



**AGROMET ADVISORY BULLETIN**  
**GRAMIN KRISHI MAUSAM SEWA, AMFU, KOLHAPUR**  
**ZONAL AGRICULTURAL RESEARCH STATION,**  
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**Weather based Agromet Advisory committee meeting dated 28.07.2020**

**District: KOLHAPUR**

Last Week Weather Summary (22.07.2020 to 28.07.2020)							Weather Parameters	Weather Forecast (29.07.2020 to 02.08.2020)				
22	23	24	25	26	27	28	Date	29	30	31	01	02
0.0	0.0	0.0	0.6	1.3	4.4	0.8	<b>Rainfall (mm)</b>	11	15	16	15	60
31.2	31.4	29.2	28.5	29.1	28.5	29.1	<b>Max. Temp. (0C)</b>	29	29	30	30	30
20.2	21.0	21.5	20.0	20.2	19.5	20.0	<b>Min. Temp. (0C)</b>	23	23	23	23	23
6	6	8	8	8	5	4	<b>Cloud Cover</b>	7	8	8	8	8
90	93	91	93	99	95	96	<b>Max. RH (%)</b>	94	93	93	93	93
65	69	90	70	73	69	-	<b>Min. RH (%)</b>	68	68	71	70	72
0.3	0.3	0.4	0.2	1.0	1.6	0.7	<b>Wind Speed(km/hr)</b>	6	7	6	10	8
SW	SW	S	S	S	S	S	<b>Wind Direction</b>	W	W	SW	WSW	W

**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 moderate rainfall at fairly widespread places from 29 <sup>th</sup> July to 02 <sup>nd</sup> August in Kolhapur district. Maximum temperatures will remain 29.0 to 30.0 <sup>o</sup> C while minimum temperatures will remain up to 23.0 <sup>o</sup> C respectively. Wind speed (kmph) will remain up to 06 to 10 km/ph.
General Advisory		<ul style="list-style-type: none"> <li>➤ Carry out hoeing / Weeding in kharif crop.</li> <li><b>Advice regarding protection and prevent infection from Coronavirus (COVID 19) disease.</b></li> <li>➤ While going to purchase agricultural inputs in market follow social distancing, always wear mask. Sanitize hands with sanitizer or wash hands frequently.</li> </ul>
SMS Advisory		<ul style="list-style-type: none"> <li>➤ Heavy rainfall is likely to occur on 29<sup>th</sup> July in ghat areas of Kolhapur district and thunderstorm accompanied with lightning and heavy rainfall is likely to occur at isolated places in Kolhapur district of on 1<sup>st</sup> August.</li> </ul>
Rice	Tillering	<ul style="list-style-type: none"> <li>➤ According to growth stages of paddy crop keep the water level in rice as from rice transplanting to stabilization of plants keep 1 to 2 cm water level while at the time of primary growth stage of plants keep water level in paddy field up to 2 to 3 cm height.</li> <li>➤ Blight disease : Take 3 sprayings at 15 days interval to the crop with fungicides Tebuconazole 25.9 E.C (0.15%) or Hexaconazole (0.20%).</li> <li>➤ Stem Borer, Leaf roller, Brown plant hopper : For control of these pest mix Prorate 10% (10kg) or Fipronil 0.3% (25kg) in soil 1 month after transplanting.</li> </ul>
Maize	Vegetative growth	<ul style="list-style-type: none"> <li>➤ Carry out hoeing in early sown crop.</li> <li>➤ If infestation of American Fall Army Worm observes more than 10 % in Kagal, Shirol, Hatkanangale and Karvir tahsil then carry out spraying of one of the insecticide mentioned below. Chlorantraniliprole 18.5% SC insecticide @0.4 ml per litre of water. <b>Or</b> Spinetoram 11.7% SC @0.5 ml per litre of water. <b>Or</b> Emamectin Benzoate 5% SG @0.4 gram per litre of water.</li> </ul>
Kharif Jowar	Vegetative growth	<ul style="list-style-type: none"> <li>➤ Carry out hoeing in early sown crop.</li> <li>➤ If there is shortage of soil moisture in tahsils from eastern part of district then give protected irrigation.</li> </ul>
Green gram and Black gram	Vegetative growth	<ul style="list-style-type: none"> <li>➤ Carry out 1<sup>st</sup> hoeing 20 to 25 days after sowing of crop.</li> </ul>
Groundn	Vegetative	<ul style="list-style-type: none"> <li>➤ Frequent rains and high humid condition is favorable for occurrence of tikka and Rust disease to</li> </ul>



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<b>ut</b>	growth	control these diseases sprays the crop with Mancozeb 25 gram + 25 gram Bavistin by mixing in 10 liters of water. ➤ For control of sucking pest spray the crop with the solution prepared by mixing Methyl Demeton 25 E.C. 10 ml in 10 liters of water.
<b>Soybean</b>	Vegetative growth	➤ High humidity and high wind speed favourable for occurrence of rust in soybean. Brown spot observes on leaves and leaves get brown coloured due to infection, grain yield and per hector production of Soybean get decreases. If disease occurs take the spray of Propiconazole @ 1ml in 1 liter of water.
<b>Sugarcane</b>	Adsali Planting	➤ Carry out Sugarcane planting in Adsali seasons up to 15th August for better yield and sugar recovery. ➤ Select the varieties Co.86032 (Nira) and Co.M.0265(Phule 265) for Adsali Sugarcane cultivation. ➤ Planting of sugarcane with the 30 to 45 old 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. ➤ Mix Dimethoate 30 % EC 265 ml in 100 liters of water and deep Sugarcane sets into the prepared solution for 10 minutes which protects the Sugarcane from fungal diseases and mealy bugs. ➤ Prepare the solution by mixing Acetobactor and Phosphorus solubilizing Bacterial culture 10 kg and 1.25 kg respectively in 100 liters of water. Deep the Sugarcane sets into the prepared solution for 10 minutes and then carry out planting which saves 50 % Nitrogenous and 25 % Phosphorus fertilizers dose.
<b>Mango</b>	Growth	➤ Carry out weeding in Mango orchard. ➤ Give the fertilizer dose of 50 kg FYM+ 750 gram Nitrogen (1630 gram Urea)+ 500 gram Phosphorus (1086 gram DAP)+ 500 gram Potash (833 gram MOP) to fully developed mango tree during rainy season in July month.
<b>Onion</b>	Seedling	➤ For planting of Rangada Onion carry out sowing of seeds on raised beds.
<b>Animals</b>	Growth	➤ As there is possibility of rainfall keep the animals at safe places. ➤ During rainy season do not give excess of green fodder to animals. ➤ In rainy season wounds gets formed near hoofs of sheeps to prevent this prepare the solution of Copper Sulphate or Formaldehyde in tank up to the height that hoofs gets dip into the solution and allow the sheeps to go from that solution. ➤ To prevent nuisance from ectoparasites spray Deltamethrin (Ex. Butox) by taking advice from Veterinary doctor in goat shade and on the goats.

**Source:**

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

**Place : ZARS, KOLHAPUR**

**Date : 28.07.2020**

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