



AGROMET ADVISORY BULLETIN
GRAMIN KRISHI MAUSAM SEWA, AMFU, KOLHAPUR
ZONAL AGRICULTURAL RESEARCH STATION,
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Weather based Agromet Advisory committee meeting dated 21.01.2025

District: SATARA

| Last Week Weather Summary (15.01.2025 to 21.01.2025) | | | | | | | Weather Parameters | Weather Forecast (22.01.2025 to 26.01.2025) | | | | |
|---|----|----|----|----|----|----|--------------------|--|----|----|----|-----|
| 15 | 16 | 17 | 18 | 19 | 20 | 21 | Date | 22 | 23 | 24 | 25 | 26 |
| - | - | - | - | - | - | - | Rainfall (mm) | 0 | 0 | 0 | 0 | 0 |
| - | - | - | - | - | - | - | Max. Temp. (°C) | 32 | 30 | 31 | 33 | 33 |
| - | - | - | - | - | - | - | Min. Temp. (°C) | 15 | 17 | 15 | 14 | 14 |
| - | - | - | - | - | - | - | Cloud Cover | 0 | 3 | 2 | 0 | 1 |
| - | - | - | - | - | - | - | Max. RH (%) | 80 | 84 | 80 | 84 | 79 |
| - | - | - | - | - | - | - | Min. RH (%) | 33 | 35 | 27 | 31 | 27 |
| - | - | - | - | - | - | - | Wind Speed(km/hr) | 3 | 3 | 3 | 4 | 3 |
| - | - | - | - | - | - | - | Wind Direction | E | E | E | E | ESE |

Agromet Advisory Based on Weather Forecast Prediction

| Crop | Stage | Advisory |
|-------------------------------|---------------------------------|---|
| Weather Summary/ Alert | | Weather forecast given by Regional Meteorological Centre, Mumbai has indicated that there is forecast of mainly clear sky from 22 nd to 26 th January, 2025 in Satara district. During next 5 days Maximum temperature will remain nearly between 30.0 to 33.0°C. During next 3 days the minimum temperature will remain from 15 to 17°C and further next 2 days minimum temperature will decrease by 2°C and decrease upto 14.0°C. Morning relative humidity will remain nearby 59 to 78 % and Afternoon relative humidity will remain nearby 30 to 38 %. Wind speed will remain between 03 to 04 km per hour. |
| General Advisory | | <ul style="list-style-type: none"> ➤ Give irrigation to fruit crops during night time for maintaining temperature in orchard. ➤ Carry out mulching to fruit orchards for maintaining soil moisture in Orchards. ➤ Give irrigation to rabbi crop like Wheat, Chickpea and Sorghum as per their requirement. |
| SMS Advisory | | <ul style="list-style-type: none"> ➤ Carry out spraying of 19:19:19 water soluble fertilizer @ 200 gram per 10 liters of water after 70 days of sowing of Wheat crop. |
| Groundnut | Sowing | <ul style="list-style-type: none"> ➤ Carry out sowing of Groundnut upto 15th February only if there is availability of irrigation facility. ➤ Use Phule Unnati, TAG-24, T.G.-26, T.P.J. 41 and J.L.501 varieties for sowing ➤ Spacing: 30x10 cm, Seed rate: 100 to 120 kg/ha ➤ Seed treatment: Carry out seed treatment by applying Mancozeb @2.5 gram or Trichoderma @ 4 gram per kg of seed. ➤ After fungicide seed treatment carry out seed treatment with Rhizobium @ 25 gram and Phosphorus Solubilizing Bacteria @ 25 gram per kg of seed. ➤ Fertilizer dose: Give fertilizer dose of Nitrogen @ 25 kg, Phosphorus @ 50 kg at the time of sowing of Groundnut crop. Give phosphorus through Single Super phosphate. Give first dose of Gypsum @ 125 kg per hecter. ➤ Soils with deficiency of micronutrient like Zinc and Boron should be applied 25 kg Zinc Sulphate and 5 kg Borax with Organic manures before sowing once in 2 year. |
| Chick pea | Flowering to pod filling | <ul style="list-style-type: none"> ➤ For control of gram pod borer install bird perches into chickpea crop and install 5 pheromone traps per hecter. ➤ For control of gram pod borer take the spray of Heliokill 500 ml per 500 liter of water per hecter. |
| Wheat | Flowering to milking | <ul style="list-style-type: none"> ➤ Apply irrigation to Wheat crop at 60 to 65 days after sowing of crop during flowering to milking stage. ➤ Due to partially cloudy weather there is possibility of rust thus to control spray the crop with Mancozeb @1.5 kg per 500 liters of water. |
| Rabbi Jowar | Flowering | <ul style="list-style-type: none"> ➤ For irrigated Sorghum apply 3rd irrigation at 70 to 75 days after sowing during flowering stage of crop and 4th irrigation at 90 to 95 days after sowing during grain filling stage of crop. |
| Sugarcane | Adsali | <ul style="list-style-type: none"> ➤ During January month the rate of evaporation increases up to 4.07 mm per day thus to fulfill this |



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| | | |
|-------------------|---------------------------------------|---|
| | Sugarcane | requirement Sugarcane crop needs 2.24 liters of water per day so to meet this water requirement Drip Irrigation Unit require to run for 34 minutes daily. ➤ For the adsali sugarcane at the formative stage, apply fertilizers at the rate of 160 kg nitrogen (347 kg urea) (7.71 bags), 85 kg phosphorus (531 kg single superphosphate) (11.8 bags), and 85 kg potash (142 kg muriate of potash) (3.16 bags) per hectare. For the Co 86032 sugarcane variety, increase the chemical fertilizer dosage by 25%. |
| Mango | Flowering | ➤ Due to cloudy weather in last week there is incidence of Powdery mildew on Mango crop thus to control spray the crop with Sulphur 80 % WP 25 gram per 10 liters of water. |
| Strawberry | Fruit maturity | ➤ Give irrigation after every 2 to 3 days through drip according to soil type. |
| Tomato | Flowering to fruit development | ➤ Due to high humidity during morning hours there is possibility of Blight on Tomato. To control spray the crop with Azoxistrobin 10 ml per 10 liters of water. |
| Turmeric | Maturity | ➤ Carry out harvesting of crop according varieties and after completion of the crop duration at maturity stage. Stop irrigating crop 15to 20 days before harvesting of matured crop according to soil type. |
| Okra | Flowering to fruit development | ➤ For control of Fruit Borer in Okra take the spray of Deltamethrin 2.8%EC 8 ml or Lambda Cyhalothrin 5% E.C. 6 ml per 10 liters of water. ➤ Use 10 Trichocards per hector. |
| Ginger | Maturity | ➤ Carry out harvesting of matured rhizomes as per the market demand. Wash the harvested rhizomes with water and keep at safe place. |
| Animals | Growth | ➤ Keep cattle's inside the sheds during night and provide dry bedding to protect them from cold. ➤ Increase protein level and minerals in the feed concentrate to keep the animals healthy to cope up with the cold condition. ➤ Do not keep cattle/goat in the open during night time. |

Source:

1) Weather Forecast : Research Section, Mumbai

Place : ZARS, KOLHAPUR

Date : 21.01.2025

Sd/-
Nodal Officer, GKMS, &
Associate Director of Research,
ZARS, Kolhapur