



**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 13.05.2021**

**District: SATARA**

Last Week Weather Summary (07.05.2021 to 13.05.2021)							Weather Parameters	Weather Forecast 14.05.2021 to 18.05.2021)				
07	08	09	10	11	12	13	Date	14	15	16	17	18
0.0	0.0	2.0	0.0	0.0	0.0	-	<b>Rainfall (mm)</b>	5	4	3	58	73
35.9	36.5	37.0	36.7	-	37.9	-	<b>Max. Temp. (°C)</b>	39	40	39	34	33
23.7	-	24.3	24.1	24.2	23.8	-	<b>Min. Temp. (°C)</b>	25	28	28	25	25
3	8	8	2	1	3	-	<b>Cloud Cover</b>	8	8	8	8	8
82	-	92	89	88	89	-	<b>Max. RH (%)</b>	65	54	55	84	89
70	68	73	87	-	56	-	<b>Min. RH (%)</b>	32	23	27	52	82
-	-	-	-	-	-	-	<b>Wind Speed(km/hr)</b>	6	13	27	47	31
-	-	-	-	-	-	-	<b>Wind Direction</b>	NNW	NE	E	ESE	S

**Agromet Advisory Based on Weather Forecast Prediction**

Crop	Stage	Advisory
<b>Weather Summary/ Alert</b>		<p>Weather forecast given by Regional Meteorological Centre, Mumbai has indicated that there is possibility of cloudy sky from 14<sup>th</sup> to 18<sup>th</sup> May and possibility of light to moderate rainfall at isolated from 14<sup>th</sup> to 16<sup>th</sup> May and heavy to very heavy rainfall on 17<sup>th</sup> and 18<sup>th</sup> May at isolated places in Satara district. Maximum temperatures will remain nearby 33.0 to 40.0°C and minimum between 25.0 to 28.0°C respectively. Morning relative humidity will remain between 54 to 89% and Afternoon relative humidity will remain 23 to 82%. Wind speed will remain up to 06 to 47 km/hr.</p> <p><b>Warning:</b></p> <ul style="list-style-type: none"> <li>➤ <b>Thunderstorm accompanied with lightning, rain and gusty winds at isolated places on 14<sup>th</sup> May very likely to occur in Satara district.</b></li> <li>➤ <b>Heavy to very heavy rainfall very likely to occur at isolated places in the ghat areas of Satara on 16<sup>th</sup> and 17<sup>th</sup> May</b></li> </ul>
<b>General Advisory</b>		<ul style="list-style-type: none"> <li>➤ <b>Farmers should download "Meghdoot" android application on mobile for Agromet Advisory Services and "Damini" android application for forecast of lightening.</b></li> <li>➤ Carry out repairing operations of farm bunds for avoiding soil erosion during rainy season.</li> <li>➤ 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 hectore before last harrowing which will help in better mixing of compost in soil.</li> <li>➤ Carry out Soil testing as per the guidelines provided by the state department of Agriculture/ State Agril. Universities. It is necessary as it can save unnecessary cost on excess use of fertilizers.</li> </ul> <p><b>Care should be taken by farmers during Cyclone</b></p> <ul style="list-style-type: none"> <li>➤ Early harvesting of crops, if 80% matured.</li> <li>➤ Storing of harvested produce in safer place.</li> <li>➤ In case of horticulture crops provide mechanical support to plants to avoid lodging and being uprooted.</li> <li>➤ Protection of animal shed to withstand the heavy wind.</li> <li>➤ Keeping the animals in proper sheds.</li> <li>➤ Do not allow animals for grazing.</li> </ul> <p><b>Care should be taken by farmers during thunderstorm and lightening</b></p> <ul style="list-style-type: none"> <li>➤ In view of thunderstorm accompanied with gusty winds, provide mechanical support to orchards, staking in vegetables.</li> <li>➤ If farmers are in the field and can't find any shelter, avoid the tallest object in the area. If only isolated trees are nearby, best protection is to crouch in the open.</li> </ul>



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		<ul style="list-style-type: none"> <li>➤ Keep animals away from open water, pond or river.</li> <li>➤ Keep animals away from tractors and other metal farm equipment.</li> <li>➤ Cover the harvested produce (if in the field) with polythene sheet.</li> <li>➤ Avoid contact with electrical equipment or cords.</li> <li>➤ Don't allow your animals to congregate under trees.</li> <li>➤ Farmers should avoid going in crowded places and keep hygienic care of their self for protection and prevention from highly infectious Novel Coronavirus disease.</li> <li>➤ While working in field keep the social distancing, use mask and sanitizer/ soap as per availability. Avoid touching to eyes, mouth and nose while working in field.</li> </ul>
<b>SMS Advisory</b>		Thunderstorm, lightning, rain with gusty winds very likely to occur at isolated places in Satara district up to 17 <sup>th</sup> May. Keep farm produce & cattle's in safe place & farmers should take care of themselves.
<b>Sunflower</b>	Maturity	➤ Carry out harvesting of matured crop and keep the harvested produce at safe place as rainfall is forecasted.
<b>Groundnut</b>	Maturity	➤ Leaves turns yellow when pods get matured. Carry out harvesting of matured crop and Keep the harvested produce at safe place.
<b>Maize</b>	Maturity	➤ Carry out harvesting of matured crop and keep the harvested produce at safe place as rainfall is forecasted.
<b>Sugarcane</b>	Growth	<ul style="list-style-type: none"> <li>➤ Carry out earthing up of sugarcane at the age of 16 to 18 weeks after planting.</li> <li>➤ Give the fertilizer dose of Nitrogen 100 kg (Urea 217kg), Phosphorus 55 kg (Single Super Phosphate 344 kg) and Potash 55 kg (Murate of Potash 92kg) per hector before earthing up of Sugarcane.</li> </ul> <p><b>Crop Protection</b></p> <ul style="list-style-type: none"> <li>➤ <b>Stem Borer</b> : Use 2 Phule Trichocards per acre with interval of 10 to 15 days for 2 to 3 times for control of Stem Borer in Sugarcane crop.</li> <li>➤ <b>White grub</b> : 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.</li> </ul>
<b>Ginger</b>	Planting	<ul style="list-style-type: none"> <li>➤ If there is availability of irrigation facility carry out Ginger planting of Ginger rhizomes. Use Varada, Rijatha, Mahim, Mahima varieties for planting.</li> <li>➤ Carry out planting of rhizomes at 4 to 5 cm depth.</li> </ul>
<b>Mango</b>	Fruit Development / Harvesting	<ul style="list-style-type: none"> <li>➤ Carry out harvesting of mango fruit at 80 to 85% maturity stage. Harvesting should be done with help of nutan mango harvester before 10.00 in morning and after 4.00 in afternoon.</li> <li>➤ Keep the harvested fruits in shade to prevent development of spongy tissue and from heat. Transport of matured fruit should be done during night. Do not spray the plant with any type of fungicide or insecticide at least 8 days before harvesting of fruit.</li> </ul>
<b>Pomegranate</b>	Resting period	<p>Hast Bahar- Resting period</p> <ul style="list-style-type: none"> <li>➤ During resting period of plants if infestation of Shot hole or Stem Borer observed then carry out drenching with Thiamethoaxam 25%WG 10 gram + Propiconazole 25% EC 15ml per 10 liter of water.</li> </ul>
<b>Grapes</b>	New shoot growth	➤ For thrips management in new vineyards after recut or new shoot growth after April pruning, give regular applications of effective insecticides such as spinosad 45 SC @ 0.25 ml/l or emamectin benzoate 5 SG @ 0.22g/l or fipronil 80 WG @ 0.0625 g/l water when thrips population is 5 per shoot or above.
<b>Animals</b>	Growth	<ul style="list-style-type: none"> <li>➤ Carry out vaccination to animals for prevention of diseases like Foot and Mouth Disease, Black Quarter and Hemorrhagic Septicemia.</li> <li>➤ Keep the animals in shade. Give cool, clean and pure water to animals.</li> <li>➤ Keep the animals at safe place as thunderstorm accompanied with lightning and rain very likely to occur at isolated places.</li> </ul>



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<b>Preparatory tillage</b>	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 hectare before last harrowing which will help in better mixing of compost in soil.
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**Source:**

1) Weather Forecast

: Research Section, Mumbai

2) Last week weather summary

: IMD observatory (ZARS, KOLHAPUR)

**Place : ZARS, KOLHAPUR**

**Date : 13.05.2021**

**Sd/-**

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