



# AGROMET ADVISORY BULLETIN

## GRAMIN KRISHI MAUSAM SEWA, AMFU, KOLHAPUR

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Weather based Agromet Advisory committee meeting dated 17.01.2020

**District: KOLHAPUR**

Last Week Weather Summary (11.01.2020 to 17.01.2020)							Weather Parameters	Weather Forecast (18.01.2020 to 22.01.2020)				
11	12	13	14	15	16	17	Date	18	19	20	21	22
0.0	0.0	0.0	0.0	0.0	0.0	0.0	Rainfall (mm)	0	0	0	0	0
28.2	29.0	28.8	31.3	31.0	31.0	28.5	Max. Temp. (0C)	29	30	30	28	29
16.5	15.0	14.0	15.3	14.8	13.0	11.0	Min. Temp. (0C)	16	17	18	17	17
0	0	0	0	0	2	0	Cloud Cover	0	0	1	2	4
88	86	97	99	98	95	89	Max. RH (%)	58	63	61	63	63
57	48	39	36	39	39	39	Min. RH (%)	28	29	34	38	29
2.9	2.2	1.7	0.5	0.9	1.4	3.6	Wind Speed(km/hr)	4	6	4	4	5
E	E	SW	W	SW	SW	SW	Wind Direction	NE	NE	ESE	E	ENE

#### Agromet Advisory Based on Weather Forecast Prediction

Crop	Stage	Advisory
Weather Summary/ Alert		➤ Weather forecast given by IMD has indicated that there is possibility of partly cloudy weather from 20 <sup>th</sup> to 22 <sup>nd</sup> January in Kolhapur district. Maximum temperatures will remain up to 28.0 to 30.0°C while minimum temperatures will remain 16.0 to 18.0°C respectively. Wind speed (kmph) will remain up to 04 to 06 km/ph.
General Advisory		➤ Protects the cattle's from cold as there is possibility of decrease in minimum temperature. ➤ Use drip irrigation for vegetable crop and use plastic mulch for efficient use of water.
SMS Advisory		➤ Possibility of partly cloudy weather from 20 <sup>th</sup> to 22 <sup>nd</sup> January in Kolhapur district.
Wheat	Tillering	➤ Use sprinkler irrigation for late sown Wheat crop for minimizing and maintaining temperature in crop. ➤ For control of Aphids in Wheat take the spray of insecticide like Dimethoate 30% @10ml or Imidacloprid 17.8 S.L. @4ml per 10 liters of water. ➤ For control of Rust spray the crop with Mancozeb @1.5 kg mixed in 500 liters of water.
Maize	Vegetative growth to Tasseling	<b>Control of American Fall Army Worm</b> ➤ 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 Thiamethoxam 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	Flowering to Grain Filling	➤ Give irrigation to the Sorghum crop grown in medium soils at 90 to 95 days after sowing i.e. grain filling stage of Sorghum crop
Chick Pea	Flowering to pod filling	➤ For effective control of Gram Pod Borer take the spray of 18.5 % Chlorantraniliprole @ 100 ml per hectare mixed in 500 liter of water.
Groundnut	Sowing	➤ Carry out sowing of groundnut crop during 15 <sup>th</sup> January to 15 <sup>th</sup> February.



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		Select S.B.-11,T.A.G.24, T.G.-26, J.L. 501, Phule Unnati varieties for sowing. Complete the sowing only if the Night minimum temperature remains 18.0°C or above it. Give fertilizer dose @ 25 kg Nitrogen and 50 kg Phosphorus per hectare at sowing time.
<b>Sugarcane</b>	Growth	➤ Complete the Sugarcane planting between up to 15 <sup>th</sup> February select the varieties Co.86032 (Nira) and Co.M.0265 (Phule 265). Planting of sugarcane with the 30 to 45 old nursery plants grown from single bud in nursery is very beneficial compared to planting method with sets as it saves irrigation, weeding, fertilizer and supervision required during 30 to 45 days period. For planting of Sugarcane with sets select 9 to 10 month old healthy, genetically pure sugarcane sets.
<b>Onion</b>	Growth	➤ For control of Thrips in Onion take the spray of Dimethoate 30 % E.C. @ 15 ml or Lambda Cyhalothrin 5 % E.C. 6 ml mixed in 10 liters of water.
<b>Mango</b>	Vegetative flush & flower bud initiation	➤ There is possibility of incidence of mango hoppers at the time of flower bud initiation of Mango, therefore it is advise to spray Lambda cyhalothrin 5%EC @ 6 ml per 10 liter of water. Also add Hexaconazole 5% @ 5 ml or wettable Sulphur 80% @ 20 gm per 10 liter in water for control of powdery mildew disease.
<b>Watermelon</b>	Growth	➤ Carry out sowing of Watermelon for Summer season. Use Sugar Baby, Arka Manik, Arka Jyoti varieties for sowing. Use 2.5 to 3.0 kg of seeds/hectare.
<b>Animals</b>	Growth	➤ Protect the animals and poultry birds from cold by covering open side of Cattle shade and Poultry house with curtains/ gunny bags.

**Source:**

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

**Place : ZARS, KOLHAPUR**

**Date : 17.01.2020**

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