



AGROMET ADVISORY BULLETIN
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Weather based Agromet Advisory committee meeting dated 28.03.2025
District Pune

Significant past weather of the preceding week and Weather Forecast

Last Week Weather Summary (22.03.2025 to 28.03.2025)							Weather Parameters	Weather Forecast (28.03.2025 to 01.04.2025)				
22	23	24	25	26	27	28	Date	29	30	31	1	2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	Rainfall (mm)	0	0	4	7	11
36.8	36.6	37.7	38.2	38.2	38.6	36.4	Max. Temp. (0C)	37	39	39	38	37
15.4	17.4	17.8	18.6	20.2	19.6	18.3	Min. Temp. (0C)	21	20	23	21	22
							Cloud Cover	1	1	3	4	4
56	65	73	91	69	55	70	Max. RH (%)	48	47	48	49	50
18	13	14	14	13	21		Min. RH (%)	18	19	18	18	19
4.1	2.9	3.5	2.5	4.3	4.3	4.9	Wind Speed(km/hr)	6	6	5	5	4
							Wind direction (deg)	328	357	344	286	343

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 the weather may remain dry on dt. 28th & 29th March, 2025 and there is possibility of rainfall at isolated places on dt. 30th, 31st March, 2025 & 01st April, 2025 in the district.</p> <p>Warning : According to forecast given by Regional Meteorological Centre, Mumbai of India Meteorological Department isolated places in the district may experience thunderstorm activity accompanied with gusty winds (40 to 50 kmph), lightening and rainfall on dt. 01st April, 2025.</p>
Extended Range Forecast (ERFS)		<p>As per ERFS products during 02nd to 08th April, 2025 over Madhya Maharashtra (Dhule, Nandurbar, Jalgaon, Nashik, Ahmednagar, Pune, Satara, Sangli, Solapur, Kolhapur) division</p> <ul style="list-style-type: none"> ➤ Rainfall may remain below normal. ➤ Maximum temperature may remain normal. ➤ Minimum temperature may remain normal.
General Advisory		<ul style="list-style-type: none"> • Due to expected dry weather, apply irrigation to summer crops, fruit orchards and vegetable crops as per local condition, soil type and there requirement. • Use of mulching should be practiced in fruit orchards to retain soil moisture. • 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. • Farmers should download and make use of Meghdoot mobile app for weather based crop advisory and weather forecast. • Also, farmers should download and make use of Damini mobile app for

		<p>lightning and thunderstorm warning and forecasting.</p> <ul style="list-style-type: none"> • Farmers should refer and use KRISHIDARSHINI published by Mahatama Phule Agricultural University for all agriculture related information.
Management before - after unseasonal rains		<p>As there is possibility 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. Drain out excess rain water from the field standing crops immediately after rains. Cover the harvested produce (if in the field) with polythene sheet. 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 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. Avoid contact with electrical equipment or cords. Keep away contact with anything metal - tractors, farm equipment and bicycles. As metal or other surfaces that conduct electricity. Don't allow your animals to congregate under trees. Watch your animals closely and try to keep them under your direct control.</p>
Chick pea	Storage	<p>Dry the threshed grains in sunlight for 5-6 days. Store the produce in a grainary and mix neem leaves in it. This helps to prevent pest infestation during storage.</p>
Summer Groundnut	Vegetative growth stage	<p>Apply irrigation to Summer Groundnut crop according to soil type and availability at an interval of 8 to 10 days. Hoeing and weeding operations should be carried out in standing crop to avoid competition for nutrients by weeds. Intercultural operations should not be carried out at peg initiation stage (35 to 45 days). Water stress should be avoided during peg formation to pod-development stage.</p>
Summer Pearl Millet (Summer Bajra)	Vegetative growth stage	<p>Apply irrigation to Summer Pearl Millet crop according to soil texture and the critical crop growth stages. Five to six irrigations should be given at an interval of 10 to 12 days. If water availability is limited, the first irrigation should be given at the time of tillering stage (20 to 25 days after sowing), the second irrigation should be given when the crop is in the boot stage (35 to 45 days after sowing), and the third irrigation should be given at the time of grain filling (60 to 65 days after sowing).</p>
Sugarcane	Vegetative growth stage	<p>For biological control of shoot borer use <i>trichogramma chilonis</i> (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.</p>
Rabi Sorghum	Storage	<p>Threshed grains should be dried in sunlight (moisture in grains should be less than 10%) and dried neem leaves should be mixed and stored. Care should be taken to avoid storage in damp & moist places.</p>
Wheat	Storage	<p>Threshed produce should be dried in sunlight and care should be taken to avoid storage in damp & moist places.</p>
Maize	Harvesting to storage	<p>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 use as</p>

		fodder. Matured crop should be harvested and it should be dried in sunlight. Care should be taken to avoid storage in damp & moist places.
Mango	Fruit formation stage	If floral malformation is observed on mango inflorescence it should be cut and destroyed and the cut area should be applied with a solution of copper oxychloride at 3 grams per liter of water. Similarly, if vegetative malformation is observed on new mango shoots it should be cut and destroyed and the cut area should be applied with a solution of copper oxychloride at 3 grams per liter of water. Due to the rising temperatures, water stress may occur which may lead to fruit drop. Hence, apply water according to availability. Try to keep weather cool in the orchards. Use mulching in the orchard to retain soil moisture.
Animal Management		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. Benefits of Phule Amrutkal App Download : 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.
Note: Farmers should take necessary precautionary measures while spraying insecticide, fungicide etc. and use Kisan Kavach Body Suite.		

Source:

- 1) Weather Forecast : Regional Meteorological Centre (RMC, Mumbai)
2) Last week weather summary : IMD observatory (CAGMO, A.C., Pune)

Place : COA, Pune

Date : 28.03.2025

Sd/-

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