



**AGROMET ADVISORY BULLETIN**  
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**Weather based Agromet Advisory committee meeting dated 01.12.2023**  
**District Jalgaon**

Weather Parameters	Weather Forecast (01.12.2023 to 05.12.2023)				
Date	२	३	४	५	६
Rainfall (mm)	१४	४	०	०	०
Max. Temp. (0C)	३०	२९	२९	२८	२७
Min. Temp. (0C)	१८	१६	१६	१५	१४
Cloud Cover	४	४	४	३	३
Max. RH (%)	७८	७६	६३	७१	६९
Min. RH (%)	५१	४६	३७	३७	४०
Wind Speed(km/hr)	११	११	१०	११	११
Wind direction (deg)	१०९	६८	६८	५८	६३

**Agromet Advisory Based on Weather Forecast Prediction**

Crop	Crop Stage	Advisory
<b>Weather Summary/ Alert</b>		<p>According to forecast given by Regional Meteorological Centre, Mumbai of India Meteorological Department there is possibility of rainfall at isolated places on dt. 01<sup>st</sup> &amp; 02<sup>nd</sup> December, 2023 and the weather may remain dry on dt. 03<sup>rd</sup>, 04<sup>th</sup> &amp; 05<sup>th</sup> December, 2023 in the district.</p> <p><b>Warning :</b> According to forecast given by India Meteorological Department isolated places in the district may experience thunderstorm accompanied with lightening, rain, gusty winds (speed reaching 30-40 kmph) on dt. 01<sup>st</sup> December, 2023.</p>
<b>Extended Range Forecast (ERFS)</b>		<p>As per ERFS products during 06<sup>th</sup> to 12<sup>th</sup> December, 2023 over Madhya Maharashtra (Dhule, Nandurbar, Jalgaon, Nashik, Ahmednagar, Pune, Satara, Sangli, Solapur, Kolhapur) division</p> <ul style="list-style-type: none"> <li>➤ Rainfall may remain below normal.</li> <li>➤ Maximum temperature may remain below normal.</li> <li>➤ Minimum temperature may remain normal.</li> </ul>
<b>General Advisory</b>		<ul style="list-style-type: none"> <li>• As there is possibility of thunderstorm activity accompanied with gusty winds (30 to 40 kmph), lightening, with light to moderate rainfall harvesting of matured crops should be done. Store the harvested produce at safe storage places. The harvested produce should be covered properly if in open field or should be shifted at safe storage.</li> <li>• Drain out excess rain water from standing crop.</li> <li>• Spraying of insecticide, pesticide and application of fertilizer dose should be done by considering the forecasted rain.</li> <li>• Cattle should be kept at safe places in cattle shed.</li> <li>• Farmers should observe the pest and disease incidence on their field and if</li> </ul>

		<p>the infestation is above economic threshold level (ETL) then proper pest and disease management should be done.</p> <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.</li> <li>• Also, farmers should download and make use of use of Damini mobile app for lightning and thunderstorm warning and forecasting.</li> </ul>
<b>Management before - after unseasonal rains</b>		Drain out the excess rain water from the field immediately after unseasonal rains. Due to unseasonal rain the weather becomes cold hence to protect the orchards apply light well irrigation on the same day. The orchards, field should be kept clean after the storm by picking all the leaves, fruits, twigs, branches etc. if necessary collect all the debris and burn it on the bunds of orchards to protect from cold weather. If lodging of standing crop is observed tie-up the crop so that they can stand.
<b>Cotton</b>	Picking stage	As there is possibility of thunderstorm activity accompanied with gusty winds (30 to 40 kmph), lightening, hailstorm with light to moderate rainfall in the district the harvested produce should be kept at safe storage place and if in open field it should be covered properly. While picking first pick the top quality cotton and then after the rain affected yellowish cotton separately. The harvested produce should be dried in sunlight for 3 to 4 days and kept at dry and clean places.
<b>Wheat</b>	Crown root Initiation	Due to cloudy weather condition for control of aphid spray thiamethoxam 25% WG 1 gram per 10 liters of water when there is no rain.
<b>Chick pea</b>	Vegetative Growth Stage	Due to cloudy weather condition when crop is in flowering stage, for control of various pests spray 5 % neem extract in clear weather. For control of gram pod borer erect T shaped bird perches and install 5 pheromone traps per hectare.
<b>Rabi safflower</b>	Vegetative Growth Stage	Due to cloudy weather condition for control of aphids spray Acephate 16 g + Fenvalerate 10 ml per 10 liters of water during clear weather conditions.
<b>Pigeon pea</b>	Flowering to pod filling stage	The area where rainfall was received drain out excess rain water from pigeonpea crop to avoid wilting. For control of pod borer spray of 5% neem ark. For integrated pest management of pod borer, plume moth, pod fly during flowering and pod filling stage should be done by intercropping cereals crops which will help in controlling them. Due to present cloudy weather condition for control of pod fly spray 20 ml profenophos 50 EC in 10 liters of water during clear weather conditions.
<b>Brinjal</b>	Vegetative growth stage	Due to present weather the sap sucking pest infestation such as jassid, whitefly, aphid may increase for its control spray phospomidon 40% S.S. 15 ml. or fenpropyathrin 30% E.C., 5 ml per 10 lit. of water alternatively. Also spray 5% neem ark 50 ml per 10 lit. of water when the weather is clear in between whenever required.
<b>Banana</b>		Due to cloudy weather condition and possibility of rain for control of Sigatoka disease destroy part of the affected leaf or entire leaf from the plants. Spray 5 ml of Propiconazole and 100 ml of mineral oil in 10 liters of water, when there is no rainfall. Repeat this spray application two times with a 20-day interval between each spray.
<b>Animal Management</b>		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. Take proper precautionary measures to protect the animals from cold weather.

**Note: Farmers should take necessary precautionary measures while spraying insecticide, fungicide etc.**

**Source:**

- 1) Weather Forecast : Regional Meteorological Centre (RMC, Mumbai)  
2) Last week weather summary : -

**Place : COA, Pune**

**Date : 01.12.2023**

**Sd/-**

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