



**AGROMET ADVISORY BULLETIN**  
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**Weather based Agromet Advisory committee meeting dated 25.04.2025**  
**District Solapur**

Weather Parameters	Weather Forecast (25.04.2025 to 29.04.2025)				
Date	26	27	28	29	30
Rainfall (mm)	10	14	7	0	0
Max. Temp. (0C)	43	39	39	40	41
Min. Temp. (0C)	28	27	26	26	26
Cloud Cover	3	5	3	1	2
Max. RH (%)	85	84	85	86	85
Min. RH (%)	47	48	48	49	47
Wind Speed(km/hr)	12	10	4	7	13
Wind direction (deg)	304	331	294	276	262

**Agromet Advisory Based on Weather Forecast Prediction**

Crop	Crop Stage	Advisory
Weather Summary/ Alert		<p>According to forecast given by Regional Meteorological Centre, Mumbai of India Meteorological Department, there is possibility of rainfall at isolated places on dt. 25<sup>th</sup>, 26<sup>th</sup> &amp; 27<sup>th</sup> April, 2025 and the weather may remain dry on dt. 28<sup>th</sup> &amp; 29<sup>th</sup> April, 2025 in the district.</p> <p><b>Warning :</b> According to forecast given by Regional Meteorological Centre, Mumbai of India Meteorological Department, the weather may remain hot &amp; humid at isolated places on dt. 25<sup>th</sup> April, 2025 along with isolated places in the district may experience hailstorm, thunderstorm activity accompanied with gusty winds (40 to 50 kmph), lightening and rainfall and isolated places in the district may experience hailstorm, thunderstorm activity accompanied with gusty winds (40 to 50 kmph), lightening and rainfall on dt. 26<sup>th</sup> April, 2025 and isolated places in the district may experience thunderstorm activity accompanied with gusty winds (30 to 40 kmph), lightening and rainfall on dt. 27<sup>th</sup> April, 2025 in the district.</p>
Extended Range Forecast (ERFS)		<p>As per ERFS products during 30<sup>th</sup> April, 2025 to 06<sup>th</sup> May, 2025 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 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>• As there is possibility of rainfall the farm produce should be kept at safe storage places and the produce which is kept in open field should be covered with tarpaulin sheet.</li> <li>• As there is possibility of maximum temperature to be around 43<sup>0</sup>C during next five days, hence, farmers are advised to take care of themselves, crops &amp; animals.</li> </ul>

		<ul style="list-style-type: none"> <li>• Use of mulching should be practiced in newly planted fruit orchards to retain soil moisture and avoid evaporation losses.</li> <li>• Due to hot and humid conditions, crops may experience increased evapotranspiration leading to water stress, flower/fruit drop, and reduced irrigation efficiency. Light and frequent irrigation, mulching are advised.</li> <li>• As the day time temperatures are on raise carry out all the field operations in morning hours</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 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 Damini mobile app for lightning and thunderstorm warning and forecasting.</li> <li>• Farmers should refer and use KRISHIDARSHINI published by Mahatama Phule Agricultural University for all agriculture related information.</li> </ul>
<b>Management before - after unseasonal rains</b>		As there is possibility of unseasonal rainfall drain out the excess rain water from the field immediately after 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 thunderstorm by picking all the leaves, fruits, twigs, branches etc. if necessary collect all the debris and put in fertilizer pit to decompose. If lodging of standing crop is observed tie-up the crop so that they can stand.
<b>Sugarcane</b>	Vegetative growth stage	For biological control of shoot borer use trichograma chilonis (tricocard) 4 cards per acre and 5 pheromone (E.S.B.Lure) per hectare. Infested plants should be cut from ground level and destroy it. Drip irrigation water management system should be adopted for sugarcane crop. Irrigate the alternate rows of sugarcane and apply sugarcane trash as mulching.
<b>Onion</b>	Maturity to Harvesting Stage	Harvested produce should be kept at safe storage places. After harvesting of onion keep them for drying along with leaves for 3-4 days in the field. For drying keep the uprooted onions in rows by covering half of them by leaves. After drying cut the leaves by 4 cm apart from onion
<b>Summer Groundnut</b>	Pod development stage	Water stress should be avoided during pod formation to pod-development stage. Apply irrigation to crop according to soil texture and the crop growth stages.
<b>Summer Pearl Millet (Summer Bajra)</b>	Grain filling stage	Apply irrigation to Summer Pearl Millet crop according to soil texture and the critical crop growth stages.
<b>Maize</b>	Harvesting to storage	Spraying of neem ark 5% or emamectin benzoate 5% SG, 8 gm per liter of water for control of American Army worm. Care should be taken that the maize crop which has been sprayed by insecticide should not be used as fodder. Matured crop should be harvested and it should be dried in sunlight. Care should be taken to avoid storage in damp & moist places.
<b>Banana</b>	Vegetative growth stage	Give support of bamboo sticks or polypropelene sticks to the plants and banana bunch which is big. As there is possibility of high temperature farmers are advised to do fencing of orchard with green shadenet and to protect the banana bunch from hot weather it should be covered by banana

		leaves. Apply irrigation to crop by drip irrigation system according to soil texture and the crop growth stage.
<b>Grape</b>		If planning for foundation pruning in next 10- 15 days, it is advised to get soil and water analysed for planning nutrient and water application schedule for foundation pruning season.
<b>Mango</b>	Maturity to Harvesting Stage	Mulching of dried leaves, grass etc. should be done at the base of mango tree. The fruit fly lays its eggs in the fruit below outer cover of the fruit when the fruit is about to mature. The larvae develop on the pulp of the fruit. Hence the infested fruit should be destroyed. The soil should be ploughed below the trees. For its control use methyl usenol coated 8-10 traps per acre. Harvest the matured fruits preferably before 10AM or after 4PM and store them at safe place for ripening. The transportation of produce should be done in evening or after.
<b>Animal Management</b>		<p>To protect Poultry birds from hot weather cover the sides of Poultry shed with gunny bags and spray water on these gunny bags to minimize the temperature inside the poultry house. Cover the roof of poultry shed with grass or with gunny bags which will help to reduce temperature within poultry house. Do not take the conceived animals for grazing in open field when the temperatures are high. Cover the cows and buffaloes with wet gunny bags to protect from high temperatures. The animals should be kept in a cool place or under a tree. Sprinkle water on the roof of cattle shed with dried grass, dried farm wasted, dried coconut leaves etc. In summer season animal should be given cold and clean water 3-4 times. If there is a separate water facility in the barn, the water pot should be in the shade and the pot should be made mainly of clay or cement so that the water in it stays cool throughout the day.</p> <p>The country's first animal health mobile system (app) Phule Amrutkal App, developed by the Department of Animal Husbandry and Dairy science under the Indigenous Cattle Research and Training Centre (ICRTC) of Mahatma Phule Krishi Vidyapeeth, at the College of Agriculture, Pune, was launched for farmers and farmers should download and install it in their mobile and get weather based animal advisories.</p> <p>Benefits of Phule Amrutkal App Download :</p> <p>This app will advise farmers and instructions will be given from time to time on how to alleviate heat-related stress in cattle, reduce the temperature in the cowshed and maintain proper humidity, provide shade, maintain proper ventilation, provide cold water for drinking, start the fan or fogger system automatically, and plan a balanced diet, etc.</p>
<b>Note: Farmers should take necessary precautionary measures while spraying insecticide, fungicide etc. and use Kisan Kavach Body Suite.</b>		

**Source:**

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

**Place : COA, Pune**

**Date : 25.04.2025**

**Sd/-**

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Head, Department of Agril. Meteorology, COA, Pune.**

