



AGROMET ADVISORY BULLETIN
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Weather based Agromet Advisory committee meeting dated 27.01.2023
District Pune

Significant past weather of the preceding week and Weather Forecast

Last Week Weather Summary (20.01.2023 to 26.01.2023)							Weather Parameters	Weather Forecast (27.01.2023 to 31.01.2023)				
20	21	22	23	24	25	26	Date	28	29	30	31	1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	Rainfall (mm)	0	5	8	0	0
31.6	31.4	30.0	30.9	30.6	30.6	30.0	Max. Temp. (0C)	32	33	33	32	32
10.8	12.7	11.3	11.5	12.2	13.5	16.0	Min. Temp. (0C)	15	14	15	13	12
							Cloud Cover	2	3	4	3	2
93	95	97	95	95	91	83	Max. RH (%)	53	65	54	39	51
22	35	31	29	36	38	39	Min. RH (%)	23	19	22	26	26
1.4	2.1	1.3	1.9	1.9	3.0	1.5	Wind Speed(km/hr)	10.6	10.4	12.1	10.8	15.3
							Wind direction (deg)	171	180	210	199	72

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 on dt. 27 th , 30 th & 31 st January, 2023 and there is possibility of rainfall at isolated places on dt. 28 th & 29 th January, 2023 in the district.
Extended Range Forecast (ERFS)		As per ERFS products during 01 st to 07 th February, 2023 over Madhya Maharashtra (Dhule, Nandurbar, Jalgaon, Nashik, Ahmednagar, Pune, Satara, Sangli, Solapur, Kolhapur) division <ul style="list-style-type: none"> ➤ Rainfall may remain below normal. ➤ Maximum temperature may remain below normal. ➤ Minimum temperature may remain normal.
General Advisory		<ul style="list-style-type: none"> • Harvesting of matured crops should be done preferably in the morning and the threshed produce should be kept at safe place and as there is possibility of rainfall the farm produce kept in the field should be covered properly. • 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 use of Damini mobile app for lightning and thunderstorm warning and forecasting.
Chickpea/ Bengal Gram	Flowering to 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.
Wheat	Crown root initiation to tillering stage	Irrigation scheduling for crop should be done at critical growth stages to get maximum yield. Apply second at 40 to 42 days after sowing and third at 60 to 65 DAS also the interval between two irrigations should be maintained properly according to the local conditions and soil depth & type. Due to present weather for control of aphids spray diamethoate 30% concentration 10 ml or imidyaclorpid 17.8 SL, 4 ml per 10 lit of water.
Safflower	grain filling to maturity stage	For control of aphids spray Metarhizium anasopli 50 gm. or diamethoate 30% concentration 10 ml per 10 lit of water. For control of leaf spot of safflower, spray the combined formulation fungicide Carbendazim 12 % + Mancozeb 63 % @ 20 g in 10 liter water immediately after disease appearance.
Pigeon pea	Pod development to maturity stage	For integrated pest management of pod borer, plume moth, pod fly spray HNPV bio insecticide @ 500 ml in 500 lit. of water for 1 ha. area and if necessary take spray of 18.5% concentrated chlorantriniliprole 150 ml or imamectine benzoate 200 gm per 500 lit. of water.
Summer groundnut	Sowing stage	Summer groundnut should be sown between 15 th January to 15 th February, 2023. Avoid sowing till temperature raise upto 15 to 18 degree Celsius. Prepare land for summer groundnut and apply FYM @ 5 ton/ha. Procure Groundnut seed of improved varieties like Phule Unnati, T.A.G-24, T.G-26, T.P.J-41, JL-501, S.B-11, Phule Bharti etc.
Sugarcane:	Planting	Prepare the field for sugarcane cultivation. Before planting dip the sugarcane stumps in solution prepared from 100 lit. water + 300 ml malathion + 100 gm carbendanzim (Bavistin) for 10 minutes. Due to this the fungal infestation and scale insects are controlled. After this dip the stumps in solution prepared by mixing azotobactor and PSB bio fertilizer @ 10 kg and 1.25 kg per 100 lit. of water respectively for 30 minutes before planting. Due to this there is saving in nitrogenous and phosphorous fertilizers to the tune of 50 and 25 % respectively.
Brinjal	Vegetative growth stage	Due to present weather condition for control of shoot & fruit borer in brinjal spray 4% neem ark 50 ml per 10 lit. of water or cypermethrine 25%, 5 ml per 10 lit. of water. Damaged shoot and fruits should be removed and destroyed weekly.
Knoll crops	Vegetative growing stage	For control of aphids on cabbage and borer on cauliflower spray malathion 50 EC 20 ml per 10 lit. of water or apply 4 % neem extract.
Chilli	Vegetative growth stage	For control of thrips spray alternately imidyachlorpid 17.8 SL, 5 ml or fipronil 5 SC, 15 ml per 10 lit. of water
Onion	Vegetative growth stage	For control of thrips spray alternately diamethoate 30% concentrate 15 ml or lyambda psyhalothrine 5% concentrate 6 ml per 10 lit. of water
Banana		Farmers are advised to cover the banana bunches with 6% perforated plastic bags for control of thrips. For control of aphids spray diamethoate 20 ml per 10 lit. of water. Cultivation of crop such as cucumber, gourd, watermelon, muskmelon, chilli, brinjal etc. should be avoided in banana plantation.
Mango		For control of various insect pest and diseases on new shoots of mango plants spray 5% E.C. lymda psyhalothrin 6 ml or quinolphos 25 ml + water soluble sulphur 25gram per 10 lit. of water.
Animal Management		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 disease animals should be given vaccine and medicine in consultation with veterinary doctor. For protection from cold weather more

		watt bulbs should be kept in the poultry barn and cattle sheds. Young goats and lambs should be kept in shelter/ shed. If the number of animals is large electric bulbs of 200 to 500 watts should be installed at a height to maintain warm condition. Keep cattles inside the sheds during night and provide dry bedding to protect them from cold. The dew gets accumulated on the grass in the early morning hence the animals should be taken for grazing after some time in morning. In case of cold, cows and buffaloes should be covered with gunny bags. Increase protein level and minerals in the feed concentrate to keep the animals healthy to cope up with the cold condition.
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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 : 27.01.2023

Sd/-

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