



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 20.12.2024

District: SANGLI

Last Week Weather Summary (14.12.2024 to 20.12.2024)							Weather Parameters	Weather Forecast (21.12.2024 to 25.12.2024)				
14	15	16	17	18	19	20	Date	21	22	23	24	25
-	-	-	-	-	-	-	Rainfall (mm)	0	0	0	0	0
-	-	-	-	-	-	-	Max. Temp. (°C)	31	31	30	30	31
-	-	-	-	-	-	-	Min. Temp. (°C)	17	16	18	19	19
-	-	-	-	-	-	-	Cloud Cover	3	2	3	3	4
-	-	-	-	-	-	-	Max. RH (%)	81	81	82	81	80
-	-	-	-	-	-	-	Min. RH (%)	51	52	51	52	51
-	-	-	-	-	-	-	Wind Speed(km/hr)	5	7	3	6	7
-	-	-	-	-	-	-	Wind Direction	NNE	N	ENE	E	E

Agromet Advisory Based on Weather Forecast

Crop	Stage	Advisory
Weather Summary		Weather forecast given by Regional Meteorological Centre, Mumbai has indicated that there is forecast of partially cloudy sky from 21 st to 25 th December in Sangli district. During next 5 days Maximum temperatures will remain nearby 30.0 to 31.0 and minimum will remain between 16.0 to 19.0°C respectively. Morning relative humidity will remain between 80 to 82% and Afternoon relative humidity will remain 51 to 52%. Wind speed will remain between 03 to 07 km/hr According to Extended Range Forecast (ERF) in Madhya Maharashtra Sub Division rainfall will remain above normal , maximum temperature will remain moderately below normal and minimum temperature will remain normal valid from 25th to 31st December, 2024
General Advisory		<ul style="list-style-type: none"> ➤ Carry out mulching in Vegetable crops and fruit orchards for maintaining soil moisture by minimising evaporation from soil. ➤ Make availability of irrigation to <i>rabbi</i> crops like Wheat and Chickpea in their critical growth stages and as per their requirement.
SMS Advisory		➤ In December rate of evaporation increases up to 3.63 mm per day thus Sugarcane crop needs 2.17 liters of water per day so to fulfill this water requirement Drip Irrigation Unit require to run for 33 minutes daily.
Wheat	Stem elongation	➤ Give spray of 2% water soluble fertilizer i.e. 19:19:19 at the time of 55 days after sowing. (200 gram per 10 liters of water).
Chick Pea	Flowering	<ul style="list-style-type: none"> ➤ During flowering to pod filling stage spray the crop with 2% Urea. ➤ For control of Gram Pod Borer spray the crop with 5% <i>Nimboli Ark</i> as soon as flowering starts
Sugarcane	Suru Sugarcane Cultivation	<p>Suru Sugarcane Cultivation: Select varieties like Co.86032 (Nira), Co.M0265 (Phule 265), Phule 10001, Phule 11082, Phule Sugarcane 15012, Phule 13007, Co. 94012 (Phule Savitri), Co 92005 for cultivation.</p> <p>Sets Treatment:</p> <ul style="list-style-type: none"> ➤ Before planting, soak the Sets in a solution of 10 grams of Carbendazium mixed with 10 liters of water for 10-15 minutes. Then, mix 1 kg of <i>Azotobactor</i> and 125 grams of phosphate-solubilizing bacteria in 100 liters of water, soak the cuttings in it for 30 minutes, and plant them immediately.
Grape	Initial shoot growth to pre flowering	<ol style="list-style-type: none"> 1. In case the soil is under wapsa (field capacity) condition, donot irrigate the vineyard. 2. During shoot growth stage (Fruit pruning season), apply irrigation through drip @ 6800 - 8500 L/ acre/ day for all grape growing regions. 2. In case vigour is more than desired, then reduce irrigation water application by half to 3400-4000 L/acre and stop nitrogen application. Still if growth is more, stop the irrigation till such time the growth is brought under control and then start irrigation. 3. From flowering to fruit setting, apply irrigation through drip upto 2000-2500 L/ acre/ day. Vigour needs to be controlled. 4. Practice mulching to keep the bunds moistened. This will reduce the salinity build up in the root zone due to evaporation of the moisture from the surface of the bund.



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		5. During Berry development stage, apply irrigation through drip @ 6800 - 8500 L/ acre/ day for all grape growing regions.
Pomegranate	Hast Bhar Flowering stage / Fruit setting stage	<p>Due to partially cloudy and dry weather there is possibility of increase in incidence on Sucking pest on Pomegranate Orchards thus to control take following control measure.</p> <p>1. Install yellow/ blue sticky traps @ 25-30 traps per acre randomly in a zigzag manner and traps should be tied/hanged 15 cm below from the top canopy of the plant.</p> <p>Depending on the pest population, take the following sprays.</p> <p>2. First spray: Spinetoram 12% SC @ 1.0 ml per litre OR Spinosad 45% SC @ 0.5 ml per litre.</p> <p>3. Second spray: 7-10 days after first spray, take 2nd spray with Spinosad 45% SC @ 0.5 ml per litre OR Neem oil 1% (10000ppm) @3.0 ml per litre OR Pongamia oil @3ml per litre OR combination of both of oils @ 3 ml per litre + 3 ml per litre with 0.25 ml/L of spreader sticker.</p> <p>4. Third spray: if required, use, Spinetoram 12% SC @ 1.0 ml per litre OR Spinosad 45% SC @ 0.5 ml per litre with 0.25 ml/L of spreader sticker.</p>
Mango	Flowering	➤ Due to cloudy weather in last week there is incidence of Hoppers and Powdery mildew on Mango crop thus to control spray the crop with Imidacloprid 17.8 S.L.3 ml + Sulphur 80 WP 25 gram per 10 liters of water.
Animals	Growth	<p>➤ Use high energy diet like Jowar, Wheat, Maize coarse grain feed in Cattles diet.</p> <p>➤ There is possibility of decrease in minimum temperature thus it is necessary to keep the cattle shed of Calf's, Kids, lambs warm and close the sides of cattle shed with curtains or gunny bags for increase in temperature.</p>

Source:

1) Weather Forecast

: Research Section, Mumbai

Place : ZARS, KOLHAPUR

Date :20.12.2024

Sd/-

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