



# AGROMET ADVISORY BULLETIN

## GRAMIN KRISHI MAUSAM SEWA, AMFU, KOLHAPUR

### ZONAL AGRICULTURAL RESEARCH STATION, SHENDA PARK, KOLHAPUR



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### Weather based Agromet Advisory committee meeting dated 25.04.2025

District: KOLHAPUR

| Last Week Weather Summary<br>(19.04.2025 to 25.04.2025) |      |      |      |                                |      |      | Weather<br>Parameters | Weather Forecast<br>(26.04.2025 to 30.04.2025) |    |    |    |    |
|---|------|------|------|--------------------------------|------|------|-----------------------|--|----|----|----|----|
| 19  | 20   | 21   | 22   | 23                             | 24   | 25   | Date                  | 26   | 27 | 28 | 29 | 30 |
| 0.0   | 0.0  | 0.0  | 0.0  | 13.8                           | 1.0  | 8.0  | Rainfall (mm)         | 12   | 13 | 6  | 2  | 0  |
| 38.0  | 37.2 | 37.4 | 36.5 | 40.0                           | 38.2 | 35.5 | Max. Temp. (°C)       | 35   | 34 | 35 | 35 | 36 |
| 23.5  | 22.6 | 23.4 | 24.2 | 21.2                           | 22.6 | 22.7 | Min. Temp. (°C)       | 23   | 23 | 23 | 22 | 22 |
| 4   | 4    | 5    | 0    | 0                              | 0    | 8    | Cloud Cover           | 4  | 5  | 3  | 3  | 1  |
| 2   | 6    | 2    | 5    | 0                              | 0    | -    |                       |  |    |    |    |    |
| 86  | 85   | 75   | 81   | 78                             | 89   | 93   | Max. RH (%)           | 94   | 93 | 92 | 94 | 95 |
| 36  | 34   | 40   | 40   | 38                             | 38   | 54   | Min. RH (%)           | 53   | 55 | 53 | 52 | 53 |
| 2.8   | 3.0  | 2.6  | 3.2  | 2.8                            | 3.7  | 2.9  | Wind Speed(km/hr)     | 3  | 3  | 4  | 5  | 7  |
| SW  | WSW  | ENE  | SSE  | NW                             | W    | W    | Wind Direction        | WNW  | N  | W  | W  | W  |
| WNW   | NE   | NE   | ENE  | WSW                            | WSW  | -    |                       |  |    |    |    |    |
| Rainfall last week                                      |      |      |      | Rainfall since 01.01.2025 (mm) |      |      |                       | Rainy days since 01.01.2025                    |    |    |    |    |
| 22.8  |      |      |      | 29.4                           |      |      |                       | 5  |    |    |    |    |

### Agromet Advisory Based on Weather Forecast Prediction

| Crop                    | Stage | Advisory   |
|-------------------------|-------|--|
| <b>Weather Summary</b>  |       | Weather forecast given by Regional Meteorological Centre, Mumbai has indicated that there is forecast of generally cloudy sky on 26 <sup>th</sup> and 27 <sup>th</sup> April, partially cloudy sky on 28 <sup>th</sup> and 29 <sup>th</sup> April and forecast of mainly clear sky on 30 <sup>th</sup> April in Kolhapur district. <b>There is forecast of light rainfall at isolated places in Kolhapur district on 26<sup>th</sup>, 27<sup>th</sup>, 28<sup>th</sup> and 29<sup>th</sup> April. During next 5 days Tmax may remain between 34.0 to 36.0°C. During next 5 days the minimum temperature may remain between 22.0 to 23.0°C.</b> Morning relative humidity will remain nearby 92 to 95% and Afternoon relative humidity will remain nearby 52 to 55%. Wind speed will remain between 3 to 7 kmhr <sup>-1</sup> .   |
| <b>ERFS</b>             |       | According to Extended Range Forecast (ERF) in Madhya Maharashtra Sub Division rainfall will remain above Normal, maximum temperature will remain below Normal and minimum temperature will remain Normal valid from 30 <sup>th</sup> April to 6 <sup>th</sup> May, 2025  |
| <b>Weather warning</b>  |       | <b>Thunderstorm accompanied with lightning, gusty winds (50- 60kmph), hail at isolated places Ghats of KOLHAPUR, KOLHAPUR on 25<sup>th</sup> April</b>   |
|                         |       | Thunderstorm accompanied with lightning, light to moderate rainfall & gusty winds (30-40kmph) at isolated places in KOLHAPUR on 26 <sup>th</sup> April   |
|                         |       | Thunderstorm accompanied with lightning, light to moderate rainfall & gusty winds (30-40kmph) at isolated places on Ghats of KOLHAPUR, KOLHAPUR on 27 <sup>th</sup> April  |
| <b>General Advisory</b> |       | <ul style="list-style-type: none"> <li>➤ Carry out harvesting of matured crop, carry out threshing and keep the harvested and threshed produce at safe place as there is forecast of light rainfall from on 25<sup>th</sup>, 26<sup>th</sup> and 27<sup>th</sup> April (Sunflower, Sorghum and Onion)</li> <li>➤ Farmers should take care of themselves and their cattles as there is warning of thunderstorm, lightening with rainfall on 25<sup>th</sup>, 26<sup>th</sup> and 27<sup>th</sup> April</li> <li>➤ <b>Use hail nets for Mango, Banana, Watermelon and Tomato crop as there is possibility of hail on 25<sup>th</sup> April</b></li> <li>❖ <b>Care should be taken by farmers during thunderstorm and lightening</b> <ul style="list-style-type: none"> <li>➤ In view of thunderstorm accompanied with gusty winds, provide mechanical support to orchards, staking in vegetables.</li> <li>➤ If farmers are in the field and can't find any shelter, avoid the tallest object in the area. If only isolated trees are nearby, best protection is to crouch in the open.</li> </ul> </li> </ul> |



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|                     |                          |   |
|---------------------|--------------------------|---|
|                     |                          | <ul style="list-style-type: none"> <li>➤ Keep animals away from open water, pond or river.</li> <li>➤ Keep animals away from tractors and other metal farm equipment.</li> <li>➤ Cover the harvested produce (if in the field) with polythene sheet.</li> <li>➤ Avoid contact with electrical equipment or cords.</li> <li>➤ Don't allow your animals to congregate under trees.</li> </ul>   |
| <b>SMS Advisory</b> |                          | Farmers should download "Meghdoot" android application on mobile for Agromet Advisory Services and "Damini" android application for forecast of lightening.   |
| <b>Sunflower</b>    | <b>Maturity</b>          | ➤ Carry out harvesting of matured Sunflower crop and keep the harvested produce at safe place as rainfall is forecasted.  |
| <b>Groundnut</b>    | <b>Pod development</b>   | ➤ For fulfilling the deficiency of micronutrients in standing crop spray the crop with 0.5% Fe and 0.2% Zinc Sulphate mixture at 50 and 70 days after sowing when there is no rainfall.   |
| <b>Sugarcane</b>    | <b>Establishment</b>     | <ul style="list-style-type: none"> <li>➤ At the time of earthing up of Suru Sugarcane give fertilizer dose of 100 kg Nitrogen (217 kg Urea), 55 Kg Phosphorus (344 kg Single Super Phosphate) and 55 Kg Potash ( Murate of Potash).</li> <li>➤ Give fertilizer dose when there is no rainfall or after 28<sup>th</sup> April</li> </ul>   |
| <b>Mango</b>        | <b>Fruit development</b> | <ul style="list-style-type: none"> <li>➤ Carry out harvesting of mango fruit at 80 to 85% maturity stage. Harvesting should be done with help of nutan mango harvester keep the harvested fruits at safe place as rainfall is forecasted.</li> <li>➤ Keep the harvested fruits in shade to prevent development of spongy tissue and from heat. Transport of matured fruit should be done during night. Do not spray the plant with any type of fungicide or insecticide at least 8 days before harvesting of fruit.</li> <li>➤ <b>There is forecast of hails thus to protect Mango fruits use hailnets to the Mango Orchard.</b></li> </ul> |
| <b>Tomato</b>       | <b>Growth</b>            | <ul style="list-style-type: none"> <li>➤ Carry out staking to Tomato plants to prevent lodging of plant as there is forecast of thunderstorm accompanied with lightning, light to moderate rainfall &amp; gusty wind.</li> <li>➤ <b>There is forecast of hails thus to protect Tomato fruits use hailnets to the Tomato crop</b></li> </ul>   |
| <b>Banana</b>       | <b>Fruit development</b> | <ul style="list-style-type: none"> <li>➤ There is forecast of rainfall thus carry out harvesting of matured bunches and keep the harvested bunches at safe place</li> <li>➤ Due to rainfall and gusty wind there is possibility of lodging of Banana plants thus carry out staking to plants to avoid lodging</li> <li>➤ <b>There is forecast of hails thus to protect Banana bunches from hail damage use hailnets to the Banana Orchard</b></li> </ul>  |
| <b>Onion</b>        | <b>Maturity</b>          | <ul style="list-style-type: none"> <li>➤ Carry out harvesting of Onion as early as possible and keep the harvested produce at safe place.</li> <li>➤ If is not possible to keep Onions at safe place then Cover the collected onions with polythene sheets.</li> </ul>  |
| <b>Watermelon</b>   | <b>Fruit development</b> | ➤ <b>There is forecast of hails thus to protect Watermelon fruits from hail damage use hailnets to the Watermelon crop</b>  |
| <b>Animals</b>      | <b>Growth</b>            | <ul style="list-style-type: none"> <li>➤ Do not allow animals for grazing during warning period.</li> <li>➤ Keep the animals at safe place as there is possibility of thunderstorm, lightening and light to moderate rainfall.</li> </ul>   |

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- 1) Weather Forecast : Research Section, Mumbai  
2) Last week weather summary : IMD observatory (ZARS,KOLHAPUR)

**Place : ZARS, KOLHAPUR**

**Date : 25.04.2025**

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