



AGROMET ADVISORY BULLETIN
GRAMIN KRISHI MAUSAM SEWA, AMFU, KOLHAPUR
ZONAL AGRICULTURAL RESEARCH STATION,
SHENDA PARK, KOLHAPUR



Ph. No. 0231
2692416

E-mail: adrkolhapur@rediffmail.com

Weather based Agromet Advisory committee meeting dated 06.12.2024

District: SATARA

Last Week Weather Summary (30.11.2024 to 06.12.2024)							Weather Parameters	Weather Forecast (07.12.2024 to 11.12.2024)				
30	01	02	03	04	05	06	Date	07	08	09	10	11
-	-	-	-	-	-	-	Rainfall (mm)	5	1	0	0	0
-	-	-	-	-	-	-	Max. Temp. (°C)	29	28	28	27	27
-	-	-	-	-	-	-	Min. Temp. (°C)	21	20	16	13	13
-	-	-	-	-	-	-	Cloud Cover	6	5	4	5	5
-	-	-	-	-	-	-	Max. RH (%)	91	92	90	91	90
-	-	-	-	-	-	-	Min. RH (%)	62	63	63	62	63
-	-	-	-	-	-	-	Wind Speed(km/hr)	3	2	1	4	7
-	-	-	-	-	-	-	Wind Direction	NNE	NNE	E	NNE	NE

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 forecast of generally cloudy sky from 7 th to 11 th December in Satara district. There is forecast of light rainfall at isolated places on 7th and 8th December. During next 5 days Maximum temperature will remain 27.0 to 29.0°C on 7th and 8th December. The Minimum temperature will further drop by 3 to 4°C and will drop upto 13.0°C on 9, 10th and 11th December. Morning relative humidity will remain nearby 90 to 91% and Afternoon relative humidity will remain 62 to 63%. Wind speed will remain from 01 to 07 km/hr. According to Extended Range Forecast (ERF) in Madhya Maharashtra Sub Division rainfall will remain above normal, maximum temperature will remain below normal and minimum temperature will remain normal valid from 8 th to 14 th December, 2024
General Advisory		Due to the increasing cold, citizens should take the following precautions: ➤ Take special care of elderly people and young children. ➤ Stay indoors as much as possible and avoid unnecessary travel. ➤ Wear sweaters, mufflers, ear caps, socks, and gloves. ➤ Regularly consume warm beverages. ➤ Stay updated on weather conditions by listening to the radio, watching TV, or reading newspapers. As the intensity of cold increased farmers should take care of their crop in following way ➤ To protect the crop from cold, provide light irrigation in the evening. ➤ Cover banana bunches with perforated polyethylene bags. ➤ Harvest workers should take special care. Avoid working early in the morning during cold warnings, if possible
SMS Advisory		➤ There is possibility of drop in minimum temperature in next 5 days thus farmers should take care of themselves and their cattles
Wheat	Beginning of tillering	➤ Due to the cloudy weather there is possibility of incidence of Rust on Wheat plant. To control rust spray the crop with Mancozeb @ 1.5 kg by mixing in 500 liters of water per hector.
Maize	Vegetative growth	➤ The infestation of American Army worm/ Spodoptera Frujiperda is observed in some parts thus to control follow the following control measures. ➤ Physical Control: Collect the clusters of eggs and destroy it ➤ Chemical Control: ➤ During early growth stages of larvae (1 st to 3 rd stage) spray the crop with Neem ark 1500 PPM 5 ml ot Nimboli Ark 5% per liter water Or ➤ Spray the crop with Chlorantraniprol 18.5% SC 40 GAI per hector or Emamectin Benzoate 5% SG 8 gram per liter water Or



AGROMET ADVISORY BULLETIN
GRAMIN KRISHI MAUSAM SEWA, AMFU, KOLHAPUR
ZONAL AGRICULTURAL RESEARCH STATION,
SHENDA PARK, KOLHAPUR



Ph. No. 0231
2692416

E-mail: adrkolhapur@rediffmail.com

		<ul style="list-style-type: none"> ➤ Spray the crop with Spinetoram 11.7 S.G. @ 0.5 ml per liter of water or ➤ Spray the crop with Emamectin Benzoate 5%+ Lufenuron 40% W.G. 0.2 gram or Novaluron 5.25% + Emamectin Benzoate 0.9% SC 3 ml per liter of water.
Chick Pea	Vegetative	➤ Chick pea crop is very sensitive to the excess irrigation, as excess irrigation causes wilting of plants. With the use of Sprinkler irrigation we can give irrigation as per the requirement of the crop and at any time which also maintain <i>vafasa</i> condition in soil which further leads to increase in crop yield thus Give irrigation to Chickpea crop through Sprinkler irrigation.
Strawberry	Vegetative growth	<ul style="list-style-type: none"> ➤ Use Yellow and Blue sticky traps for insects control. ➤ After 30 days of planting, carry out weeding on raised beds and cover raised beds with black or silver-colored plastic mulching paper
Sugarcane	Growth	➤ During December month the rate of evaporation increases up to 3.63 mm per day thus sugarcane plant requires 2.17 liters water per day to fulfill that requirement it is need to run Drip irrigation unit (4 liters dripper) for 33 minutes per day.
Rabbi Sorghum	Vegetative	<ul style="list-style-type: none"> ➤ The temperature dropped below 15°C thus the incidence of aphids is observed in some parts. ➤ Nymphs and Adults of Aphids sucks the sap from leaves and excretes honey like sugary substance on leaves thus black mould develops on this substance (Sticky/Sugary disease) which alters the food formation of plants and results in decrease in yield of crop. ➤ To manage this, spray 30% liquid Dimethoate at the rate of 500 ml in 500 liters of water. ➤ For control use yellow sticks traps @ 4 per hectare and if infestation notices spray the crop with 5% Neem Seed Kernel Extract @ 5ml per liter of water.
Turmeric	Rhizome development	<p>Due to partially cloudy and humid weather there is attack of Rhizome fly on turmeric in some parts of district thus to control follow below control measures</p> <ul style="list-style-type: none"> ➤ Cover the opened rhizomes with the soil. Timely carry out earthing up. ➤ Take 200 gram coarse castor seed in container and mix 1.5 liter water into it and mix well. Prepare 6 container likewise for 1 hectare of crop. Allow the mixture to soak for 8 to 10 days. Typical smell comes through that mixture which attracts the Rhizome flies and later on fly dies. This control measure used for organic turmeric production which is very effective and require low cost for preparation.
Mango	New flush	➤ Due to cloudy and humid weather there is attack of Blight in some parts thus to control take first spray with Azoxystrobin 23% S.C. 10ml per 10 liters of water.
Onion	Bulb development	➤ There is incidence of Thrips thus to control spray the crop with Lambda Cyhalothrin 5% E.C. 6 ml per 10 liters of water.
Animals	Growth	➤ With the advice of Veterinarian carry out vaccination of healthy animals for prevention from Foot and Mouth disease, Hemorrhagic septicemia and Black quarter. Do not carry vaccination to sick and pregnant animals.
Poultry	Growth	➤ There is forecast of drop in Tmin upto 13.0°C thus to protect poultry bird from cold keep the poultry shed warm particularly during night and early in morning.

Source:

1) Weather Forecast : Research Section, Mumbai

Place : ZARS, KOLHAPUR

Date : 03.12.2024

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