



# 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 03.02.2023**

**District: SANGLI**

Last Week Weather Summary (28.01.2023 to 03.02.2023)							Weather Parameters	Weather Forecast (04.02.2023 to 08.02.2023)				
28	29	30	31	01	02	03	Date	04	05	06	07	08
-	-	-	-	-	-	-	Rainfall (mm)	0	0	0	0	0
-	-	-	-	-	-	-	Max. Temp. ( $^{\circ}$ C)	32	33	34	35	35
-	-	-	-	-	-	-	Min. Temp. ( $^{\circ}$ C)	16	16	17	17	16
-	-	-	-	-	-	-	Cloud Cover	2	0	1	2	2
-	-	-	-	-	-	-	Max. RH (%)	58	52	56	55	55
-	-	-	-	-	-	-	Min. RH (%)	37	33	34	32	32
-	-	-	-	-	-	-	Wind Speed(km/hr)	13	11.9	11.5	11.6	10.2
-	-	-	-	-	-	-	Wind Direction	ENE	ENE	ENE	ENE	ENE

#### Agromet Advisory Based on Weather Forecast Prediction

Crop	Stage	Advisory
Weather Summary		Weather forecast given by Regional Meteorological Centre, Mumbai shas indicated there is possibility of mainly clear sky from 4 <sup>th</sup> to 8 <sup>th</sup> February in Sangli district. During next 5 days Maximum temperatures will remain nearby 32.0 to 35.0 and minimum nearby 16.0 to 17.0 $^{\circ}$ C respectively. Morning relative humidity will remain between 52 to 58% and Afternoon relative humidity will remain 32 to 37%. Wind speed will remain between 10.2 to 13 km/hr.
General Advisory		<ul style="list-style-type: none"> <li>➤ 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.</li> <li>➤ Give irrigation to fruit crops during night time for maintaining temperature in orchard.</li> </ul>
SMS Advisory		During February sugarcane plant requires 3.27 liters water per day to fulfill that requirement it is need to run Drip irrigation unit ( 4 liters dripper) for 49 minutes per day.
Wheat	Flowering to grain filling	<ul style="list-style-type: none"> <li>➤ Give irrigation to crop 80 to 85 days after sowing at grain filling stage of wheat crop.</li> <li>➤ 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.</li> </ul>
Rabbi Sorghum	Grain filling to maturity	<ul style="list-style-type: none"> <li>➤ Protect matured sorghum crop from Birds.</li> <li>➤ 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.</li> </ul>
Chick pea	Flowering to pod filling	<ul style="list-style-type: none"> <li>➤ For control of gram pod borer install bird perches into chickpea crop and install 5 pheromone traps per hector.</li> <li>➤ For control of gram pod borer take the spray of Heliokill 500 ml per 500 liter of water per hector.</li> </ul>
Sugarcane	Planting	➤ Suru: Complete the Sugarcane planting 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.
Grape	Berry development	<ul style="list-style-type: none"> <li>➤ 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.</li> <li>➤ Give irrigation to Grape vine yard during night time for maintaining temperature.</li> <li>➤ Due to major variation in minimum and maximum temperature, pink berry issues are observed. The only solution is paper covering of the bunches.</li> </ul>
Turmeric	Maturity	➤ Carry out harvesting of crop according varieties and after completion of the crop duration at maturity stage. Stop irrigating crop 15to 20 days before harvesting of matured crop according to soil type.



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<b>Potato</b>	Growth	➤ The incidence of Aphid is observed on Potato crop in some parts thus to control spray the crop with Thiamethoaxam 25% W.G.@ 2 gram per 10 liters of water.
<b>Pomegranates</b>	Growth	➤ 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.
<b>Animals</b>	Growth	➤ Carry out cultivation of fodder crops like Sorghum, Maize, Cowpea and Hybrid Napier grass for summer season. ➤ Keep cattle's inside the sheds during night and provide dry bedding to protect them from cold.

**Source:**

1) Weather Forecast

: Research Section, Mumbai

2) Last week weather summary

: IMD observatory (ZARS,KOLHAPUR)

**Place : ZARS, KOLHAPUR**

**Sd/-**

**Date :03.02.2023**

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