



AGROMET ADVISORY BULLETIN
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Weather based Agromet Advisory committee meeting dated 16.04.2024
District Pune

Significant past weather of the preceding week and Weather Forecast

Last Week Weather Summary (10.04.2024 to 16.04.2024)							Weather Parameters	Weather Forecast (16.04.2024 to 20.04.2024)				
10	11	12	13	14	15	16	Date	17	18	19	20	21
0.0	0.0	0.0	0.0	0.0	0.0	0.0	Rainfall (mm)	6	4	3	0	0
38.8	39.5	38.7	38.0	38.9	39.9	40.3	Max. Temp. (0C)	38	39	39	38	40
19.1	20.1	21.3	18.0	18.4	22.3	25.0	Min. Temp. (0C)	20	21	22	21	21
							Cloud Cover	4	5	4	3	5
54	51	74	56	66	55	72	Max. RH (%)	49	58	51	48	48
15	15	24	12	15	25		Min. RH (%)	23	23	22	22	21
4.1	3.5	3.8	4.4	5.1	3.4	3.7	Wind Speed(km/hr)	14	14	16	17	15
							Wind direction (deg)	225	270	292	335	289

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. 16th, 17th, 18th & 20th April, 2024 and the weather may remain dry on dt. 19th April, 2024 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 (30 to 40 kmph), lightening and rainfall on dt. 16th, 17th & 18th April, 2024 and along with warm nights.</p>
Extended Range Forecast (ERFS)		<p>As per ERFS products during 21st to 27th April, 2024 over Madhya Maharashtra (Dhule, Nandurbar, Jalgaon, Nashik, Ahmednagar, Pune, Satara, Sangli, Solapur, Kolhapur) division</p> <ul style="list-style-type: none"> ➤ Rainfall may remain above normal. ➤ Maximum temperature may remain below normal. ➤ Minimum temperature may remain normal.
General Advisory		<ul style="list-style-type: none"> • As there is possibility of rainfall harvesting of matured crops should be done. Store the harvested & threshed produce at safe storage places. If threshing is not possible the harvested produce should be covered properly. • As there is possibility of rainfall at isolated places avoid water logging condition and excess rainwater in the standing crop should be drained out by providing drainage facility. • For protection from untimely rains the stored grains should be shifted at safe storage. • Spraying of insecticide and pesticide should be done by considering the

		<p>forecasted rain and preferably when there is no rain.</p> <ul style="list-style-type: none"> • Cattle should be kept at safe places in cattle shed. • Standing crops and fruit orchards should be given irrigation as per requirement and availability. • 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.
Summer Groundnut	Pegging to pod development stage	Intercultural operation should be avoided after starting of peg formation. For control of sap sucking pests spray the crop with methyl dimeton 25 EC 10 ml per 10 liters of water. Due to cloudy weather condition for control of tikka disease spray the crop with Mancozeb 2.5 gram or Carbendezium 1 gram mixed in 1 liter of water.
Onion	Harvesting stage	As there is possibility of rainfall harvesting of matured crops should be done earliest. After harvesting of onion keep them for drying along with leaves for 3-4 days in the field. For this keep the uprooted onions in rows by covering half of them by leaves. After drying cut the leaves by 4 cm apart from onion. The harvested produce should be covered properly and stored at safe storage places as there is possibility of rainfall.
Sugarcane	Post Harvesting stage	For control of white grub deep ploughing should be carried out in the field after complete harvest of the crop. For control of white grubs apply Metarhizium Anisopli 5 kg per hectare along with FYM.
Banana	Vegetative growth stage	As there is possibility of rainfall give support of bamboo sticks or polypropelene sticks to the plants and banana bunch which is big. 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	Vegetative growth stage	In keshar mango for flowering and yield increasing apply 1% potassium dihydrogen phosphate (100 gm per 10 lit. of water) at flowering stage and after one month spray 1 % potassium nitrate (100 gm per 10 lit. of water).
Grapes	April pruning	Timely pruning should be done and the pruned leaves and vines should not be left in the orchard and dispose it off properly.
Animal Management		As there is possibility of rainfall cattle should be kept at safe places in cattle shed. 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. The cattles should be avoided by over feeding of sugarcane trash. Per day about 8 kg of green sugarcane trash along with green fodder and dried fodder should be given. The silage and 25 to 30 gm salt mixture is essential to be given to animals.

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 : 16.04.2024

Sd/-

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