



# AGROMET ADVISORY BULLETIN

GRAMIN KRISHI MAUSAM SEWA, DISTRICT AGROMET  
UNIT, KRISHI VIGYAN KENDRA, MOHOL, SOLAPUR.



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## 312) Weather based Agromet Advisory committee meeting dated 26.05.2023

### District: Solapur

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	0.0	0.0	00	00	00	--	Rainfall (mm)	00	00	00	7.0	5.0
44.0	44.8	43.1	43.3	41.9	40.4	-	Max. Temp. (°C)	39.0	39.0	40.0	41.0	42.0
28.9	28.6	30.3	29.6	28.1	27.2	--	Min. Temp. (°C)	23.0	22.0	23.0	24.0	24.0
Partially Cloudy	Partially Cloudy	Partially Cloudy	Partially Cloudy	Partially Cloudy	Partially Cloudy	--	Cloud Cover	Partially Cloudy	Partially Cloudy	Partially Cloudy	Partially Cloudy	Partially Cloudy
45	51	57	50	51	60	--	Max. RH (%)	68	65	65	70	75
27	31	43	36	44	35	--	Min. RH (%)	41	34	38	39	40
4.0	2.0	4.0	2.0	3.0	4.0	--	Wind Speed(km/hr)	27.0	25.0	19.0	16.0	18.0

### Agromet Advisory Based on Weather Forecast Prediction

Crop	Stage	Advisory
Weather Summary		<p>According to the Regional Meteorological Centre Mumbai forecast, there is a possibility of a partially cloudy sky from 26<sup>th</sup> May to 31<sup>st</sup> May 2023. During dt. 26<sup>th</sup> May to 29<sup>th</sup> May 2023, weather may remain dry. On dt.30<sup>th</sup> May and 31<sup>st</sup> May 2023 there is a possibility of light rainfall at isolated places in the district. During next five days maximum temperature will remain nearby 39°C to 42°C, while minimum temperature will remain nearby 22°C to 24°C. Morning relative humidity will remain between 65 to 75 and afternoon relative humidity will remain 38 to 41%. Wind speed will remain up to 16.0 Km/h to 27.0 km/h.</p> <p><b>Warning:</b> According to forecast given by Regional Meteorological Centre, Mumbai of India Meteorological Department isolated places in the district may experience thunderstorm accompanied with lightening, light to moderate rainfall and gusty winds (30 to 40 kmph), at isolated places on dt. 29<sup>th</sup>, 30<sup>th</sup> May, 2023.</p>
Extended Range Forecast (ERFS)		<p>As per ERFS product during 31<sup>st</sup> May 2023 to 06<sup>th</sup> June 2023 over Madhya Maharashtra (Dhule, Nandurbar, Jalgaon, Nashik, Ahmednagar, Pune, Satara, Sangli, Solapur and Kolhapur) division.</p> <ul style="list-style-type: none"> <li>➤ Rainfall may below normal.</li> <li>➤ Maximum temperature may normal.</li> <li>➤ Minimum temperature may normal.</li> </ul>
General Advisory		<ul style="list-style-type: none"> <li>➤ Pre-sowing works should be started for kharif planning. (Checking of germination capacity, checking of soil nutrients, planning of quality and certified seeds, tillage)</li> <li>➤ Store the harvested &amp; threshed produce at safe storage places.</li> <li>➤ For protection from rains the stored grains should be shifted at safe storage.</li> <li>➤ If farmers are using their own seed of Soybean for sowing. Carry out germination test of Soybean seed.</li> <li>➤ Farmers should download and make use of Meghdoot mobile app for weather based crop advisory and weather forecast. Also, farmers should download of Damini mobile app and make use for lightning and thunderstorm warning and</li> </ul>



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		<p>forecasting.</p> <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.</li> <li>➤ If only isolated trees are nearby, best protection is to crouch in the open.</li> <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> </ul>
	<b>SMS Advisory</b>	<ul style="list-style-type: none"> <li>➤ Pre-sowing works should be started for kharif planning. (Checking of germination capacity, checking of soil nutrients, planning of quality and certified seeds, tillage)</li> </ul>
<b>Soybean</b>		<p><b>Soil Selection:</b> Medium black, well drained.</p> <p><b>Tillage:</b> The land should be one ploughing and two harrowing.</p>
<b>Pigeon pea</b>		<p><b>Soil Selection:</b> Medium to heavy, well-drained soil is suitable for pigeon pea crop. Water logged soil does not do well in wetlands. The soil should not be deficient in phosphorus, calcium and sulphur. Generally, 6.5 to 7.5 PH of land is suitable for this crop.</p> <p><b>Tillage:</b> After the monsoon rains, as soon as the field condition, the land should be kept ready for sowing by clearing the stick waste cleanly by giving the harrowing. At the same time 05 tonnes of well decomposed cow dung should be applied per hectare.</p>
<b>Green gram/ Black gram</b>		<p><b>Soil Selection:</b> Medium to heavy, well-drained soil is suitable for crop. Waterlogged, saline, sandy or very light soils should be avoided.</p> <p><b>Tillage:</b> After the monsoon rains, as soon as the field condition, the land should be kept ready for sowing by clearing the stick waste cleanly by giving the harrowing. At the same time 05 tonnes of well decomposed cow dung should be applied per hectare.</p>
<b>Maize</b>		<p><b>Soil Selection:</b> Medium to heavy, deep, sandy, well drained, especially riverine alluvial soil is best.</p> <p><b>Tillage:</b> Take a deep plough, 2-3 harrowing and take 20 to 25 carts per hectare of manure / compost manure at the same time. If green manure is buried, manure / compost manure is not required.</p>
<b>Sunflower</b>		<p><b>Soil Selection:</b> Medium to heavy soil with good drainage should be selected for sunflower cultivation. This crop does not grow well in acidic and waterlogged soil.</p> <p><b>Tillage:</b> Take a deep plough, 2-3 harrowing and take 20 to 25 carts per hectare of manure / compost manure at the same time.</p>
<b>Sugarcane</b>		<p>During May month the rate of evaporation increases up to 9.24 mm per day. Sugarcane crop needs 9.33 liters of water per day thus for fulfilling that requirement Drip Irrigation Unit(4liters dripper) need to run for 2 hour and 20 minutes daily.</p> <p><b>Crop Protection</b></p> <p><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</p>



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		these trees due to which adults falls on ground. Collect these adults and destroy them in kerosene mixed water.
<b>Pomegranate</b>		As a preventative measure: Drenching of Emamectin benzoate 5% SG + Propiconazole a 10% SC (2g/L+ 2ml/L) may be taken to reduced attack and colonization pomegranate shot hole borer after receipt of first rain. Preferably irrigation should be given in evening hours and optimum moisture to be maintaining to avoid the effect of heat wave on the flower and fruit dropping.
<b>Banana</b>	<b>Growth stage</b>	As there is a possibility of rain, harvesting of mature banana bunch should be done as early as possible and store it at safe places. Due to gusty winds collapse big bunch banana tree. Give support of bamboo sticks to the banana plant and bunch or tight the plants and banana bunch with polypropylene strips.
<b>Animal Management</b>		Keep the animals at safe place as thunderstorm accompanied with lightning and rain very likely to occur at isolated places. As the temperature rises, the body temperature of the animal rises and to control this temperature, the animals drink more water and eat less fodder or food. This adversely affects the overall growth, reproduction and production of the animal. Therefore, the animals should be taken care of in summer as follows to avoid further damage. 1) Do not take the conceived animals for grazing in open field when the temperatures are high. Cover the cows and buffaloes with wet gunny bags to protect from high temperatures. 2) The animals should be kept in a cool place or under a tree. Sprinkle water on the roof with dried grass, dried farm wasted, dried coconut leaves etc 3) In summer season animal should be given cold and clean water 3-4 times. If there is a separate water facility in the barn, the water pot should be in the shade and the pot should be made mainly of clay or cement so that the water in it stays cool throughout the day.

### Source

- 1) Weather Forecast : Research Section, Mumbai.
- 2) Last week weather summary : Zonal Agriculture Research Station, Solapur.

Place : Krishi Vigyan Kendra, Mohol.

Date : 26<sup>th</sup> May 2023

Sd /-

Nodal Officer, DAMU, Krishi Vigyan Kendra, Mohol,  
Solapur.