



# AGROMET ADVISORY BULLETIN

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



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E-mail: damu.kvkmohol@gmail.com

366) Weather based Agromet Advisory committee meeting dated 01.12.2023

## District: Solapur

Last Week Weather Summary (25.11.2023 to 01.12.2023)							Weather Parameters	Weather Forecast (02.12.2023 to 06.12.2023)				
25	26	27	28	29	30	01	Date	02	03	04	05	06
0.0	0.0	0.0	0.0	72.4	0.0	--	Rainfall (mm)	12.0	0.0	0.0	0.0	0.0
33.2	33.7	33.3	33.4	33.0	29.7	--	Max. Temp. (°C)	32	33	33	33	33
22.2	21.6	22.5	22.6	20.0	19.9	--	Min. Temp. (°C)	20	18	17	16	16
Partly cloudy	Partly cloudy	Partly cloudy	cloudy	cloudy	cloudy	--	Cloud Cover	cloudy	Partly cloudy	Partly cloudy	Partly cloudy	Partly cloudy
90	87	89	90	90	91	--	Max. RH (%)	70	64	62	71	70
58	56	61	59	62	--	--	Min. RH (%)	54	34	34	39	37
3.7	3.7	3.7	3.7	3.7	4.2	--	Wind Speed(km/hr)	10	12	16	18	14

## Agromet Advisory Based on Weather Forecast Prediction

Crop	Stage	Advisory
Weather Summary		<p>According to the forecast from the Regional Meteorological Centre Mumbai, there is a possibility of a Partly cloudy sky from 01<sup>st</sup> December to 6<sup>th</sup> December 2023. On the 01<sup>st</sup> and 02<sup>nd</sup> of December 2023, there is a possibility of light to moderate rainfall at isolated places. From 3<sup>rd</sup> December to 06<sup>th</sup> December 2023, the weather may remain dry in the district</p> <p>During next five days maximum temperature will remain nearby 32°C to 33 °C, while minimum temperature will remain nearby 16°C to 20°C. Morning relative humidity will remain between 62 to 71 and afternoon relative humidity will remain 34 to 54 %. Wind speed will remain up to 10.0 Km/h to 18.0 km/h.</p> <p><b>Warning:-</b> There is a possibility of a thunderstorm accompanied with lightning, gusty winds reaching 30-40 kmph, and light to moderate rainfall likely to occur at isolated places on 01<sup>st</sup> December 2023, in the district.</p>
Extended Range Forecast (ERFS)		<p>As per ERFS product during 06<sup>th</sup> December to 12<sup>th</sup> December 2023 over Madhya Maharashtra (Dhule, Nandurbar, Jalgaon, Nashik, Ahmednagar, Pune, Satara, Sangli, Solapur and Kolhapur) division.</p> <ul style="list-style-type: none"> <li>➤ Rainfall may below normal.</li> <li>➤ Maximum temperature may below normal.</li> <li>➤ Minimum temperature may normal.</li> </ul>
General Advisory		<ul style="list-style-type: none"> <li>➤ As there is possibility Thunderstorm accompanied with lighting and rainfall at isolated places, proper precaution should be taken by farmers of themselves and the cattle's and animals should be kept at safe place.</li> <li>➤ As rainfall forecasted carry out the harvesting of matured late sown kharif Maize crops within time and keep harvested produce at protected place.</li> <li>➤ Carry out spraying of insecticides only when there is no rainfall and calm wind.</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> </ul>



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		<ul style="list-style-type: none"> <li>➤ Farmers should download and make use of Meghdoot mobile app for weather based crop advisory and weather forecast. Also, farmers should download of Damini mobile app and make use for lightning and thunderstorm warning and forecasting.</li> <li>➤ <b>Care should be taken by farmers during thunderstorm and lightening</b> In view of thunderstorm accompanied with gusty winds, provide mechanical support to orchards staking in vegetables. If farmers are in the field and can't find any shelter, avoid the tallest object in the area. If only isolated trees are nearby, best protection is to crouch in the open. Keep animals away from open water, pond or river. Keep animals away from tractors and other metal farm equipment. Do not park vehicles under a tree. Avoid contact with electrical equipment or cords. Don't allow your animals to congregate under trees.</li> </ul>
<b>SMS Advisory</b>		<ul style="list-style-type: none"> <li>➤ As there is possibility Thunderstorm accompanied with lighting and rainfall at isolated places, proper precaution should be taken by farmers of themselves and the cattle's and animals should be kept at safe place.</li> </ul>
<b>Pigeon Pea</b>	<b>Pod Filling</b>	Due to present cloudy and humid condition if infestation pod fly spray the crop with 20 ml profenophos 50 EC in 10 liters of water during clear weather conditions for the control of pod fly.
<b>Maize</b>	<b>Harvesting</b>	As rainfall forecasted carry out the harvesting of matured late sown kharif Maize crops within time and keep harvested produce at protected place. Cover the harvested maize cobs with polythene sheets. If possible keep maize fodder at safe place otherwise cover the maize fodder with polythene sheets.
<b>Rabi Sorghum</b>	<b>Growth Stage</b>	If the infestation of Fall Army Worm is more than 10% for its control take a spray of Spinoteram 11.7% SC @ 5 ml OR Thiamethoxam 12.6% + lambda - cyhalothrin 9.5% ZC @2.5 ml per 10 liter of water in clear weather.
<b>Chick pea</b>	<b>Rainfed Chick pea Flowering stage</b>	Due to cloudy weather, when crop in flowering stage, if larvae appear on it and white spots on leaves appear, then neem extract should be spray in clear weather. Five pheromone traps should be set per hectare for pest survey in gram crops. A first spray of 5 percent neem extract should be applied for pest control.
<b>Safflower</b>	<b>Growth Stage</b>	Due to present cloudy and humid condition, there is a possibility that the safflower crop will be affected by aphid pests. To achieve combined control of aphids and leaf-eating caterpillars on the safflower crop, spray Acephate 16 g + Fenvalerate 10 ml per 10 liters of water during clear weather conditions.
<b>Sugarcane</b>	<b>Sugarcane Ratoon Management</b>	<b>Sugarcane Ratoon Management:</b> If the sugarcane stalks remain large length, they should be cut with a sharp sickle near the ground. This allows the shoots to germinate under the soil and increase the total number of shoots. Immediately after cutting spray 0.1% Bavistin (1 g Bavistin in 1 liter of water). This prevents soil borne fungal diseases. For decomposition of sugarcane trash apply 80 kg urea per hectare and 100 kg single super phosphate per hectare in the field. Then 10 kg of decomposer should be mixed in organic manure or moist soil and spread evenly on the sugarcane trash. Decomposition requires nitrogen, phosphorus and decomposer.
<b>Onion</b>		Due to the current cloudy and humid weather, with the possibility of light rain in isolated areas, if blight disease is detected in onion crops, you can control Thrips and blight by spraying 15 ml of Dimethoate 30% EC or a mixture of 6 ml of Lambdacyhalothrin 5% EC and 10 ml of Tebuconazole per 10 liters of water during



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		clear weather conditions. As there is a possibility of rain, harvesting of matured crops should be done immediately and keep harvested onion bulbs in safe place/ shed or covered with plastic paper
<b>Banana</b>		Due to the current cloudy and humid weather, with the possibility of rain in isolated areas, 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. Due to gusty winds, provide support for plants and large banana bunches using either bamboo or polypropylene sticks, as needed.
<b>Grape</b>		<b>Vineyard in pre- bloom stage:</b> With the prediction of rainfall in these vineyards, the problem of bunch rot and downy mildew infection may become serious. Hence, removal of non-bearing excess shoot immediately will help to reduce relative humidity in the canopy. Movement of tractor with blower in the canopy will help to reduce the humidity in the canopy. Immediately after the shoot removal, copper-based fungicide may be sprayed to avoid further infection. Spraying of zinc, boron and potassium will make the vine stronger. Due to the current cloudy and humid weather, with the possibility of rain in isolated areas, if downy mildew disease is detected in a grape orchard, you should control the disease by applying systemic fungicides. Options include using a tank mix of Amisulbrom at a rate of 0.375g/L with Mancozeb 75WP at 2g/L, or Dimethomorph at 1g/L with Mancozeb 75WP at 2g/L, or Iprovalicarb combined with Propineb at a rate of 2.25g/L, or Mandipropamid at 0.8g/L during clear weather conditions.
<b>Pomegranate</b>		Due to the current cloudy weather and rainfall, if bacterial blight disease is detected in a Pomegranate orchard, For management of bacterial blight disease take a spray of Bronopol (95-98 %) @ 0.5 g/L + Copper oxychloride @ 2 to 2.5 g/L + Spreader sticker @ 0.5 ml/L within 24 hours after rainfall.
<b>Animal Management</b>		As there is possibility Thunderstorm accompanied with lightning and rainfall at isolated places proper precaution should be taken by farmers of themselves and the cattle's and animals should be kept at safe place. It is most important to give wormicide medicine to animals by consulting veterinary doctor. Always give clean drinking water to animals. For control and prevention of liver fluke disease animals should be given vaccine and medicine in consultation with veterinary doctor.

### Source

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

Place : Krishi Vigyan Kendra, Mohol.

Date : 01<sup>st</sup> December 2023

Sd /-

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



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