

**UNIVERSITY OF AGRICULTURAL SCIENCES, BENGALURU &
INDIAN METEOROLOGICAL DEPARTMENT**



**GRAMIN KRISHI MAUSAM SEWA
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MYSURU - 570003**



Date: 19-01-2024

AGRO-ADVISORY BULLETIN FOR CHAMARAJANAGARA DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Weather forecast for the next five days (From 20-01-2024 to 24-01-2024)

| Parameter | 20.01.2024 | 21.01.2024 | 22.01.2024 | 23.01.2024 | 24.01.2024 |
|----------------------------------|------------|------------|------------|------------|------------|
| Rainfall (mm) | 0 | 0 | 0 | 0 | 0 |
| Max. Temp. (°C) | 33 | 32 | 32 | 32 | 32 |
| Min.Temp. (°C) | 15 | 14 | 13 | 13 | 13 |
| Sky condition (Octas) | 1 | 2 | 1 | 2 | 2 |
| Relative humidity (%) 0830 hours | 93 | 86 | 86 | 88 | 86 |
| Relative humidity (%) 1730 hours | 40 | 42 | 37 | 31 | 31 |
| Wind Speed (kmph) | 8 | 8 | 9 | 9 | 9 |
| Wind Direction | 120 | 110 | 120 | 120 | 135 |

Forecast Summary

As forecast received from IMD, Cloudy sky with no rainfall may be expected from 20.01.2024 to 24.01.2024 in Chamarajanagara district. The day temperature is expected to be 32-33°C & night temperature is expected 13-15°C. The relative humidity in the morning hours is expected to be 86-93% & afternoon relative humidity is expected to be in the range of 31-42%. Wind speed expected to be 8-9 km/ hr.

Recommendations to the farmers:

| Crop | Pest/Disease | Damage symptoms | Control measures |
|---|--------------|---|------------------|
| Crops which can be sown in the month of January: Tomato, Brinjal, Chilli, Pumpkin, Cucumber, Bitter guard, Watermelon, Bhendi, Field bean, Raddish, Carrot etc.. | | | |
| <ul style="list-style-type: none"> The grains of the harvested crops should be properly dried by retaining moisture percentage as mentioned bellow for long storage & also minimize the store pest damage Cereals 11-12 %, Pulses-9%, Oil seeds-8% and Vegetable seeds 5-6%. | | | |
| Field bean | Pod borer | <ul style="list-style-type: none"> At the flowering stage of the plant, 5 ml of neem oil should be mixed in every liter of water and sprayed. Install 5 pheromonal traps /acre When infestation is noticed spray Quinalphos 25 EC 2 ml per liter of water or fenvalarate 20 E.C. 3 ml. per liter of water should be mixed and sprayed. | |

| | | |
|--------------------------------------|---------------------------------|---|
| Cucurbits (cucumber and pumpkins) | Downy mildew and Powdery mildew | <p>Downy mildew: Cone shaped yellow spots noticed on leaves. To manage this disease Spray 2.0 g. Metalaxyl + Mancozeb per litre of water.</p> <p>Powdery mildew: Small sized ashy white fungal growth on leaves, under severe infestation drying of leaves. To manage this disease spray 1.0 g Carbendazim 50 WP or 1.5 g. Dinocap in a lit. water. 200 lit spray solution required/acre. If disease persists, spray at an interval of two weeks.</p> |
| Redgram | Pod borer | Caterpillar bore the flower buds and pods, presence of small circular hole on infested pods, dropping of infested flower buds. If infestation occurs spray 0.5 ml. Indoxacarb 14.5 SC or 0.5 ml chlorantraniliprole 18.5 S.C. during flowering and pod initiation stage. |
| Sugarcane | Trash management | <p>Sugarcane trash can be converted into compost or spread the trash in alternate rows and give irrigation, apply 15 kg urea with 5% cow dung slurry and sprinkle on trash.</p> <p>Application of fluorotous microbes at 5 kg /acre on trash or 1 -1.5 t press mud will enhance the fast degradation of trash.</p> |
| Coconut | Rugose whitefly | <p>The immature and adult whiteflies have a sucking feeding habit, feeding on the under surfaces of the leaflets. Extensive feeding of the insect leads to the excretion of honey dew which encourages growth of the fungus Capnodium sp. which affects the photosynthetic efficiency of the plant.</p> <p>Sooty mould (Capnodium sp.) growth on the leaf surface can be flaked out by spraying 2.5% of maida paste solution mixed with detergent/ Khadi soap @ 5g/l.</p> <p>In severe cases, spray only neem oil 0.5% or NSKE 5% and avoid spraying any form of insecticides.</p> |

- **Due to low temperature in morning and night hours, Maintain the optimum room temperature in Sericulture, Poultry and Dairy unit by providing electric bulb for creating warm room temperature.**
- **Care should be taken that excess moisture is not there in the Vermin-compost pits. Maintain optimum moisture of 60 to 70 per cent in vermin compost pits.**

- Download “**DAMINI**” app to get early warning on lightening and take precautions based on the alert given by the application.
- Kindly download “**MAUSAM**” APP for location specific forecast & warning & “**MEGHDOOT**” APP for Agromet advisory
- This information is available in the website: mausam.imd.gov.in

For any information farmers can contact **Dr.C.Ramachandra**, Senior Farm Superintendent/ **Dr. Sumanth Kumar.G.V**, Research Assoicateover phone No. 0821-259126/ 9535345814.

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