



AGROMET ADVISORY BULLETIN

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



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426) Weather based Agromet Advisory committee meeting dated 26.07.2024

District: Solapur

Last Week Weather Summary (20.07.2024 to 26.07.2024)							Weather Parameters	Weather Forecast (27.07.2024 to 31.07.2024)				
20	21	22	23	24	25	26	Date	27	28	29	30	31
0.3	8.2	2.2	4.0	5.9	10.6	--	Rainfall (mm)	20.0	7.0	3.0	5.0	10.0
31.0	28.1	30.2	29.6	29.2	25.6	--	Max. Temp. (°C)	28.0	29.0	30.0	31.0	31.0
23.4	21.8	22.6	22.6	22.5	21.9	--	Min. Temp. (°C)	22.0	22.0	23.0	22.0	22.0
Cloudy Sky	Cloudy Sky	Cloudy Sky	Cloudy Sky	Cloudy Sky	Cloudy Sky	--	Cloud Cover	Cloudy Sky	Cloudy Sky	Cloudy Sky	Cloudy Sky	Cloudy Sky
89	87	87	89	87	95	--	Max. RH (%)	90	90	90	91	89
78	87	87	89	80	93	--	Min. RH (%)	81	80	81	81	82
3.7	3.7	3.7	3.7	3.7	3.7	--	Wind Speed(km/hr)	27.0	28.0	24.0	21.0	21.0

Agromet Advisory Based on Weather Forecast Prediction

Crop	Stage	Advisory
Weather Summary		<p>According to the forecast given by the Regional Meteorological Centre, Mumbai, of the India Meteorological Department, there is a possibility of cloudy sky from July 26th to 31st July 2024. On dt. 26th, & 27th July 2024, there is a possibility of light to moderate rainfall at some places (scattered) and at isolated places on dt. 28th, 29th & 30th July 2024, in the district.</p> <p>During next five days maximum temperature will remain nearby 28°c to 31°c, while minimum temperature will remain nearby 22°c to 23 °c. Morning relative humidity will remain between 89 to 91 % and afternoon relative humidity will remain 80 to 82 %. Wind speed will remain up to 21 Km/h to 28.km/h.</p>
Extended Range Forecast (ERFS)		<p>As per ERFS products during 31st July to 06th August, 2024 over Madhya Maharashtra (Dhule, Nandurbar, Jalgaon, Nashik, Ahmednagar, Pune, Satara, Sangli, Solapur, Kolhapur) division</p> <ul style="list-style-type: none"> ➤ Rainfall may remain normal. ➤ Maximum temperature may remain normal. ➤ Minimum temperature may remain normal.
General Advisory		<ul style="list-style-type: none"> ➤ Carry out intercultural operation by considering weather forecast. ➤ The rainfall received should be percolated and saved in the farm itself by various water harvesting and conservation techniques. ➤ For protection from rains the stored grains should be shifted at safe storage. ➤ Spraying of insecticide and pesticide should be done by considering the forecasted rain and preferably when there is no rain. ➤ Farmers should download "Meghdoot" android application on mobile for Agromet Advisory Services and "Damini" android application for forecast of lightening.
SMS Advisory		If soil condition is favourable intercultural operations should be carried out in the standing kharip crops.
Crop	Crop Stage	Advisory
Sugarcane	Adsali Sugarcane	Sowing of Adsali Sugarcane should be done during 15 th July to 15 th August. For



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	Planting	<p>sowing of sugarcane soil should be medium to heavy having pH 7.5 to 8.0. Selection of varieties: CO-86032 (Nira), COM- 0265(Phule-265), COVSI-9802 (Sharad-1), VSI- 12121 (VSI-08005), CO-419, CO-740, COM-88121 (Krushna). For planting of Sugarcane with sets select 9 to 10 month old healthy, genetically pure sugarcane sets. Mix Dimethoate 30 % EC 265 ml in 100 liters of water and deep Sugarcane sets into the prepared solution for 10 minutes which protects the Sugarcane from fungal diseases and mealy bugs. Prepare the solution by mixing Acetobactor and Phosphorus solubilizing Bacterial culture 10 kg and 1.25 kg respectively in 100 liters of water. Deep the Sugarcane sets into the prepared solution for 10 minutes and then carry out planting which saves 50 % Nitrogenous and 25 % Phosphorus fertilizers dose.</p>
Pigeon pea	Vegetative growth	<p>The first hoeing should be done 15 to 20 days after sowing. After 15 days weeding or hoeing should be done. For maximum yield, the crop should be kept weed free for 30 to 40 days after sowing. In pigeon pea if the infestation of stem fly observed then spraying of 5% NSKE or dimethoate 30% EC @ 15 ml per 10 liter water should be applied. Similarly, if the leaf folder infestation occurred then spraying of chlorpyriphos 20% EC @ 20 ml per 10 liter water in clear weather condition.</p>
Soybean	Vegetative growth	<p>Due to current cloudy weather condition if leaf-eating caterpillar (Spodoptera) infestation reached the level of economic loss. Spray S.L.N.P.V. 500 LE or Dyflos 76% EC or Indoxacarb 15.8% EC 6.6 ml in 10 liters of water in a clean and clear weather. The caterpillar become infected and dies from the use of Nomuria relayi fungus.</p>
Green gram	Vegetative growth	<p>After 30 to 35 days after germination, carry out the second hoeing operation. Spray the crop with 2 ml imidacloprid 17.8 SL in 10 liters of water in clear weather condition for the control of sucking pests.</p>
Black gram	Vegetative growth	<p>After 30 to 35 days after germination, carry out the second hoeing operation. Spray the crop with 2 ml imidacloprid 17.8 SL in 10 liters of water in clear weather condition for the control of sucking pests.</p>
Maize	Vegetative growth	<p>Fertilizer dose of Nitrogen @ 40kg per hectore should be given after 40 to 45 days of sowing of Maize crop. If infestation of American Fall Army Worm observes then carry out spraying of one of the insecticide mentioned below. Chlorantraniliprole 18.5% SC insecticide @ 0.4 ml per litre of water. Or Spinetoram 11.7% SC @0.5 ml per litre of water. Or Emamectin Benzoate 5% SG @0.4 gram per litre of water in clear weather condition..</p>
Onion		<p>Due to cloudy condition and increased humidity the incidence thrips and blight disease on onion crop. Spray the crop with Lambdasyhalothrin 6 ml + Tebuconazole 10 ml + Sticker 10 ml for the control of thrips and blight disease. Spraying should be done with simple hand pump at an interval of 10 to 15 days per 10 liters of water in clear weather condition.</p>
Brinjal	Fruit formation	<p>Due to cloudy condition and increased humidity the incidence of Fruit and shoot borer is observed in some parts thus to control 20 days after planting of crop for every week remove and collect pest infected shoots and pest infected fruits from the plants and destroy it or burry it into deep dig.</p>



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		Install 40 Pheromone traps (Funnel type) per acre.
Okra	Fruit formation	Due to cloudy condition and increased humidity the incidence of Fruit borer in Okra thus to control use 10 Trichocards per hectore.
Animal Management		Keeps the animals at safe places during rainy season. Pastoralists should find out what kind of worms are in their area. Animal dung should be examined to know the types of worms. Once the type of worms is understood, with the help of a veterinarian select useful and effective intoxicant for control and preventive measures. Animal immunity should be enhanced. So as to curb and control the growth of worms. For this the animals should be given a well balanced diet. It is important to keep the shed clean, dry and well ventilated and to disinfect it from time to time. When giving medicines: Follow the instructions on the wrapper to give the medicine in the right amount.

Source

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

Place : Krishi Vigyan Kendra, Mohol.

Date : 26th July 2024

Sd/-

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