



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 28.01.2022

District: SATARA

Last Week Weather Summary (22.01.2022 to 28.01.2022)							Weather Parameters	Weather Forecast (29.01.2022 to 02.02.2022)				
22	23	24	25	26	27	28	Date	29	30	31	01	02
0	0	0	0	0	-	-	Rainfall (mm)	0	0	0	0	0
32.9	29.8	26.8	25.8	27.5	-	-	Max. Temp. (°C)	29	31	31	30	29
14.2	13.6	14.9	14	13.6	-	-	Min. Temp. (°C)	15	16	18	17	16
2	7	2	0	0	-	-	Cloud Cover	0	0	0	1	0
79	74	80	81	78	-	-	Max. RH (%)	65	65	60	60	60
40	63	65	36	62	-	-	Min. RH (%)	50	50	43	40	40
0	0	0	0	0	-	-	Wind Speed(km/hr)	10	7	5	8	7
0	0	0	0	0	-	-	Wind Direction	E	ENE	NE	SE	SE

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 mainly clear sky from 29 th January to 2 nd February in Satara district. During next 5 days Maximum temperatures will remain nearby 29.0 to 31.0°C and minimum between 15.0 to 18.0°C respectively. Morning relative humidity will remain between 60 to 65% and Afternoon relative humidity will remain 40 to 50%. Wind speed will remain from 05 to 10 km/hr. According to Extended Range Forecast (ERF) in Madhya Maharashtra Sub Division maximum temperature will remain below normal and minimum temperature will remain normal valid from 2 nd to 8 th February, 2022.
General Advisory		<ul style="list-style-type: none"> ➤ Farmers should download "Meghdoot" android application on mobile for Agromet Advisory Services and "Damini" android application for forecast of lightening. ➤ Give irrigation to fruit crops during night time for maintaining temperature in orchard. ➤ Carry out mulching to fruit orchards for maintaining temperature in Orchards. ➤ Postpone sowing of Groundnut for next 5 days as minimum temperature (Night temperature) remains below 18°C.
SMS Advisory		<ul style="list-style-type: none"> ➤ Carry out spraying of 19:19:19 water soluble fertilizer @ 200 gram per 10 liters of water after 70 days of sowing of Wheat crop.
Rabbi Sorghum	Grain filling to maturity	<ul style="list-style-type: none"> ➤ Protect matured sorghum crop from Birds. ➤ At the maturity stage the tip of sorghum grain gets black spot. Carry out harvesting of matures crop. Keep the earheads under sunlight for 8 to 10 days for proper drying.
Wheat	Flowering to grain filling	<ul style="list-style-type: none"> ➤ For control of Aphid infestation on Wheat spray the crop with Thiamethoaxam 25% WG 50 gram per hector through mixing in 500 liters of water. ➤ Give irrigation to crop 80 to 85 days after sowing at grain filling stage of wheat crop. ➤ Carry out spraying of 19:19:19 water soluble fertilizer @ 200 gram per 10 liters of water after 70 days of sowing.
Chick pea	Flowering to pod filling	<ul style="list-style-type: none"> ➤ For control of gram pod borer install bird perches into chickpea crop and install 5 pheromone traps per hector. ➤ For control of gram pod borer take the spray of Heliokill 500 ml per 500 liter of water per hector.
Strawberry	Fruit maturity	<ul style="list-style-type: none"> ➤ Due to partially cloudy weather there is possibility of incidence of leaf roller, leaf eating caterpillar, thrips and sap sucking pest. If infestation observes then spray the crop with Neem containing insecticide. Use Blue and Yellow coloured sticky traps. Harvesting of fruits is in progress thus avoid use of chemical insecticide. ➤ Carry out harvesting of Strawberries 85 to 90 days after planting according to maturity of varieties. Carry out harvesting when fruits get red coloured. Use precooling and Cold storage for storage of harvested Strawberries. Life of Strawberry fruits increases by two times by keeping strawberries in



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		0 to 4 degree Celsius temperature for 4 hours.
Sugarcane	Preseasonal Sugarcane	<ul style="list-style-type: none">➤ Preseasonal Sugarcane: Give the fertilizer dose of Nitrogen 136 kg (295 kg Urea) at 6 to 8 weeks after planting of sugarcane.➤ During January month the rate of evaporation increases up to 4.07 mm per day thus sugarcane plant requires 2.24 liters water per day to fulfill that requirement it is need to run Drip irrigation unit (4 liters dripper) for 34 minutes per day.
Grape	Berry development	<ul style="list-style-type: none">➤ Due to persisting high humidity and low temperature there is possibility of increase in incidence of powdery mildew disease on grape thus to control take One spray of Ampelomyces quisqualis @5g per liter of water.➤ Give irrigation to Grape vine yard during night time for maintaining temperature.
Pomegranate	Growth	<ul style="list-style-type: none">➤ There is possibility of incidence of Aphids, Thrips, Whitefly and Fruit Borer thus to control take the spray of Cyantraniliprole 10.26% OD 7 to 9ml per 10 liters of water.
Banana	Fruit development	<ul style="list-style-type: none">➤ Apply light and frequent irrigation in the evening hours to protect the crops from cold injury.➤ Cover banana bunches with porous polythene bags.
Ginger	Maturity	<ul style="list-style-type: none">➤ Carry out harvesting of matured rhizomes as per the market demand. Wash the harvested rhizomes with water and keep at safe place.
Animals	Growth	<ul style="list-style-type: none">➤ Keep cattle's inside the sheds during night and provide dry bedding to protect them from cold.➤ Increase protein level and minerals in the feed concentrate to keep the animals healthy to cope up with the cold condition.➤ Give animals mineral mixture along with salt regularly and also wheat grains, jaggery etc. @ 10%-20% in the daily ration during winter season to meet the energy requirement of the animals.➤ Do not keep cattle/goat in the open during night time.
Poultry	Growth	<ul style="list-style-type: none">➤ In Poultry, keep the chicks warm by providing artificial light in the poultry sheds.

Source:

1) Weather Forecast

: Research Section, Mumbai

2) Last week weather summary

: IMD observatory (ZARS,KOLHAPUR)

Place : ZARS, KOLHAPUR

Sd/-

Date :28.01.2022

**Nodal Officer, GKMS, &
Associate Director of Research,
ZARS, Kolhapur**