millet / Ragi -Indaf-5, 7,9, ML-365, KMR-301, Horse gram- PHG-9, KBH-1 , Field bean-HA-3 and 4 Sunflower-KBSH-1,41,42, 44 & 53, Cowpea (KBC-1, TVX-944 and PKB-4 for vegetable purpose). Maize: Ganga-11, Deccan -103, Vijaya composite, Composite NAC- 6004,6002, Hybrid-Nityashree (NAH-2049), Hybrid Hema (NAH-1137) These maize varieties resistance to Stem borer, Leaf blight and Downey mildew disease</p> |
| <p>Animal Husbandry</p> | |
| | <ul style="list-style-type: none"> ➤ Congenial climate and abundant fodder availability facilitate improved Dairy, Piggery, Poultry, Sheep and Goat rearing. ➤ Vaccinate the cow against the Haemorrhagic Septecemia (HS) and Black Quarter (BQ) Disease at the age of six month old calf. <p>Feeding of lactating cow</p> <ul style="list-style-type: none"> ➤ Proper feeding of dairy cattle should envisage minimum wastage of nutrients and maximum returns in respect of milk produced. ➤ A concentrate mixture made up of protein supplements such as oil cakes, energy sources such as cereal grains (Maize, Jowar), tapioca chips and laxative feeds such as brans (rice bran, wheat bran, gram husk) is generally used. ➤ Mineral mixture containing major and all the trace elements should be included at a level of 2 percent. ➤ Dietary fiber for milking cow should be 17 % and NDF (Neutral Detergent Fiber) 22 % |

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