



AGROMET ADVISORY BULLETIN

GRAMIN KRISHI MAUSAM SEWA, AMFU, KOLHAPUR

ZONAL AGRICULTURAL RESEARCH STATION, SHENDA PARK, KOLHAPUR



Ph. No. 0231 2692416

E-mail: adrkolhapur@rediffmail.com

Weather based Agromet Advisory committee meeting dated 05.12.2025

District: KOLHAPUR

Last Week Weather Summary (29.11.2025 to 05.12.2025)							Weather Parameters	Weather Forecast (06.12.2025 to 10.12.2025)				
29	30	01	02	03	04	05	Date	06	07	08	09	10
0.0	0.0	0.0	0.0	0.0	0.0	0.0	Rainfall (mm)	0	0	0	0	0
30.0	28.8	29.5	29.4	29.0	30.4	28.5	Max. Temp. (°C)	28	29	29	29	28
13.7	13.0	15.0	15.5	15.7	18.2	19.5	Min. Temp. (°C)	20	19	18	16	15
0	0	0	0	4	8	8	Cloud Cover	7	5	2	0	0
0	0	0	0	0	8	8						
68	65	73	81	86	80	89	Max. RH (%)	80	68	64	49	52
40	51	50	53	57	66	66	Min. RH (%)	62	53	48	41	42
4.4	3.5	3.1	3.7	2.7	3.1	2.9	Wind Speed(km/hr)	13	12	9	9	10
E	E	S	W	ESE	E	E	Wind Direction	E	E	ENE	EN	ENE
NNE	NE	NNE	NE	NE	SE	SE						
Rainfall last week				Rainfall since 01.01.2025 (mm)				Rainy days since 01.01.2025				
0.0				1369.6				95				

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 of cloudy sky on 6 th and 7 th December and forecast of mainly clear sky on 8 th , 9 th and 10 th December in Kolhapur district. During next 5 days Tmax may remain between 28.0 to 29.0°C. During next 5 days the minimum temperature may remain nearby 15.0 to 20.0°C. Morning relative humidity will remain nearby 49 to 80% and Afternoon relative humidity will remain nearby 41 to 61%. Wind speed will remain between 9 to 13 kmhr ⁻¹ .
ERFS		According to Extended Range Forecast (ERF) in Madhya Maharashtra Sub Division there will be no rainfall, maximum temperature will remain moderately below normal and minimum temperature will remain below normal valid from 10 th to 16 th December, 2025
General Advisory		<p>Due to the increasing cold, citizens should take the following precautions:</p> <ul style="list-style-type: none"> ➤ Take special care of elderly people and young children. ➤ Stay indoors as much as possible and avoid unnecessary travel. ➤ Wear sweaters, mufflers, ear caps, socks, and gloves. ➤ Regularly consume warm beverages. ➤ Stay updated on weather conditions by listening to the radio, watching TV, or reading newspapers. <p>As the intensity of cold increased farmers should take care of their crop in following way</p> <ul style="list-style-type: none"> ➤ To protect the crop from cold, provide light irrigation in the evening. ➤ Cover banana bunches with perforated polyethylene bags. ➤ Harvest workers should take special care. Avoid working early in the morning during cold warnings, if possible
SMS Advisory		➤ There is possibility of drop in minimum temperature by 2 to 3°C in upto 10 th December thus farmers should take care of themselves and their cattles
Wheat	Beginning of tillering	<ul style="list-style-type: none"> ➤ If an infestation of aphids is observed on wheat crops (10 nymphs or adult aphids per branch per plant), for their control using biological components, apply Metarhizium anisopliae 1.15 WP at 40 grams or Verticillium lecanii 1.15 WP at 40 grams per 10 liters of water. Two sprays should be conducted at an interval of 10 to 15 days. ➤ Due to the cloudy weather there is possibility of incidence of Rust on Wheat plant. To control rust spray the crop with Mancozeb @ 1.5 kg by mixing in 500 liters of water per hectore.
Rabbi Sorghum	Vegetative	<ul style="list-style-type: none"> ➤ The temperature dropped below 15°C thus the incidence of aphids is observed in some parts. ➤ Nymphs and Adults of Aphids sucks the sap from leaves and excretes honey like sugary substance



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		<p>on leaves thus black mould develops on this substance (Sticky/Sugary disease) which alters the food formation of plants and results in decrease in yield of crop.</p> <ul style="list-style-type: none"> ➤ For control use yellow sticks traps @ 4 per hectare and if infestation noticed spray the crop with 5% Neem Seed Kernel Extract @ 5ml per liter of water.
Chick Pea	Vegetative	<ul style="list-style-type: none"> ➤ Chick pea crop is very sensitive to the excess irrigation, as excess irrigation causes wilting of plants. With the use of Sprinkler irrigation we can give irrigation as per the requirement of the crop and at any time which also maintain <i>vafasa</i> condition in soil which further leads to increase in crop yield thus Give irrigation to Chickpea crop through Sprinkler irrigation.
Sugarcane	Growth	<ul style="list-style-type: none"> ➤ December Rate of evaporation increases to 3.63 mm/day thus Sugarcane needs 2.17 liters water per day so to fulfill this water requirement Drip Irrigation Unit require to run for 33 minutes daily.
Mango	New flush	<ul style="list-style-type: none"> ➤ Due to partially cloudy weather at some places during the previous week, for the biological control of hoppers on mango, mix <i>Metarhizium anisopliae</i> 1.15% WP (1×10^9 spores per gram) at the rate of 50 g per 10 liters of water and spray. ➤ Apply the first spray before flowering, and if required, 2 to 4 sprays at weekly intervals during the flowering stage.
Tomato	Fruit development	<ul style="list-style-type: none"> ➤ There is forecast of Tmax. between 25 to 32°C thus there is possibility of increase infestation of Fruit Borer on Tomato thus to control spray to control spray the crop with Novaluron 10% E.C. or Chlorantraniliprole 18.5% S.C. 3 ml per 10 liter of water.
Brinjal	Fruit development	<ul style="list-style-type: none"> ➤ Due to fluctuations in maximum and minimum temperatures during the past week, as well as high humidity in the air, an infestation of fruit and shoot borer has been observed in brinjal. Initially, the larva bores into the tender shoots when the plant has no fruits and feeds on the inner tissues, causing the shoots to dry up. Later, after fruit formation, the larvae bore into the fruits and feed inside, rendering the fruits unfit for market sale. ➤ The pest can cause 40–50% damage to the fruits. ➤ For control: About 20 days after planting, if damaged shoots and fruits are noticed, they should be collected and destroyed or buried in a deep pit. Spray 5% neem seed extract or Spinetoram 11.70 SC @ 5–7 ml, or Chlorpyrifos 20% EC @ 20 ml, or Spinosad 45% SC @ 4 ml per 10 litres of water using a hand sprayer. ➤ Install 40 pheromone traps (funnel type) per acre in the field for monitoring and management of the shoot and fruit borer.
Okra	Fruit development	<ul style="list-style-type: none"> ➤ Due to cloudy and humid weather in last week there is incidence of Powdery mildew on Okra thus to control spray crop with Carbendazim 10 gram or Hexaconazole 10 ml per 10 liters of water.
Onion	Bulb Development	<ul style="list-style-type: none"> ➤ Due to cloudy and humid weather in last week the incidence of Blight is observed on Onion thus to control spray the crop with Difenconazole 25% E.C. 10 ml per 10 liters of water.
Animals	Growth	<ul style="list-style-type: none"> ➤ 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.
Poultry	Growth	<ul style="list-style-type: none"> ➤ There is forecast of Tmin to remain 15.0 to 20.0°C thus to protect poultry bird from cold keep the poultry shed warm particularly during night and early in morning.
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Source:

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

Place : ZARS, KOLHAPUR

Date : 05.12.2025

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



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