



# 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 20.12.2024**

**District: KOLHAPUR**

Last Week Weather Summary (14.12.2024 to 20.12.2024)							Weather Parameters	Weather Forecast (21.12.2024 to 25.12.2024)				
14	15	16	17	18	19	20	Date	21	22	23	24	25
0.0	0.0	0.0	0.0	0.0	0.0	0.0	<b>Rainfall (mm)</b>	0	0	0	0	0
30.5	30.0	29.8	31.2	30.2	30.2	31.0	<b>Max. Temp. (°C)</b>	30	30	30	29	30
13.5	12.5	12.2	11.5	12.2	13.2	15.0	<b>Min. Temp. (°C)</b>	16	17	18	18	20
2	1	1	2	1	1	1	<b>Cloud Cover</b>	2	2	3	3	2
1	1	1	1	0	1	1						
87	91	90	92	87	87	83	<b>Max. RH (%)</b>	82	81	82	81	82
65	64	54	72	50	44	43	<b>Min. RH (%)</b>	47	48	49	50	51
2.1	2.2	1.9	2.1	1.9	3.0	2.1	<b>Wind Speed(km/hr)</b>	3	3	2	4	6
SE	E	SE	SE	E	SW	SE	<b>Wind Direction</b>	ENE	NE	NE	ENE	E
E	SE	E	E	SE	ESE	E						
Rainfall last week				Rainfall since 01.01.2024 (mm)				Rainy days since 01.01.2024				
0.0				1491.1				92				

#### 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 21 <sup>st</sup> to 25 <sup>th</sup> December in <b>Kolhapur</b> district. During next 5 days Maximum temperature will remain nearby 29.0 to 30.0 while the <b>minimum temperature will remain nearby 16.0 to 20.0°C</b> . Morning relative humidity will remain between 81 to 82% and Afternoon relative humidity will remain 47 to 51%. Wind speed will remain up to 02 to 06 km/h According to Extended Range Forecast (ERF) in Madhya Maharashtra Sub Division <b>rainfall will remain above normal</b> , maximum temperature will remain moderately below normal and minimum temperature will remain normal valid from <b>25<sup>th</sup> to 31<sup>st</sup> December, 2024</b>
<b>General Advisory</b>		<ul style="list-style-type: none"> <li>➤ Carry out mulching in Vegetable crops and fruit orchards for maintaining soil moisture by minimising evaporation from soil.</li> <li>➤ Make availability of irrigation to <i>rabbi</i> crops like Wheat and Chickpea in their critical growth stages and as per their requirement.</li> </ul>
<b>SMS Advisory</b>		➤ In December rate of evaporation increases up to 3.63 mm per day thus Sugarcane crop needs 2.17 liters of water per day so to fulfill this water requirement Drip Irrigation Unit require to run for 33 minutes daily.
<b>Wheat</b>	<b>Stem elongation</b>	➤ Give spray of 2% water soluble fertilizer i.e. 19:19:19 at the time of 55 days after sowing. (200 gram per 10 liters of water).
<b>Chick pea</b>	<b>Flowering to pod filling</b>	➤ 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.
<b>Sugarcane</b>	<b>Suru Sugarcane Cultivation</b>	<p><b>Suru Sugarcane Cultivation:</b> Select varieties like Co.86032 (Nira), Co.M0265 (Phule 265), Phule 10001, Phule 11082, Phule Sugarcane 15012, Phule 13007, Co. 94012 (Phule Savitri), Co 92005 for cultivation.</p> <p><b>Sets Treatment:</b></p> <ul style="list-style-type: none"> <li>➤ Before planting, soak the Sets in a solution of 10 grams of Carbendazium mixed with 10 liters of water for 10-15 minutes. Then, mix 1 kg of <i>Azotobactor</i> and 125 grams of phosphate-solubilizing bacteria in 100 liters of water, soak the cuttings in it for 30 minutes, and plant them immediately.</li> </ul>
<b>Chilli</b>	<b>Flowering</b>	➤ The incidence of Thrips is observed in some parts thus to control spray the crop with <i>Beauveria Bassiana</i> @ 5 gram Or <i>Lecanicillium lecanii</i> @ 5 gram + Sticker per liter of water.
<b>Mango</b>	<b>Flowering</b>	➤ Due to cloudy weather in last week there is incidence of Hoppers and Powdery mildew on Mango crop thus to control spray the crop with Imidacloprid 17.8 S.L.3 ml + Sulphur 80 WP 25 gram per



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		10 liters of water.
<b>Okra</b>	<b>Fruit development</b>	➤ Due to cloudy and humid weather in last week there is incidence of Powdery mildew on Okra thus to control spray the crop with Carbendezium 10 gram or Hexaconazole 10 ml per 10 liters of water.
<b>Animals</b>	<b>Growth</b>	➤ Use high energy diet like Jowar, Wheat, Maize coarse grain feed in Cattles diet. ➤ There is possibility of decrease in minimum temperature thus it is necessary to keep the cattle shed of Calf's, Kids, lambs warm and close the sides of cattle shed with curtains or gunny bags for increase in temperature.
<b>Poultry</b>	<b>Growth</b>	➤ There is forecast of drop in Tmin upto 17.0°C thus to protect poultry bird from clod keep the poultry shed warm particularly during night and early in morning.

**Source:**

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

**Place : ZARS, KOLHAPUR**

**Date : 20.12.2024**

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