

PROFESSOR JAYASHANKAR TELANGANA STATE
AGRICULTURAL UNIVERSITY

Agro Climate Research Centre (ACRC),
Agricultural Research Institute, Rajendranagar, Hyderabad-30.



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WEATHER BASED AGROMET ADVISORIES
FOR TELANGANA STATE

FROM DATE: 01.05.2024(Wednesday) TO 05.05.2024 (Sunday)



Grameen Krishi Mausam Seva (GKMS Project)

INDIA METEOROLOGICAL DEPARTMENT, NEW DELHI.

Weather details of past 3 days:

During last three days, dry weather prevailed over different parts of the State. The maximum and minimum temperatures ranged between 40°C to 43°C and 24°C to 30°C respectively.

Weather forecast for the next 5 days (Based on today's forecast at 1300 hrs):

As per the forecast received from Meteorological Centre, Hyderabad, dry weather very likely to prevail over different parts of the state during next five days. The maximum and minimum temperatures are likely to range between 41°C to 47°C and 22°C to 32°C respectively.

Warnings:

- Day 1: Heat wave conditions likely to prevail at isolated places in Nirmal, Nizamabad, Jagtiyal, Rajanna Sirsilla, Karimnagar, Peddapalli, Mulugu, Khammam, Nalgonda, Suryapet, Mahabubabad, Medak, Kamareddy, Mahabubnagar, Nagarkurnool, Wanaparthy districts of Telangana.
- Day 2: Heat wave conditions likely to prevail at isolated places in Nirmal, Nizamabad, Jagtiyal, Rajanna Sirsilla, Karimnagar, Peddapalli, Mulugu, Khammam, Nalgonda, Suryapet, Mahabubabad, Medak, Kamareddy, Mahabubnagar, Nagarkurnool, Wanaparthy, Narayanpet, Jogulamba Gadwal districts of Telangana.
- Day 3: Heat wave conditions likely to prevail at isolated places in Nirmal, Nizamabad, Jagtiyal, Rajanna Sirsilla, Karimnagar, Peddapalli, Jayashankar Bhupalpally, Khammam, Nalgonda, Suryapet, Mahabubabad, Warangal, Hanamkonda, Mahabubnagar, Nagarkurnool, Wanaparthy, Narayanpet, Jogulamba Gadwal districts of Telangana.
- Day 4: Heat wave conditions likely to prevail at isolated places in Adilabad, Kumarambheem Asifabad, Mancherial, Nirmal, Nizamabad, Jagtiyal, Rajanna Sirsilla, Karimnagar, Peddapalli, Khammam, Nalgonda, Suryapet, Mahabubabad, Warangal, Hanamkonda districts of Telangana.
- Day 5: Heat wave conditions likely to prevail at isolated places in Adilabad, Kumarambheem Asifabad, Mancherial, Nirmal, Nizamabad, Jagtiyal, Rajanna Sirsilla, Karimnagar, Peddapalli, Khammam, Nalgonda, Suryapet, Mahabubabad, Warangal, Hanamkonda, Siddipet, Medak, Kamareddy, Mahabubnagar, Nagarkurnool districts of Telangana.

Weather based Agromet Advisories

- Take up timely control measures against the outbreak of pest and diseases due to high temperatures.
- Farmers are advised to take up summer ploughing. Due to ploughing larvae and pupae exposed to sunlight and destroys the pest and also increases the water holding capacity of the soil.
- Dig the pits for planting of Orchards and expose the pits to the sunlight it destroys the pest and disease inoculums present in the soil.
- Collect and test the soil sample for the soil nutrient status.
- Take up sowing of fodder Jowar and Fodder Maize for green fodder where ever sufficient water is available and Fodder Bajra and Fodder Cowpea in less water available areas.

Crop Management

- Sesamum crop is at pod development to physiological maturity stage. In view of high temperature forecast, irrigate the crop.
- Irrigate the crop at moisture sensitive stage if the available water is less.

Orchard Management

- Irrigate frequently under assured irrigation.
- Stop the irrigation 15 days before harvesting of the Mango fruits.
- In orchard of more than 6 years age, 150-240 litres water/day/tree is required under drip irrigation with organic mulch should be preferred.
- Mulching helps in maintaining the soil moisture for long period. Mulch the soil with paddy straw or locally available organic or inorganic material.
- Two foliar sprays of Potassium nitrate 1% (13-0-45) may also be done during fruit development stage in May.

Vegetable crop Management

- Irrigate the crop frequently to maintain the optimum soil moisture.
- Under drip irrigation, irrigate the vegetable crops during morning or evening hours based on the soil type.
- Use shade net of 50% to reduce the intensity of solar radiation.

Tomato

- Prevailing weather conditions are congenial for the incidence of sucking pests in Tomato. To control, spray Dimethoate @ 2 ml or Acephate @ 1.5 g per litre of water.
- Prevailing dry weather conditions are congenial for the spread of incidence of Tomato Spotted Wilt Virus in Tomato. To control, uproot the affected plants and control Thrips by spraying Dimethoate @ 2 ml or Methyl Demeton @ 2 ml per liter of water.

Chilli

- Prevailing dry weather conditions are congenial for the incidence of Thrips in chillies. To control, spray Acephate @ 1.5g or Fipronil @ 2 ml or Thiamethoxam @ 0.3g or Diafenthiuron @ 1 g per liter of water to reduce the spread of viral diseases.

Cucurbits

- Incidence of sucking pests is noticed in Cucurbits. To control spray Fipronil @ 2 ml or Acephate @ 1.5g per liter of water.

Citrus / Sweet Orange

- Prevailing dry weather conditions are congenial for the incidence of Mangu Mite in Sweet Orange. To control, spray Wettable Sulphur @ 3 g or Dicofol @ 3 ml or Propargite @ 1ml per liter of water.

Mango

- Prevailing weather conditions are congenial for the incidence of Fruit fly in Mango. To control, Hang plastic containers with 200ml of water having Malathion @ 2ml + Methyl Eugenol @ 2 ml per liter of water at marble size fruit development stage.
- Prevailing weather conditions are congenial for the incidence of fruit drop in Mango due to moisture stress. To control, spray 1% Urea or Potassium Nitrate (13-0-45).

Poultry

- Protect the poultry birds by arranging fans and foggers in sheds, cover the sheds with paddy straw and arrange sprinklers.
- Feed poultry birds with wet mash to increase the feed intake and provide cool water for drinking.

Cattle

- In view of high maximum temperature forecast, keep the Animals, Sheep and Goat under shade and feed the animal with proper nutrition and water reduce the heat stress on animal.
- Feed the livestock with green fodder to increase the fat content in the milk during the high maximum temperature.

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