



**AGROMET ADVISORY BULLETIN**  
**GRAMIN KRISHI MAUSAM SEWA, AMFU, KOLHAPUR**  
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**SHENDA PARK, KOLHAPUR**



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**Weather based Agromet Advisory committee meeting dated 20.12.2024**

**District: SATARA**

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
-	-	-	-	-	-	-	Rainfall (mm)	0	0	0	0	0
-	-	-	-	-	-	-	Max. Temp. (°C)	32	32	31	30	30
-	-	-	-	-	-	-	Min. Temp. (°C)	12	13	14	15	15
-	-	-	-	-	-	-	Cloud Cover	3	1	3	1	2
-	-	-	-	-	-	-	Max. RH (%)	84	85	84	85	85
-	-	-	-	-	-	-	Min. RH (%)	50	51	52	51	52
-	-	-	-	-	-	-	Wind Speed(km/hr)	3	4	3	4	4
-	-	-	-	-	-	-	Wind Direction	NNE	NNE	NE	ENE	N

**Agromet Advisory Based on Weather Forecast Prediction**

Crop	Stage	Advisory
<b>Weather Summary/ Alert</b>		Weather forecast given by Regional Meteorological Centre, Mumbai has indicated that there is forecast of partially cloudy sky from 21 <sup>st</sup> to 25 <sup>th</sup> December in <b>Satara district</b> . <b>During next 5 days Maximum temperature will remain 30.0 to 32.0°C and the Minimum temperature will remain between 12.0 to 15.0°C December</b> . Morning relative humidity will remain nearby 84 to 85% and Afternoon relative humidity will remain 50 to 52%. Wind speed will remain from 03 to 04 km/hr. 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>		<b>Due to the increasing cold, citizens should take the following precautions:</b> ➤ 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. <b>As the intensity of cold increased farmers should take care of their crop in following way</b> ➤ 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
<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</b>	➤ During flowering to pod filling stage spray the crop with 2% Urea. ➤ For control of Gram Pod Borer spray the crop with 5% <i>Nimboli Ark</i> as soon as flowering starts
<b>Strawberry</b>	<b>Fruit maturity</b>	➤ Carry out harvesting of Strawberries 85 to 90 days after planting according to maturity of varieties. Carry out harvesting when fruits get red coloured. Use precooling and Cold storage for storage of Strawberries. Life of Strawberry fruits increases by two times by keeping strawberries in 0 to 4 degree Celsius temperature for 4 hours. ➤ Give irrigation after every 2 to 3 days through drip according to soil type.
<b>Sugarcane</b>	<b>Suru Sugarcane Cultivatio</b>	<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.



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	n	Sets Treatment:
<b>Pomegranate</b>	<b>Hast Bhar Flowering stage / Fruit setting stage</b>	<p>➤ Before planting, soak the Sets in a solution of 10 grams of Carbendezium 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.</p> <p>Due to partially cloudy and dry weather there is possibility of increase in incidence on Sucking pest on Pomegranate Orchards thus to control take following control measure.</p> <p>1. Install yellow/ blue sticky traps @ 25-30 traps per acre randomly in a zigzag manner and traps should be tied/hanged 15 cm below from the top canopy of the plant.</p> <p>Depending on the pest population, take the following sprays.</p> <p>2. <b>First spray:</b> Spinetoram 12% SC @ 1.0 ml per litre OR Spinosad 45% SC @ 0.5 ml per litre.</p> <p>3. <b>Second spray:</b> 7-10 days after first spray, take 2nd spray with Spinosad 45% SC @ 0.5 ml per litre OR Neem oil 1% (10000ppm) @3.0 ml per litre OR Pongamia oil @3ml per litre OR combination of both of oils @ 3 ml per litre + 3 ml per litre with 0.25 ml/L of spreader sticker.</p> <p>4. <b>Third spray:</b> if required, use, Spinetoram 12% SC @ 1.0 ml per litre OR Spinosad 45% SC @ 0.5 ml per litre with 0.25 ml/L of spreader sticker.</p>
<b>Mango</b>	<b>Flowering</b>	<p>➤ 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 10 liters of water.</p>
<b>Tomato</b>	<b>Fruit development</b>	<p>➤ There is forecast of Tmax. Between 25 to 32oC 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.</p>
<b>Animals</b>	<b>Growth</b>	<p>➤ Use high energy diet like Jowar, Wheat, Maize coarse grain feed in Cattles diet.</p> <p>➤ 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.</p>
<b>Poultry</b>	<b>Growth</b>	<p>➤ There is forecast of drop in Tmin upto 16.0°C thus to protect poultry bird from clod keep the poultry shed warm particularly during night and early in morning.</p>

**Source:**

1) Weather Forecast : Research Section, Mumbai

Place : ZARS, KOLHAPUR

Date : 20.12.2024

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