



**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 21.01.2025**

**District: KOLHAPUR**

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
0.0	0.0	0.0	0.0	0.0	0.0	0.0	<b>Rainfall (mm)</b>	0	0	0	0	0
32.0	31.0	32.0	31.5	31.2	31.5	31.5	<b>Max. Temp. (°C)</b>	31	31	30	32	33
18.0	18.0	18.0	18.0	16.2	15.8	15.5	<b>Min. Temp. (°C)</b>	20	22	20	19	20
1	3	2	2	1	1	0	<b>Cloud Cover</b>	0	3	2	0	1
2	6	4	1	0	0	1						
90	90	81	81	85	88	92	<b>Max. RH (%)</b>	75	78	79	71	69
85	50	49	71	68	61	60	<b>Min. RH (%)</b>	43	43	36	39	34
1.5	1.8	2.0	1.7	1.9	1.6	1.3	<b>Wind Speed(km/hr)</b>	6	5	5	7	6
ESE	ENE	NE	NE	N	S	SE	<b>Wind Direction</b>	ENE	E	E	E	E
NE	NE	SE	ENE	NE	SE	NE						
Rainfall last week				Rainfall since 01.01.2025 (mm)			Rainy days since 01.01.2025					
0.0				0.0			0					

**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 mainly clear sky from 22 <sup>nd</sup> to 26 <sup>th</sup> January, 2025 in Kolhapur district. During next 5 days Maximum temperature will remain nearly between 30.0 to 33.0°C. During next 5 days <b>the minimum temperature will remain from 19 to 22°C</b> . Morning relative humidity will remain nearby 69 to 79 % and Afternoon relative humidity will remain nearby 34 to 43 %. Wind speed will remain between 5 to 7 kmhr <sup>-1</sup> .
<b>General Advisory</b>		<ul style="list-style-type: none"> <li>➤ Give irrigation to fruit crops during night time for maintaining temperature in orchard.</li> <li>➤ Carry out mulching to fruit orchards for maintaining soil moisture in Orchards.</li> <li>➤ Give irrigation to rabbi crop like Wheat, Chickpea and Sorghum as per their requirement.</li> </ul>
<b>SMS Advisory</b>		<ul style="list-style-type: none"> <li>➤ 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.</li> </ul>
<b>Groundnut</b>	<b>Sowing</b>	<ul style="list-style-type: none"> <li>➤ Carry out sowing of Groundnut upto 15<sup>th</sup> February only if there is availability of irrigation facility.</li> <li>➤ Use Phule Unnati, TAG-24, T.G.-26, T.P.J. 41 and J.L.501 varieties for sowing</li> <li>➤ Spacing: 30x10 cm, Seed rate: 100 to 120 kg/ha</li> <li>➤ Seed treatment: Carry out seed treatment by applying Mancozeb @2.5 gram or Trichoderma @ 4 gram per kg of seed.</li> <li>➤ After fungicide seed treatment carry out seed treatment with Rhizobium @ 25 gram and Phosphorus Solubilizing Bacteria @ 25 gram per kg of seed.</li> <li>➤ 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 hectore.</li> <li>➤ 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.</li> </ul>
<b>Chickpea</b>	<b>Flowering to pod filling</b>	<ul style="list-style-type: none"> <li>➤ For control of gram pod borer install bird perches into chickpea crop and install 5 pheromone traps per hectore.</li> <li>➤ For control of gram pod borer take the spray of Heliokill 500 ml per 500 liter of water per hectore.</li> </ul>
<b>Wheat</b>	<b>Flowering to milking</b>	<ul style="list-style-type: none"> <li>➤ Apply irrigation to Wheat crop at 60 to 65 days after sowing of crop during flowering to milking stage.</li> <li>➤ 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.</li> </ul>
<b>Rabbi</b>	<b>Flowering</b>	<ul style="list-style-type: none"> <li>➤ For irrigated Sorghum apply 3<sup>rd</sup> irrigation at 70 to 75 days after sowing during flowering stage of</li> </ul>



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<b>Jowar</b>		crop and 4 <sup>th</sup> irrigation at 90 to 95 days after sowing during grain filling stage of crop.
<b>Sugarcane</b>	<b>Adsali Sugarcane</b>	<ul style="list-style-type: none"><li>➤ During January month the rate of evaporation increases up to 4.07 mm per day thus to fulfill this 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.</li><li>➤ 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%.</li></ul>
<b>Chilli</b>	<b>Flowering</b>	<ul style="list-style-type: none"><li>➤ The incidence of White fly is observed in some parts. The Larva and adults sucks the sap from leaves thus it affects crop yield. These white flies responsible for transfer of viral diseases. To control White flies spray the crop with Fenpropathrin 30% E.C.5 ml or Pyriproxyfen 10% EC 15 ml per 10 liters of water.</li><li>➤ Install Yellow and Blue sticks traps @ 20 to 25 per acre.</li></ul>
<b>Banana</b>	<b>Flowering</b>	<p>Due to cloudy weather over the past week, the incidence of Sigatoka disease has been observed in some areas. To control it, the following measures should be taken:</p> <ul style="list-style-type: none"><li>➤ Remove and burn the affected parts of leaves/leaves of the plant.</li><li>➤ Spray the plants with 25 grams of Mancozeb 75% WP or 25 grams of Copper Oxychloride mixed with 10 ml sticker in 10 liters of water.</li><li>➤ If the disease incidence is severe, spray with 5 ml Propiconazole and 100 ml Mineral Oil mixed in 10 liters of water.</li><li>➤ Subsequently, take two more sprays at intervals of 15 to 20 days.</li></ul>
<b>Okra</b>	<b>Flowering to fruit development</b>	<ul style="list-style-type: none"><li>➤ 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.</li><li>➤ Use 10 Trichocards per hector.</li></ul>
<b>Sweet potato</b>	<b>Planting</b>	<ul style="list-style-type: none"><li>➤ Carry out sowing of Summer Sweet Potato if there is availability of sufficient irrigation water source. Use Varsha, Konkan Ashwini, Samrat and Kalmegh varieties for sowing.</li></ul>
<b>Tomato</b>	<b>Flowering to fruit development</b>	<ul style="list-style-type: none"><li>➤ 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.</li></ul>
<b>Animals</b>	<b>Growth</b>	<ul style="list-style-type: none"><li>➤ Keep cattle's inside the sheds during night and provide dry bedding to protect them from cold.</li><li>➤ Increase protein level and minerals in the feed concentrate to keep the animals healthy to cope up with the cold condition.</li><li>➤ Do not keep cattle/goat in the open during night time.</li></ul>

**Source:**

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

**Place : ZARS, KOLHAPUR**

**Date : 21.01.2025**

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