



AGROMET ADVISORY BULLETIN

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14) Weather based Agromet Advisory committee meeting dated 16.04.2024

District: Ahmednagar

| Last Week Weather Summary (09.04.2024 to 15.04.2024) | | | | | | | Weather Parameters | Weather Forecast (17.04.2024 to 21.04.2024) | | | | |
|---|------|------|------|------|------|------|--------------------|--|----|----|----|----|
| 09 | 10 | 11 | 12 | 13 | 14 | 15 | Date | 17 | 18 | 19 | 20 | 21 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | Rainfall (mm) | 7 | 4 | 2 | 0 | 0 |
| 37.2 | 38.2 | 38.2 | 36.6 | 36.8 | 39 | 38 | Max. Temp. (0C) | 42 | 42 | 41 | 41 | 39 |
| 20.1 | 19.9 | 21.9 | 22.4 | 21.3 | 20.9 | 24.4 | Min. Temp. (0C) | 26 | 26 | 25 | 25 | 24 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | Cloud Cover | 4 | 5 | 4 | 3 | 5 |
| 52 | 65 | 56 | 63 | 64 | 60 | 60 | Max. RH (%) | 48 | 55 | 52 | 52 | 58 |
| 16 | 23 | 25 | 28 | 21 | 24 | 28 | Min. RH (%) | 29 | 28 | 27 | 27 | 28 |
| 1.7 | 2.1 | 2.4 | 2.2 | 2.4 | 2.4 | 2.2 | Wind Speed(km/hr) | 14 | 14 | 18 | 19 | 17 |

Agromet Advisory Based on Weather Forecast Prediction

| Crop | Stage | Advisory |
|-------------------------|----------------------------|--|
| Weather Summary | | According to the weather forecast from the Regional Meteorological Center, Mumbai, sky will remain partly cloudy during next five days. There is a possibility of thunderstorm accompanied with very light rain at isolated places during 16 & 17 April and the minimum temperature is likely to rise by 2 to 3 degrees Celsius. |
| General Advisory | | Grass/ crop residues/ polyethylene should be used as mulching to save soil moisture. Farm Workers should avoid working in direct sunlight. The crops should be lightly irrigated as required to ensure that standing crops do not get water stress due to rise in temperature. Irrigation frequency should be increased during critical growth stage of crops. Use "Meghdoot" mobile app for weather based crop advisory. |
| SMS Advisory | | There is a possibility to rise minimum temperature is likely by 2 to 3 degrees Celsius. |
| Sugarcane | Growth Stage | During May month the rate of evaporation increases up to 9.24 mm per day. Sugarcane crop needs 9.33 liters of water per day thus for fulfilling that requirement Drip Irrigation Unit(4liters dripper) need to run for 2 hour and 20 minutes daily. Carry out earthing up of suru sugarcane at the age of 16 to 18 weeks after planting. Give the fertilizer dose of Nitrogen 136 kg (Urea 295 kg), Phosphorus 85 kg (Single Super Phosphate 531 kg) and Potash 85 kg (Murate of Potash 142 kg) per hector before earthing up of Sugarcane. |
| Summer Groundnut | Pod formation stage | Groundnut crop should not be exposed to water stress during pod formation stage (65 to 70 days). If water available give protected irrigation as per need. Leaf-eating larvae have been found in some places in groundnut crop. For control, spray Chlorpyrifos 20 ml per 10 liters of water in a clean environment. |
| Pearlmillet | Grain Development | Give application of DAP (18:46:00) or Spray 19:19:19 soluble fertilizer 60 and 65 days after sowing 2% solution at 20 gm/liter of water during clear weather condition. Control the blister bittles insect on pearl millet crop by undertake the dusting of Methyl Parathion 2% wp @ 8 kg per acre. (Considering rainfall forecast after 08 th May 2023 or during clear weather). |



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| | | |
|--------------------|--|---|
| Vegetables | | Newly planted seedlings should be shaded. Arrangements should be made on the side of the field, on the embankment, to prevent obstruction of hot winds. |
| Fruit crops | | Newly planted orchard seedlings should be protected from the heat. Also drip irrigation should use for irrigation. |
| Animals | | Keep animals in shade and give them plenty of clean and cold water to drink. Do not make them work between 11 am to 4 pm. Give them green grass, protein-fat bypass supplement, mineral mixture and salt. Make them graze during cooler hours. Cover the shed roof with straw, Also, paint the walls white or plaster with dung-mud to reduce temperature. |
| Poultry | | Provide curtains and proper ventilation in poultry house. Also, paint the walls white or plaster with dung-mud to reduce temperature. |

Source:

- 1) Weather Forecast : RMC, Mumbai
2) Last week weather summary : College of Agriculture, Dhule.

Place : MPKV, Rahuri
Date : 16.04.2024

Sd/-
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