



AGROMET ADVISORY BULLETIN

GRAMIN KRISHI MAUSAM SEWA, DISTRICT AGROMET
UNIT, KRISHI VIGYAN KENDRA, MOHOL, SOLAPUR.



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397) Weather based Agromet Advisory committee meeting dated 16.04.2024

District: Solapur

Last Week Weather Summary (10.04.2024 to 16.04.2024)							Weather Parameters	Weather Forecast (17.04.2024 to 21.04.2024)				
10	11	12	13	14	15	16	Date	17	18	19	20	21
0.7	0.0	6.0	0.0	3.2	0.0	--	Rainfall (mm)	4.0	6.0	3.0	0.0	1.0
40.2	40.0	39.4	--	37.7	38.6	--	Max. Temp. (°C)	41	42	41	41	42
27.1	--	23.4	--	23.6	--	--	Min. Temp. (°C)	28	28	29	28	27
Clear Sky	--	Clear Sky	--	Partially Cloudy	Partially Cloudy	--	Cloud Cover	Partially Cloudy	Partially Cloudy	Cloudy	Partially Cloudy	Partially Cloudy
86	60	95	--	94	--	--	Max. RH (%)	41	46	42	35	38
60	--	80	--	--	35	--	Min. RH (%)	31	34	35	34	35
3.7	3.7	3.7	3.7	3.7	3.7	--	Wind Speed(km/hr)	15	16	17	19	21

Agromet Advisory Based on Weather Forecast Prediction

Crop	Stage	Advisory
	Weather Summary	<p>According to the Regional Meteorological Centre Mumbai's forecast, there is a possibility of partially cloudy sky during dt. 16th April to 21th April, 2024. During dt. 16th April to 21th April, 2024, there is a possibility of light rainfall at isolated places in the district.</p> <p>During next five days maximum temperature will remain nearby 41°C to 42°C, while minimum temperature will remain nearby 27°C to 29°C. Morning relative humidity will remain between 35 to 46 % and afternoon relative humidity will remain 31 to 35 %. Wind speed will remain up to 15 Km/h to 21 km/h.</p> <p>Warning: According to the forecast provided by the Regional Meteorological Centre in Mumbai of the India Meteorological Department on April 16th to 18th April, 2024, isolated places in the district may experience thunderstorms accompanied by lightning, light to moderate rainfall, and gusty winds (ranging from 30 to 40 kmph) and warm nights.</p>
	Extended Range Forecast (ERFS)	<p>As per ERFS products during 21st April, 2024 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 below normal. ➤ Minimum temperature may remain normal.
	General Advisory	<ul style="list-style-type: none"> ➤ As there is possibility of thunderstorms accompanied by lightning, light to moderate rainfall, and gusty winds, so harvesting of late sown matured <i>rabi</i> 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. ➤ The prevailing warm night condition may continue for next three days so farmers are advised to take precautionary measures accordingly. ➤ Apply light and frequent irrigation to the standing crops, increase the frequency of irrigation at critical growth stages, irrigate only during the



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		<p>evening or early morning and use sprinkler irrigation if possible.</p> <ul style="list-style-type: none">➤ Mulching should be done with crop residue, straw / polythene to conserve soil moisture as well as maintain soil temperature.➤ For protection from rains the stored grains should be shifted at safe storage.➤ Spraying of insecticide and pesticide should be done by considering the forecasted rain and preferably when there is no rain.➤ Harvesting of matured crops should be done preferably in the morning and the threshed produce should be kept at safe place.➤ Farmers should download "Meghdoot" android application on mobile for Agromet Advisory Services and "Damini" android application for forecast of lightening. <p>❖ Care should be taken by farmers during thunderstorm, lightening :</p> <ul style="list-style-type: none">➤ In view 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.➤ Cover the harvested produce (if in the field) with polythene sheet.➤ Avoid contact with electrical equipment or cords.➤ Don't allow your animals to congregate under trees.
	SMS Advisory	<ul style="list-style-type: none">➤ As there is a possibility of thunderstorm accompanied with, lightening, light to moderate rainfall and gusty winds (30 to 40 kmph), at isolated places in the district of Solapur. Carry out the harvesting of late sown matured rabi crops like sorghum, wheat, maize etc.
Sugarcane		<p>Suru Sugarcane: If the stems are drying due to stem borer, apply 7.5 kg of chlorantraniliprole (0.4 gm) or 10 to 12 kg of fipronil (0.3 gm) per acre. Otherwise Spray chlorpyrifos (20 EC) 2 ml per liter of water. During April month the rate of evaporation increases up to 8.73 mm per day. Sugarcane crop needs 7.21 liters of water per day thus for fulfilling that requirement Drip Irrigation Unit(4liters dripper) need to run for 1 hour and 48 minutes daily.</p>
Summer Groundnut	Pod formation stage	<p>Groundnut crop should not be exposed to water stress during pod formation stage (65 to 70 days). If water available give protected irrigation.</p> <p>Leaf-eating larvae have been found in some places in groundnut crop. For control, spray Chlorpyrifos 20 ml per 10 liters of water in a clean environment.</p>
Vegetable		<p>Harvesting of mature vegetable crops, Watermelon, Muskmelon etc. should be done. Collect and destroy damaged vegetables, watermelon, muskmelon fruits due to there is possibility of thunderstorms accompanied by lightning, light to moderate rainfall, and gusty winds. Infestation of disease may observe in vegetable crops due to isolated rainfall and cloudy weather, for management drenching of Carbendazim @ 30 g per 10 liter of water should be done.</p>
Onion	Harvesting	<p>As there is possibility of thunderstorms accompanied by lightning, light to moderate rainfall, and gusty winds, harvesting of matured crops should be done immediately and keep harvested crops in safe place/ shed or covered with plastic paper</p>



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Banana	Fruit Development	As there is possibility of thunderstorms accompanied by lightning, light to moderate rainfall, and gusty winds collapse big bunch banana tree. Give support of bamboo sticks to the banana plant and bunch or tight the plants and banana bunch with polypropelene strips.
Grapes	Ripening to harvest stage	As there is possibility of thunderstorms accompanied by lightning, light to moderate rainfall, and gusty winds, harvesting of mature grapes should be done as early as possible and store it at safe places Due to isolated thunderstorm, rainfall collect and destroy infected fruits.
Pomegranate		As there is possibility of thunderstorms accompanied by lightning, light to moderate rainfall, and gusty winds, harvesting of mature pomegranate should be done as early as possible and store it at safe places Current rainfall condition is favorable for increasing infestation of bacterial blight disease in pomegranate orchard. For management of bacterial blight disease take a spray of Bronopol (95-98 %) @ 0.5 g/L + Copper oxychloride @ 2 to 2.5 g/L + Spreader sticker @ 0.5 ml/L after rainfall.
Animal Management		<ul style="list-style-type: none">➤ As there is possibility of thunderstorms accompanied by lightning, light to moderate rainfall, and gusty winds, do not allow animals for grazing during warning period. Keep the animals at safe place.➤ Buffalos having very low sweat glands and their skin is black coloured thus they get more trouble due to increased temperature so allow Buffaloes for wallowing during summer season.➤ Keep the cattle's under shade. If possible sprinkle water 4 to 5 times throughout day.➤ Provide sufficient, pure and cool water for drinking to animals. Give protein rich green fodder and mineral mixture to animals. Do not allow animals for grazing during afternoon hours.

Source

- 1) Weather Forecast : Research Section, Mumbai.
- 2) Last week weather summary : Zonal Agriculture Research Station, Solapur.

Place : Krishi Vigyan Kendra, Mohol.

Date :16th April 2024

Sd /-

**Nodal Officer, DAMU, Krishi Vigyan Kendra, Mohol,
Solapur.**