



# AGROMET ADVISORY BULLETIN

GRAMIN KRISHI MAUSAM SEWA, DISTRICT AGROMET  
UNIT, KRISHI VIGYAN KENDRA, MOHOL, SOLAPUR.



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## 475) Weather based Agromet Advisory committee meeting dated 14.01.2025

### District: Solapur

Last Week Weather Summary 08.01.2025 to 14.01.2025)							Weather Parameters	Weather Forecast (15.01.2025 to 19.01.2025)				
08	09	10	11	12	13	14	Date	15	16	17	18	19
0.0	0.0	0.0	0.0	0.0	0.0	-	Rainfall (mm)	-	-	-	-	-
32.7	31.2	30.4	30.5	31.0	32.0	-	Maximum temperature (°C)	-	-	-	-	-
15.5	16.1	17.5	19.4	20.4	18.3	-	Minimum temperature (°C)	-	-	-	-	-
Clear Sky	Clear Sky	Clear Sky	Clear Sky	Partially Cloudy	Clear Sky	-	Cloud Cover	-	-	-	-	-
87	83	89	87	91	89	-	Max. RH (%)	-	-	-	-	-
51	54	45	57	61	57	-	Min. RH (%)	-	-	-	-	-
1.9	3.7	3.7	3.7	3.7	1.9	-	Wind Speed(km/hr)	-	-	-	-	-

### Agromet Advisory Based on Weather Forecast Prediction

Crop	Stage	Advisory
Weather Summary		According to the forecast given by the Regional Meteorological Centre, Mumbai, of the India Meteorological Department, there is a possibility of cloudy Sky from 14 <sup>th</sup> January to 18 <sup>th</sup> January 2025. During date 14 <sup>th</sup> January to 18 <sup>th</sup> January 2025, weather may remain dry in the district.
Extended Range Forecast (ERFS)		As per ERFS products during 17 <sup>th</sup> January to 23 <sup>rd</sup> January 2025, Ahmednagar, Pune, Satara, Sangli, Solapur, Kolhapur) division <ul style="list-style-type: none"> <li>➤ Rainfall may remain above normal.</li> <li>➤ Maximum temperature may remain below normal.</li> <li>➤ Minimum temperature may remain normal.</li> </ul>
General Advisory		<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 in vegetable crops and fruit orchards to regulate temperature, retain soil moisture, and minimize evaporation from the soil.</li> <li>➤ Make availability of irrigation to rabbi crops like Wheat, Sorghum, Maize, Safflower and Chickpea in their critical growth→ stages and as per their requirement.</li> <li>➤ Farmers should observe the pest and disease incidence on their field and if the infestation is above economic threshold level (ETL) then proper pest and disease management should be done.</li> <li>➤ Farmers should take necessary precautionary measures while spraying insecticide, fungicide etc.</li> </ul>
SMS Advisory		Farmers should take care of themselves and their cattle's as decrease in minimum temperature.
Crop	Crop Stage	Advisory
Sugarcane	Suru sugarcane Plantation	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



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		<p>the Co 86032 sugarcane variety, increase the chemical fertilizer dosage by 25%. <b>Irrigation Strategy:</b> Due to the increased rate of evaporation (4.07 mm per day) in January, Sugarcane crops require 2.24 liters of water daily. To meet this demand, run the Drip Irrigation Unit for 34 minutes every day.</p>
<b>Wheat</b>	<b>Stem elongation to flowering</b>	<p>Give irrigation at important crop development stages is necessary for good yields. Apply irrigation if required at tillering stage i.e. 40 to 45 days after sowing and at flowering stage i.e. 60 to 65 days after sowing of wheat crop. Spray the crop with 1 gm Thiamethoxam 25WG in 10 liters of water as soon as incidence of aphid and jassid noticed at ETL.</p>
<b>Rabi Sorghum</b>		<p>The cloudy and humid weather over the past week increases the likelihood of aphid infestation in sorghum crops, leading to the spread of sticky disease. For the control of Sugary Disease, spray the crop with 30% dimethoate 500 ml in 500 liters of water Or Spray thiamethoxam 5 g + Mancozeb 2.5 g per 10 liters of water as required. For preparation of Hurda, harvest Rabi Sorghum variety Phule Madhur cobs at milking stage, and sell for Hurda purpose. Sorghum usually flowering in 70 to 75 days. Apply irrigation in this stage helps in filling the grains in the head. As the weight of the grain increases, so does the yield. Those who have access to irrigation facilities should provide irrigation to the sorghum.</p>
<b>Chick pea</b>	<b>Pod filing stage</b>	<p>The cloudy and humid weather over the past week increases the likelihood of pod borer infestation in chickpea crops. If pod borer infestation is observed on chickpea, it can be controlled by spraying <b>H.A.N.P.V. (Helicoviral)</b>, a viral-based biological insecticide, at the rate of 1 ml per liter of water. Alternatively, chemical insecticides such as <b>Chlorantraniliprole 18.5% SC</b> at the rate of 2.5 ml per 10 liters of water or <b>Lambda Cyhalothrin</b> at the rate of 3 ml per 10 liters of water can be sprayed.</p>
<b>Maize</b>	<b>Growth Stage</b>	<p>Due to the cloudy and humid weather over the past week, if an infestation of Fall Armyworm (Spodoptera) is observed on maize, collect and destroy egg masses from affected crops. Additionally, spray 4 grams of Emamectin Benzoate 5 SG insecticide per 10 liters of water. If necessary, after 8 to 10 days, spray 5 ml of a mixed insecticide containing Thiamethoxam 12.6% + Lambda-Cyhalothrin 9.5% per 10 liters of water.</p>
<b>Safflower</b>	<b>Flowering Stage</b>	<p>Due to the cloudy and humid weather over the past week, there is a likelihood of blight disease in safflower. For its control, spray a combined fungicide of Carbendazim + Mancozeb at 2 grams per liter of water. Additionally, for the control of pod borer in safflower, spray Fenvalerate 20 EC at 5 ml per 10 liters of water.</p>
<b>Pigeon pea</b>	<b>Maturity / Harvesting</b>	<p>Cutting of pigeon pea plants after maturity of pods and then threshing it on threshing yard. Don't take ratoon of pigeon pea because there will be chances of increasing sterility mosaic disease.</p>
<b>Grape</b>	<b>Flowering to setting stage</b>	<p>With a drop in minimum temperatures and cloudy conditions, apply 15 kg SOP (sulfate of potash) in two splits, followed by SOP spray to boost potassium levels in vines. If not applied earlier, ensure 15 kg SOP application during the flowering stage under such conditions. Aphid infestation (black aphids with honeydew on bunches and shoots) is common in grape-growing areas, including Solapur.</p>



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		<b>Management Tips:</b> <ul style="list-style-type: none"><li>• Apply <b>Imidacloprid 17.8 SL @ 0.4 ml/L water</b>, but avoid repeated applications.</li><li>• Install <b>yellow sticky traps</b> to monitor and control aphids.</li><li>• Use bio-agents such as <b>Lecanicillium lecanii</b>, <b>Beauveria bassiana</b>, or <b>Metarhizium anisopliae</b> for eco-friendly management.</li></ul>
<b>Banana</b>	<b>Banana bunch Development</b>	Give irrigation to crop during night in winter. For protection from cold, cover the banana bunch with white plastic bag with 6% porosity. Due to the current cloudy and humid weather, if Sigatoka disease is detected in banana crops, you should control the disease by removing either part of the affected leaves or entire leaves from the plants. When the disease is noticed, spray a mixture of 5 ml of Propiconazole and 100 ml of mineral oil in 10 liters of water, provided there is no rainfall. Repeat this spray application two times with a 20-day interval between each spray.
<b>Pomegranate</b>	<b>Bahar: Ambia (Jan-Feb Crop Regulation)</b>	<ul style="list-style-type: none"><li>➤ Withhold water till 60-70% leaf fall for natural stress induction.</li><li>➤ <b>Defoliation with Ethephon 39% SL:</b><ul style="list-style-type: none"><li>• <b>If plants lack proper stress:</b><ul style="list-style-type: none"><li>○ Spray 1: Ethephon @ 0.9 ml/litre.</li><li>○ Spray 2: Ethephon @ 1-1.5 ml/litre after 5-8 days, based on yellowing.</li><li>○ Add 18:46:00, 12:61:00, or 00:52:34 @ 5 g/litre to each spray.</li></ul></li><li>• <b>If plants are under proper stress with yellow leaves:</b><ul style="list-style-type: none"><li>○ Single spray: Ethephon @ 1 ml/litre + 18:46:00, 12:61:00, or 00:52:34 @ 5 g/litre.</li></ul></li></ul></li><li>➤ Remove water shoots and lightly prune shoot tips (10-15 cm). Thin dense tertiaries for better sunlight and aeration.</li></ul>
<b>Animal Management</b>		Keep cattle 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. Give animal's mineral mixture along with salt regularly and also wheat grains, jaggery etc. @ 10-20% in the daily ration during winter season to meet the energy requirement of the animals.
<b>Poultry Management</b>		Protect poultry birds from cold winds by hanging curtain/clothing from outside the poultry shed. Use of electric bulbs for heat is advisable. Increase feed to poultry birds by including energy and protein rich minerals.

## Source

- 1) Weather Forecast : Research Section, Mumbai.
- 2) Last week weather summary : Zonal Agriculture Research Station, Solapur.

Place : Krishi Vigyan Kendra, Mohol.

Date : 14<sup>th</sup>, January 2024

Sd/-

Nodal Officer, DAMU, Krishi Vigyan Kendra,  
Mohol, Solapur.