



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: KOLHAPUR

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	16.0	0.0	0.0	0.0	0.0	0.0	Rainfall (mm)	12	4	18	98	65
35.0	35.2	35.4	35.2	36.0	34.8	34.8	Max. Temp. (°C)	37	39	40	34	33
20.8	20.8	20.4	20.4	20.2	20.4	20.2	Min. Temp. (°C)	26	28	29	26	26
1	0	1	1	0	5	6	Cloud Cover	8	8	8	8	8
1	2	1	0	1	4	-						
82	93	91	80	79	89	91	Max. RH (%)	76	65	73	89	92
45	45	48	45	46	45	-	Min. RH (%)	42	43	25	46	64
1.1	0.7	1.0	0.8	0.7	1.0	1.2	Wind Speed(km/hr)	4	8	33	33	17
WNW	NW	ENE	NE	NE	NE	ENE	Wind Direction	WNW	ENE	NE	SSE	S
ESE	SE	ESE	ESE	WNW	SE	-						
Rainfall previous week (mm)				Rainfall since 01.01.2021 (mm)			Rainy days since 01.01.2021					
16				151.4			10					

Agromet Advisory Based on Weather Forecast Prediction

Crop	Stage	Advisory
Weather Summary/ Alert		<p>Weather forecast given by Regional Meteorological Centre, Mumbai has indicated that there is possibility of cloudy sky from 14th to 18th May and possibility of light to moderate rainfall at isolated places from 14th to 16th May and possibility of heavy to very rainfall at isolated places from 16th to 18th May in Kolhapur district. Maximum temperature will remain nearby 33.0 to 40.0°C while minimum temperature will remain nearby 26.0 to 29.0°C. Morning relative humidity will remain between 65 to 92% and Afternoon relative humidity will remain 25 to 64%. Wind speed will remain up to 04 to 33 km/hr.</p> <p>Warning:</p> <ul style="list-style-type: none"> ➤ Thunderstorm accompanied with lightning, rain and gusty winds at isolated places on 14th May very likely to occur in Kolhapur district. ➤ Heavy rainfall very likely to occur at isolated places in the ghat areas of Kolhapur from 15th to 18th May.
General Advisory		<ul style="list-style-type: none"> ➤ Farmers should download "Meghdoot" android application on mobile for Agromet Advisory Services and "Damini" android application for forecast of lightening. ➤ Carry out repairing operations of farm bunds for avoiding soil erosion during rainy season. ➤ 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. <p>Care should be taken by farmers during Cyclone</p> <ul style="list-style-type: none"> ➤ Early harvesting of crops, if 80% matured. ➤ Storing of harvested produce in safer place. ➤ In case of horticulture crops provide mechanical support to plants to avoid lodging and being uprooted. ➤ Protection of animal shed to withstand the heavy wind. ➤ Keeping the animals in proper sheds. ➤ Do not allow animals for grazing. <p>Care should be taken by farmers during thunderstorm and lightening</p> <ul style="list-style-type: none"> ➤ In view of thunderstorm accompanied with gusty winds, provide mechanical support to orchards, staking in vegetables.



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		<ul style="list-style-type: none">➤ 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.➤ Keep animals away from open water, pond or river.➤ Keep animals away from tractors and other metal farm equipment.➤ Cover the harvested produce (if in the field) with polythene sheet.➤ Avoid contact with electrical equipment or cords.➤ Don't allow your animals to congregate under trees.➤ Farmers should avoid going in crowded places and keep hygienic care of their self for protection and prevention from highly infectious Novel Coronavirus disease.➤ 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.
SMS Advisory		Thunderstorm, lightning accompanied with moderate to heavy rainfall and gusty winds very likely to occur at isolated places up to 18 th May in Kolhapur district. Keep farm produce & cattle's in safe place.
Summer Rice	Maturity	➤ Carry out harvesting and threshing of matured crop and keep the threshed farm produce at safe place as rainfall is forecasted.
Maize	Maturity	➤ Carry out harvesting of matured crop and keep the harvested produce at safe place as rainfall is forecasted.
Sugarcane	Growth	<ul style="list-style-type: none">➤ Carry out earthing up of sugarcane at the age of 16 to 18 weeks after planting.➤ 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. <p>Crop Protection</p> <ul style="list-style-type: none">➤ Stem Borer : 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.➤ 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.
Groundnut	Maturity	➤ Leaves turns yellow when pods get matured. Carry out harvesting of matured crop and Keep the harvested produce at safe place.
Sunflower	Maturity	➤ Carry out harvesting of matured crop and keep the harvested produce at safe place as rainfall is forecasted.
Mango	Fruit Development/ Harvesting	<ul style="list-style-type: none">➤ 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.➤ 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.➤ Use pheromone traps for control of fruit fly in Mango orchards.
Chilli	Growth	➤ For protection of mites on Chilli spray the crop with Fenpropathrin 30%EC 5ml or Fenazaquin 10 EC 25 ml per10 liters of water.
Banana	Growth	➤ As there is forecast of rainfall with gusty winds there is possibility of lodging Banana plants thus give support to Banana plants.
Animals	Growth	<ul style="list-style-type: none">➤ Carry out vaccination to animals for prevention of diseases like Foot and Mouth Disease, Black Quarter and Hemorrhagic Septicemia.➤ Keep the animals in shade. Give cool, clean and pure water to animals.➤ Keep the animals at safe place as thunderstorm accompanied with lightning and rain very likely to occur at isolated places.
Preparatory tillage	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.



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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**