



AGROMET ADVISORY BULLETIN
GRAMIN KRISHI MAUSAM SEWA, AMFU, KOLHAPUR
ZONAL AGRICULTURAL RESEARCH STATION,
SHENDA PARK, KOLHAPUR



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Weather based Agromet Advisory committee meeting dated 16.04.2024

District: SATARA

Last Week Weather Summary (10.0.2024 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
-	-	-	-	-	-	-	Rainfall (mm)	6	7	5	0	0
-	-	-	-	-	-	-	Max. Temp. (°C)	41	41	42	40	41
-	-	-	-	-	-	-	Min. Temp. (°C)	26	25	25	25	24
-	-	-	-	-	-	-	Cloud Cover	4	5	3	4	6
-	-	-	-	-	-	-	Max. RH (%)	62	72	52	42	39
-	-	-	-	-	-	-	Min. RH (%)	33	37	35	32	32
-	-	-	-	-	-	-	Wind Speed(km/hr)	13	14	13	15	14
-	-	-	-	-	-	-	Wind Direction	W	WNW	WNW	WNW	WNW

Agromet Advisory Based on Weather Forecast Prediction

Crop	Stage	Advisory
Weather Summary/ Alert		Weather forecast given by Regional Meteorological Centre, Mumbai has indicated that there is possibility of possibility of partially cloudy sky on 17th, 19th and 20th April and generally cloudy sky on 18th and 21st April in Satara district. There is forecast of light rainfall at isolated places in Satara district on 17th, 18th and 19th April. During next 5 days Maximum temperatures will remain nearby 40.0 to 42.0°C and minimum between 24.0 to 26.0°C respectively. Morning relative humidity will remain nearby 39 to 72% and Afternoon relative humidity will remain 32 to 37%. Wind speed will remain from 13 to 15 km/hr. According to Extended Range Forecast (ERF) in Madhya Maharashtra Sub Division rainfall will remain above normal, maximum temperature will remain below Normal and minimum temperature will remain normal valid from 17 th to 23 rd April, 2024
Weather warning		Thunderstorm accompanied with lightning, light to moderate rain and gusty winds with speed reaching 30- 40 kmph and warm nights very likely to occur at isolated places and warm nights in some parts in the districts of Satara on 16 th April Thunderstorm accompanied with lightning, light to moderate rain and gusty winds with speed reaching 30-40 kmph very likely to occur at isolated places in the districts of Satara on 17 th April
General Advisory		<ul style="list-style-type: none"> ➤ Farmers should carry out farm operations during early morning or late evening hours. Working in field during afternoon hours should avoided as there is forecast of increase in Tmax upto 42.0°C. While going out farmers should wear slightly loose and light coloured cloths. Farmers should wear cap, handkerchief and Umbrella for protection from bright shunshine. ➤ Possibility of increase in maximum temperature up to 42°C thus farmers should take care of themselves and their cattle's. ➤ Use drip and sprinkler irrigation system to irrigate summer crop. ➤ Provide sufficient pure and cool water to animal to drink. Give sufficient protein containing diet, sufficient green fodder and Mineral mixture to animals. ➤ Carry out mulching in fruit and vegetable crop. Provide irrigation to crop during morning or evening hours. ➤ During high temperature avoid applying fertilizers to crop.
SMS Advisory		➤ To protect the newly planted fruit crops from bright sunshine hours provide shade to the newly planted fruit crops
Sorghum	Maturity	➤ If possible keep Sorghum fodder (<i>Kadaba</i>) at safe place otherwise Cover the Sorghum fodder (<i>Kadaba</i>) with polythene sheets.



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Groundnut	Pod development	<ul style="list-style-type: none">➤ For fulfilling the deficiency of micronutrients in standing crop spray the crop with 0.5% Fe and 0.2% Zinc Sulphate mixture at 50 and 70 days after sowing.➤ Give irrigation with interval of 7 to 10 days to Summer Groundnut crop according to soil type.
Sugarcane	Vegetative Growth	<ul style="list-style-type: none">➤ Give irrigation to Sugarcane crop with interval of every 10 to 12 days. During April month carry out mulching in Sugarcane with Sugarcane trash. If there is low availability of water give irrigation in alternate furrows.
Chilli	Fruit development	<ul style="list-style-type: none">➤ Due to dry weather from last week there is possibility of incidence of Mites. If incidence observed then spray the crop with Fenpropathrin 30% EC 5 ml or Fenazaquin 10% E.C. 25 ml per 10 liters of water.
Mango	Fruit development	<ul style="list-style-type: none">➤ Carry out harvesting of mango fruit at 80 to 85% maturity stage. Harvesting should be done with help of nutan mango harvester keep the harvested fruits at safe place as rainfall is forecasted.➤ Keep the harvested fruits in shade to prevent development of spongy tissue and from heat. Transport of matured fruit should be done during night. Do not spray the plant with any type of fungicide or insecticide at least 8 days before harvesting of fruit.
Banana	Growth	<ul style="list-style-type: none">➤ Due to the gusty winds there is possibility of lodging Banana plants thus give support to Banana plants.
Coconut	Growth	<ul style="list-style-type: none">➤ There is possibility of increase in intensity of solar radiation thus give shade with help of shade net to protect the plant from high intensity of sunlight.
Animals	Growth	<p>Possibility of increase in maximum temperature upto 42.0°C thus following measures should be taken for protection of cattle's from heat...</p> <ul style="list-style-type: none">➤ 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 through out day.➤ Do not allow animals for grazing during afternoon hours.

Source:

- 1) Weather Forecast : Research Section, Mumbai
- 2) Last week weather summary : IMD observatory (ZARS,KOLHAPUR)

Place : ZARS, KOLHAPUR

Date : 16.04.2024

Sd/-
Nodal Officer, GKMS, &
Associate Director of Research,
ZARS, Kolhapur