



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 26.05.2023

District: KOLHAPUR

Last Week Weather Summary (20.05.2023 to 26.05.2023)							Weather Parameters	Weather Forecast (27.05.2023 to 31.05.2023)				
20	21	22	23	24	25	26	Date	27	28	29	30	31
0	0	0	14.2	0	0	0	Rainfall (mm)	4	0	0	9	14
39.2	39.5	38.5	38.6	36.8	37.5	37.8	Max. Temp. (°C)	34	34	35	37	36
25.2	25.5	25.5	25	25.2	25.6	25.4	Min. Temp. (°C)	23	22	22	23	24
2	5	4	3	2	2	3	Cloud Cover	3	1	1	4	5
3	5	4	3	2	1	-						
87	87	87	90	87	85	87	Max. RH (%)	70	65	69	70	86
62	69	78	66	65	72	-	Min. RH (%)	41	34	38	39	40
1.8	1.6	0.9	2.4	0.2	0.1	2.0	Wind Speed(km/hr)	17	18	14	12	13
SE	SW	WSW	NW	SW	NW	SW	Wind Direction	W	W	W	W	W
NW	SW	NW	W	NW	SW	-						
Rainfall previous week (mm)				Rainfall since 01.01.2023 (mm)				Rainy days since 01.01.2023				
14.2				63.2				5				

Agromet Advisory Based on Weather Forecast Prediction

Crop	Stage	Advisory
Weather Summary		Weather forecast given by Regional Meteorological Centre, Mumbai has indicated that there is possibility of partially cloudy sky on 27 th , 30 th and 31 st May and possibility of light rainfall at isolated places on 27 th , 30 th and 31 st May in Sangli district. During next 5 days Maximum temperature will remain nearby 34.0 to 37.0 while minimum temperature will remain nearby 22.0 to 24.0°C. Morning relative humidity will remain between 65 to 86% and Afternoon relative humidity will remain 34 to 40%. Wind speed will remain up to 12 to 18 km/hr. According to Extended Range Forecast (ERF) in Madhya Maharashtra Sub Division rainfall will remain below normal, maximum temperature remain below normal and minimum temperature will also remain normal valid from 24 th to 30 th May.
General Advisory		➤ Farmers should download "Meghdoot" android application on mobile for Agromet Advisory Services and "Damini" android application for forecast of lightening.
SMS Advisory		Carry out repairing operations of farm bunds for avoiding soil erosion during rainy season.
Rice	Nursery preparation	➤ Start the preparation of raised beds for nursery preparation for cultivation of rice in Kharif season. For sowing prepare raised bed of Size 1m wide, 15 cm height and length as per requirement. For 1 hectare sowing nursery of 10 R is sufficient. While preparation of raised beds well mix 250 kg FYM and 500 gram Nitrogen, 400 gram Phosphorus and 500 gram per R in soil. ➤ Use following varieties of Rice for cultivation in Kharif season ➤ Early: Karjat-184, Ratnagiri-1, Karjat-4, Phule Radha ➤ Midlate: Phule Samruddhi, Late: Ratnagiri-2, Karjat-2, Flavored: Basmati-370, Indrayani, Bhogawati, Sugandha, Hybrid: Sahyadri-1, Sahyadri-4, Sahyadri-5.
Soybean	Land preparation	➤ Carry out deep ploughing and 2 harrowing. Mix 5 tons of well decomposed manure before last harrowing into soil.
Sugarcane	Growth	➤ White grub : Adults comes together on Acacia, Neem and Ber trees at the time of evening after first shower of rain. First female adults and then male adults come out of the soil. They eat leaves of these trees. During night period shake the branches of these trees due to which adults falls on ground. Collect these adults and destroy them in kerosene mixed water.
Tomato	Sowing/ Nursery	➤ For Kharif season Tomato cultivation carry out sowing of Tomato seeds on raised beds of Size 3m length, 1m width and 15 cm height. Removes stones and soil clods from beds and mix 1



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		<p><i>ghamela</i> of well decomposed FYM, 50 gram Copper Sulphate and 100 to 150 gram Suphala and make bed plain. Make parallel lines on beds with 7 to 8cm distance and carry out sowing of seeds in that lines. Cover these lines with soil and give water to bed with watering can. The plants will ready to transplant within 3 to 5 weeks.</p> <p>➤ Use Bhagyashri, Dhanashree varieties for sowing.</p>
Mango	Harvesting	➤ Carry out harvesting of mango fruit at 80 to 85% maturity stage. Harvesting should be done with help of nutan mango harvester keep the harvested fruits at safe place.
Animals	Growth	<p>➤ Keep the animals at safe places as there is possibility light rain at isolated places.</p> <p>➤ Carry out vaccination to animals for prevention of diseases like Foot and Mouth Disease, Black Quarter and Hemorrhagic Septicemia.</p>
Preparatory tillage		➤ Carry out the preparatory tillage operation like ploughing for cultivation of crop in Kharif season. For taking pulse crop in Kharif season carry out deep ploughing followed by 2 harrowing, mix Compost @ 5 ton per hector before last harrowing which will help in better mixing of compost in soil.

Source:

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

Place : ZARS, KOLHAPUR

Date : 26.05.2023

Sd/-
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Associate Director of Research,
ZARS, Kolhapur