



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 13.04.2026

District: KOLHAPUR

Last Week Weather Summary (07.04.2026 to 13.04.2026)							Weather Parameters	Weather Forecast (14.04.2026 to 18.04.2026)				
07	08	09	10	11	12	13	Date	14	15	16	17	18
0.0	0.0	0.0	0.0	0.0	0.0	0.0	Rainfall (mm)	0	0	0	0	0
34.0	34.4	35.8	35.4	36.8	38.6	39.4	Max. Temp. (°C)	39	39	40	40	39
17.4	19.6	20.0	20.4	22.6	21.5	23.4	Min. Temp. (°C)	24	24	25	25	24
0	0	0	0	0	0	0	Cloud Cover	0	0	0	1	2
3	5	0	0	3	4	0						
76	79	75	72	72	68	78	Max. RH (%)	79	82	85	79	75
44	37	40	40	36	34	31	Min. RH (%)	27	23	23	23	24
2.0	2.5	2.2	2.8	3.5	2.7	1.8	Wind Speed(km/hr)	6	3	6	5	5
W	WNW	NW	N	NW	NE	SW	Wind Direction	WSW	WSW	SW	WSW	WSW
SW	NW	N	NW	N	NW	NE						
Rainfall last week				Rainfall since 01.01.2026 (mm)				Rainy days since 01.01.2026				
0.0				62.6				4				

Agromet Advisory Based on Weather Forecast Prediction

Crop	Stage	Advisory
Weather Summary		Weather forecast given by Regional Meteorological Centre, Mumbai has indicated that there is forecast mainly clear sky from 14 th to 18 th April in Kolhapur district. During next 5 days Tmax. may remain between 39.0 to 40.0°C, the minimum temperature may remain nearby 24.0 to 25.0°C. Morning relative humidity will remain nearby 75 to 85% and Afternoon relative humidity will remain nearby 23 to 27%. Wind speed will remain between 03 to 06 kmhr ⁻¹ .
ERFS		According to the Extended Range Forecast (ERF) for the Madhya Maharashtra Sub-Division, there is forecast of no rainfall, Maximum temperatures are expected to remain normal, while minimum temperatures are likely to remain normal during the period from 12 th to 18 th April, 2026.
General Advisory		General Self-Care Advisory for Farmers (Hot Conditions) <ul style="list-style-type: none"> ➤ Avoid working in the field during peak heat hours (12:00 PM to 4:00 PM) ➤ Wear light, loose, and cotton clothing ➤ Use a cap or cloth to cover the head ➤ Drink plenty of water, buttermilk, lemon water, or ORS ➤ Do not work continuously under direct sunlight; take frequent breaks in shade ➤ If you feel dizziness, headache, or weakness, take rest immediately in a cool place ➤ Sprinkle water on the body or wash face frequently to reduce heat stress ➤ Avoid alcohol consumption (it increases heat stress) ➤ Proper self-care during hot and humid weather helps prevent heat stress and health problems.
SMS Advisory		➤ There is possibility of increase in maximum temperature thus evaporation rate will increase thus to fulfill the crop water requirement irrigate the crop as per their requirement
Maize	Vegetative	➤ Due to hot condition increase in evapotranspiration thus crop may suffer water stress thus Avoid water stress to crop ➤ Apply light and frequent irrigation to maintain soil moisture particularly during Morning or Evening hours
Sunflower	Maturity	➤ Carry out harvesting of matured Sunflower crop and keep the harvested produce at safe place as rainfall is forecasted.
Tomato	Growth	Tomato crop is sensitive to heat. Hot condition will result in Flower drop Poor pollination → low fruit set, Leaf wilting during daytime further Result in Reduced yield, Cracking of fruit and sunscald. To avoid it take following control measures. <ul style="list-style-type: none"> ➤ Provide light and frequent irrigation ➤ Use shade nets if possible





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		<ul style="list-style-type: none"> ➤ Monitor for leaf spots and rotting diseases and take necessary control measures
Sugarcane	Vegetative	<ul style="list-style-type: none"> ➤ Due to hot condition evapotranspiration rate goes increase and crop suffer stress which affect further growth and then yield thus Apply light and frequent irrigation to maintain soil moisture ➤ Use mulching to reduce evaporation losses ➤ Carry out mulching to maintain moisture in the soil
Mango	Fruit development	<p>To protect Mango crop from heat use following control Measures</p> <p>Irrigation Management</p> <ul style="list-style-type: none"> • Provide light and frequent irrigation, Avoid water stress, Maintain uniform soil moisture <p>Mulching</p> <ul style="list-style-type: none"> • Apply organic mulch (straw, dry leaves), Reduces evaporation and keeps root zone cool <p>Canopy Management</p> <ul style="list-style-type: none"> • Maintain proper aeration, Avoid overcrowding of branches <p>Protection from Heat</p> <ul style="list-style-type: none"> • Use shade net (if feasible) <p>Important Tip</p> <ul style="list-style-type: none"> • Avoid spraying during peak heat (12–4 PM) Monitor orchard regularly for early disease symptoms
Coconut	Growth	<ul style="list-style-type: none"> ➤ There is possibility of increase in intensity of solar radiation thus give shade with help of shade net to protect the plant from high intensity of sunlight.
Animals	Growth	<p>Measures for protection of cattle's from heat...</p> <ul style="list-style-type: none"> ➤ Buffalos having very low sweat glands and their skin is black coloured thus they get more trouble due to increased temperature so allow Buffaloes for wallowing during summer season. ➤ Keep the cattle's under shade. If possible sprinkle water 4 to 5 times through out day. ➤ Provide sufficient, pure and cool water for drinking to animals. Give protein rich green fodder and mineral mixture to animals. ➤ If possible use fans in cattle shed ➤ Do not allow animals for grazing during afternoon hours.
Poultry Bird	Growth	<p>Measures for protection of Poultry Bird from heat...</p> <p>Housing Management</p> <ul style="list-style-type: none"> • Ensure proper ventilation (fans, open sides) • Use foggers / sprinklers if available • Provide cool roof (white paint / thatch) <p>Water Management</p> <ul style="list-style-type: none"> • Provide cool, clean water continuously • Add electrolytes + vitamin C <p>Feeding Management</p> <ul style="list-style-type: none"> • Feed during early morning / late evening • Avoid feeding during hot hours <p>Litter Management</p> <ul style="list-style-type: none"> • Keep litter dry and clean • Avoid moisture accumulation <p>Heat Reduction</p> <ul style="list-style-type: none"> • Reduce stocking density, Provide shade around poultry shed
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Source:

1) Weather Forecast

: Research Section, Mumbai



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2) Last week weather summary : IMD observatory (ZARS,KOLHAPUR)

Place : ZARS, KOLHAPUR

Date : 13.04.2026

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