



AGROMET ADVISORY BULLETIN
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Weather based Agromet Advisory committee meeting dated 20.12.2024

District Pune

Significant past weather of the preceding week and Weather Forecast

Last Week Weather Summary (14.12.2024 to 20.12.2024)							Weather Parameters	Weather Forecast (20.12.2024 to 24.12.2024)				
14	15	16	17	18	19	20	Date	21	22	23	24	25
0.0	0.0	0.0	0.0	0.0	0.0	0.0	Rainfall (mm)	0	0	0	0	0
28.7	27.8	29.5	29.2	29.8	29.3	32.2	Max. Temp. (0C)	32	32	31	32	33
10.1	9.0	7.9	8.0	9.0	8.9	12.5	Min. Temp. (0C)	12	11	12	14	15
							Cloud Cover	3	1	2	1	1
93	95	95	97	98	97	93	Max. RH (%)	80	81	84	82	81
33	26	18	22	22	30		Min. RH (%)	30	30	30	31	34
2.9	3.3	2.4	2.5	1.8	1.8	1.2	Wind Speed(km/hr)	2	4	3	3	5
							Wind direction (deg)	37	37	74	69	94

Agromet Advisory Based on Weather Forecast Prediction

Crop	Crop Stage	Advisory
Weather Summary/ Alert		According to forecast given by Regional Meteorological Centre, Mumbai of India Meteorological Department, the weather may remain dry during dt. 20 th to 24 th December, 2024 in the district.
Extended Range Forecast (ERFS)		As per ERFS products during 25 th to 31 st December, 2024 over Madhya Maharashtra (Dhule, Nandurbar, Jalgaon, Nashik, Ahmednagar, Pune, Satara, Sangli, Solapur, Kolhapur) division <ul style="list-style-type: none"> ➤ Rainfall may remain above normal. ➤ Maximum temperature may remain moderately below normal. ➤ Minimum temperature may remain normal.
General Advisory		<ul style="list-style-type: none"> • As there is possibility of cold weather condition, <i>rabi</i> crops and fruit orchards should be given irrigation as per requirement and availability in the night hours. • The intercultural operations should be carried out and proper irrigation should be provided as per availability and requirement to the crops. • 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 lightning and thunderstorm warning and forecasting.
Wheat	Crown root Initiation to tillering stage	Wheat crop should be given irrigation at critical growth stages for proper growth and development. During crown root initiation stage (18 to 21 days after sowing) crop should be irrigated. Due to present weather condition, for control of aphid spray thiamethoaxam 25% WG 1 gram per 10 liters of water.

Maize	Vegetative growth stage	Due to present weather condition, for control of American Army worm infestation spray neem ark 5% or emamectin benzoate 5% SG, 8 gm per liter of water.
Chick pea	Pod development stage	For irrigation of crop use sprinkler system to maximize the yield. Due to present weather as a precautionary measure for control of pod borer take a spray of 5% neem ark. Erect "T" shaped bird perches 50 per hectare in the field for control of pest. If the infestation is more chemical control by spraying of Azadirachtin 1500 PPM @ 50 ml per 10 liter should be carried out.
Pigeon pea	Pod development stage	Due to present weather condition, for control of pod borer install 5 pheromone traps per hectare and spray of 5% neem ark or neem based insecticide azadiractine 0.03 %, 300 PPM, 5 ml per liter of water. Integrated pest management practices should be followed for control of pod borer, plume moth, pod fly during pod development stage.
Rabi safflower	Vegetative Growth Stage	Due to present weather condition, for control of aphids and leaf eating caterpillar spray Acephate 16 g + Fenvalerate 10 ml per 10 liters of water.
Brinjal	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.
Banana		Due to present weather condition 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. Repeat this spray application two times with a 20-day interval between each spray.
Animal Management		For control and prevention of diseases, all animals should be given medicine and vaccination in consultation with veterinary doctor. The location of cattle shed should be at proper height and with ample sunlight and aeration available in the shed. Always give clean drinking water to animals. As there is possibility of cold weather condition to protect poultry birds from cold keep the poultry shed warm particularly during night and early hours in morning.

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 : IMD observatory (CAgMO, A.C., Pune)

Place : COA, Pune

Date : 20.12.2024

Sd/-

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