



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 28.01.22

District: KOLHAPUR

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	0	0	Rainfall (mm)	0	0	0	0	0
33	29.9	28.2	27	28.2	27.5	28.2	Max. Temp. (0C)	30	31	30	29	29
14	14.2	16.5	12	12	13.5	15.5	Min. Temp. (0C)	22	22	20	20	20
6	0	7	0	0	0	0	Cloud Cover	1	0	0	2	1
1	3	1	0	0	2	-						
91	97	96	97	95	89	98	Max. RH (%)	60	59	53	58	51
44	41	47	48	52	48	-	Min. RH (%)	46	45	43	45	40
0.6	1.5	1.8	0.8	1.3	0.5	0.8	Wind Speed(km/hr)	12	9	5	6	6
E	NE	E	SE	S	SW	NW	Wind Direction	E	ENE	E	ENE	NE
SSE	NNE	S	N	N	W	-						
Rainfall previous week (mm)				Rainfall since 01.01.2022 (mm)				Rainy days since 01.01.2022				
0				0.0				0				

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 Kolhapur district. During next 5 days Maximum temperature will remain nearby 29.0 to 31.0°C while minimum temperature will remain nearby 20.0 to 22.0°C. Morning relative humidity will remain between 53 to 60% and Afternoon relative humidity will remain 40 to 46%. Wind speed will remain up to 5 to 12 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. ➤ Farmers should download and install "Phule Irrigation Scheduler (PSI)" in their android mobile for effective irrigation management of irrigation according to crop stage and type of soil and important information regarding water requirement of crop and run time of irrigation unit. ➤ Give irrigation to fruit crops during night time for maintaining temperature in orchard.
SMS Advisory		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.
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.
Maize	Vegetative growth to Tasseling	Control of American Fall Army Worm <ul style="list-style-type: none"> ➤ Chemical Control: 1. At the initial growth stage of larva i.e. up to the 1 to 3 instar spray the crop with 5% Neem Seed Kernel Extract @5 ml per liter of water or 2. Take the spray of Thiamethoaxam 12.6%+Lambda Cyhalothrin 9.5% Z C @0.5 ml per liter of water or 3. Take the spray of Chlorantraniliprole 18.5 %S.C. @0.3ml per liter of water. ➤ Do not give green maize fodder to cattle's immediate after spraying of insecticide and do not use this green maize fodder for silage making immediate after spraying.
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.



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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 hectore.➤ For control of gram pod borer take the spray of Heliokill 500 ml per 500 liter of water per hectore.
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.
Tomato	Flowering to fruit development	<ul style="list-style-type: none">➤ Due to high humidity during morning hours there is possibility of Blight on Tomato. To control spray the crop with Azoxistrobin 10 ml per 10 liters of water.
Okra	Flowering to fruit development	<ul style="list-style-type: none">➤ For control of Fruit Borer in Okra take the spray of Deltamethrin 2.8%EC 8 ml or Lambda Cyhalothrin 5% E.C. 6 ml per 10 liters of water.➤ Use 10 Trichocards per hectore.
Chilli	Growth	<ul style="list-style-type: none">➤ Due to dry weather there is possibility of Mites infestation on Chilli crop thus to control spray the crop with Fenazaquin 10 EC 25 ml per 10 liters of water.
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, jaggary 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

Date : 28.01.2022

Sd/-

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