

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



**GRAMIN KRISHI MAUSAM SEWA
AMFU, OFRS, NAGANAHALLI,
MYSURU - 570003**



Date: 19-01-2024

AGRO-ADVISORY BULLETIN FOR MANDYA DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

| Past Weather Data | | | |
|---|-------------------|-------------------|-------------------|
| Parameter | 17.01.2023 | 18.01.2024 | 19.01.2024 |
| Rainfall (mm) | 0 | 0 | 0 |
| Max. Temp. (°C) | 31 | 31.4 | 31.2 |
| Min. Temp. (°C) | 17.6 | 15.5 | 15.8 |
| Sky condition (Octas) | 4 | 6 | 4 |
| Relative humidity (%) 0830 hours | 79 | 86 | 86 |
| Relative humidity (%) 1730 hours | 42 | 48 | 54 |
| Wind Speed (km/h) | 4 | 4 | 0 |
| Wind Direction | 140 | 50 | 0 |

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) | 31 | 31 | 32 | 33 | 32 |
| Min.Temp (°C) | 16 | 16 | 15 | 14 | 14 |
| Sky condition (Octas) | 1 | 1 | 0 | 2 | 2 |
| Relative humidity (%) 0830 hours | 87 | 80 | 81 | 85 | 79 |
| Relative humidity (%) 1730 hours | 36 | 39 | 33 | 27 | 28 |
| Wind Speed (kmph) | 10 | 10 | 12 | 12 | 11 |
| Wind Direction | 115 | 110 | 110 | 110 | 110 |

Forecast Summary

As forecast received from IMD, Cloudy sky with no rainfall may be expected from 20.01.2024 to 24.01.2024 in Mandya district. The day temperature is expected to be 31-33°C & night temperature is expected 14-16°C. The relative humidity in the morning hours is expected to be 79-87% & afternoon relative humidity is expected to be in the range of 27-39% per cent. Wind speed expected to be 10-12 km/ hr.

| Recommendations to the farmers: | | | |
|---|---------------------------------|---|------------------|
| Crop | Pest/Disease | Damage symptoms | Control measures |
| <p>Crops which can be sown in the month of January: Tomato, Brinjal, Chilli, Pumpkin, Cucumber, Bitter guard, Watermelon, Bhendi, Field bean, Raddish, Carrot etc..</p> | | | |
| <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%. | | | |
| <ul style="list-style-type: none"> Farmers are advised to take up the sowing of pulses like black gram, green gram and also the green manure crop sun hemp to utilize residue moisture after harvest of the paddy in Paddy field. In paddy fields where there is no residue moisture, in such fields farmers can take up deep ploughing, so that the soil pathogens will die and in turn it will help to reduce pest incidence for the next paddy crop and which will facilitate conservation of rainwater. | | | |
| 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> | |
| 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.

**AMFU of IMD,
Naganahalli, Mysuru**