



AGROMET ADVISORY BULLETIN

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



Ph. No. (02189)233001

E-mail: damu.kvkmohol@gmail.com

468) Weather based Agromet Advisory committee meeting dated 20.12.2024

District: Solapur

Last Week Weather Summary 14.11.2024 to 20.12.2024)							Weather Parameters	Weather Forecast (21.12.2024 to 25.12.2024)				
14	15	16	17	18	19	20	Date	21	22	23	24	25
0.0	0.0	0.0	0.0	0.0	0.0	-	Rainfall (mm)	0.0	0.0	0.0	0.0	0.0
32.4	31.6	32.6	33.0	32.3	33.0	-	Maximum temperature (°C)	33.0	34.0	33.0	32.0	32.0
15.4	14.0	11.5	12.9	12.4	14.6	-	Minimum temperature (°C)	17.0	17.0	20.0	21.0	22.0
Clear Sky	Clear Sky	Partially Cloudy	Partially Cloudy	Partially Cloudy	Partially Cloudy	-	Cloud Cover	Partially Cloudy	Partially Cloudy	Partially Cloudy	Partially Cloudy	Partially Cloudy
75	81	84	85	82	83	-	Max. RH (%)	82	81	82	82	82
40	40	33	31	34	37	-	Min. RH (%)	43	42	43	43	42
3.7	3.7	3.7	0.0	1.9	3.7	-	Wind Speed(km/hr)	4.0	6.0	5.0	7.0	8.0

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 Partially Cloudy Sky from 20th December to 25th December 2024. During date 20th December to 25th December 2024, weather may remain dry in the district.</p> <p>During next five days maximum temperature will remain nearby 32°C to 34 °c, while minimum temperature will remain nearby 17°C to 22°C. Morning relative humidity will remain between 81 to 82 % and afternoon relative humidity will remain 42 to 43 %. Wind speed will remain up to 04 to 08.0 km/h.</p>
Extended Range Forecast (ERFS)		<p>As per ERFS products during 25th December to 31st December 2024, Ahmednagar, Pune, Satara, Sangli, Solapur, Kolhapur) division</p> <ul style="list-style-type: none"> ➤ Rainfall may remain above normal. ➤ Maximum temperature may remain moderately below normal. ➤ Minimum temperature may remain normal.
General Advisory		<ul style="list-style-type: none"> ➤ Give irrigation to fruit crops during night time for maintaining temperature in orchard. ➤ Carry out mulching to fruit orchards for maintaining temperature in Orchards. ➤ Low minimum temperatures can cause chilling injury to banana fruits. To prevent this, cover banana bunches with 6% perforated white plastic bags. ➤ Farmers should observe the pest and disease incidence on their field and if the infestation is above economic threshold level (ETL) then proper pest and disease management should be done. ➤ Farmers should take necessary precautionary measures while spraying insecticide, fungicide etc.
SMS Advisory		There is a possibility of an increase of 2 to 3 degrees Celsius in the minimum temperature over the next 5 days in Solapur district.
Crop	Crop Stage	Advisory



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Sugarcane	Suru sugarcane Plantation	<p>Planting Period: Suru Sugarcane is recommended to be planted between 15th December to 15th February. Select varieties such as Co.86032 (Nira), Co.M0265 (Phule 265), M.S.10001 (Phule 10001), Co. 94012 (Phule Savitri), Co.C.671 (Vasant-1), Co. 09057, Co.M11082, and PDN 15012 for cultivation.</p> <p>Sets Treatment: Mix 265 ml of Dimethoate 30 % EC in 100 liters of water. Dip Sugarcane sets into the solution for 10 minutes to protect them from fungal diseases and mealy bugs. In case of White grub infestation, treat the sets for 10 minutes using Imidacloprid (5 grams per 10 liters of water). Prepare a solution by mixing 10 kg of Acetobactor and 1.25 kg of Phosphorus solubilizing Bacterial culture in 100 liters of water. Dip the Sugarcane sets into the solution for 10 minutes before planting. This step can save 50% Nitrogenous and 25% Phosphorus fertilizers.</p> <p>Irrigation Strategy: Due to the increased rate of evaporation (3.63 mm per day) in December, Sugarcane crops require 2.17 liters of water daily. To meet this demand, run the Drip Irrigation Unit for 33 minutes every day.</p>
Wheat		<p>Due to the cloudy and humid weather conditions over the past week, along with a drop in minimum temperature, the likelihood of aphid infestation on wheat crops has increased.</p> <p>Upon noticing aphids, spray Metarhizium anisopliae or Verticillium lecanii 1.15% WP at the rate of 40 grams per 10 liters of water. A second spray should be done at an interval of 15 days.</p> <p>For chemical control of aphids, spray Thiamethoxam (25 WG) at the rate of 1 gram or Acetamiprid (20 SP) at the rate of 5 grams per 10 liters of water. Two sprays should be conducted at an interval of 15 days.</p>
Rabi Sorghum		<p>Due to the cloudy and humid weather conditions over the past week, along with a drop in minimum temperature, the likelihood of aphid infestation on sorghum crops is increasing, which may lead to the spread of sticky or sugary disease in sorghum.</p> <p>For the control of Sugary Disease, spray the crop with 30% dimethoate 500 ml in 500 liters of water Or Spray thiamethoxam 5 g + Mancozeb 2.5 g per 10 liters of water as required.</p>
Pigeon Pea	Pod Filling	<p>Due to the cloudy and humid weather conditions over the past week, the infestation of pod-boring pests on pigeon pea crops has increased. If the damage caused by pod-boring insects during the pod-filling stage exceeds the economic threshold level, spray with either Indoxacarb 14.5% SC at 7 ml or Emamectin Benzoate 5% SG at 3 ml per 10 liters of water. Additionally, irrigate the pigeon pea crop if there is water stress during the pod-filling stage.</p> <p>Cutting of pigeon pea plants after maturity of pods and then threshing it on threshing yard. Don't take ratoon of pigeon pea because there will be chances of increasing sterility mosaic disease.</p>
Onion		<p>Due to the cloudy and humid weather conditions over the past week, along with a drop in minimum temperature, the likelihood of thrips infestation and blight disease in onion crops is increasing. If blight disease is detected in onion crops, thrips and blight can be controlled by spraying either 15 ml of Dimethoate 30% EC or a mixture</p>



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		of 6 ml of Lambda-cyhalothrin 5% EC and 10 ml of Tebuconazole per 10 liters of water during clear weather conditions.
Tomato	Fruit development	Due to the cloudy and humid weather conditions over the past week, there is possibility of increase infestation of Fruit Borer on Tomato thus to control spray to control spray the crop with Novaluron 10% E.C. or Chlorantraniliprole 18.5% S.C. 3 ml per 10 liter of water.
Brinjal		Cloudy and humid weather can lead to an infestation of shoot and fruit borer. To control this pest, install 5 pheromone traps per acre and conduct regular monitoring. Collect the affected shoots and fruits and bury them deep in the soil. In cases of severe infestation, spray Chlorpyrifos 20 EC @ 20 ml or Emamectin Benzoate 5 SG @ 4 grams or Thiodicarb 50 WP @ 15 grams per 10 liters of water.
Chili		The spread of the viral disease Leaf Curl in chili crops occurs through whiteflies. For managing this disease, the affected parts of the plant should be removed, and to control the whiteflies spreading the virus, a spray Acetamiprid 20 SP @ 3 grams per 15 liters of water should be applied.
Banana		Due to a drop in minimum temperature, irrigate the orchard at night. To protect banana bunches from the cold, cover them with 6% perforated white plastic bags. If Sigatoka disease is detected in banana crops, you should control the disease by removing either part of the affected leaves or entire leaves from the plants. When the disease is noticed, spray a mixture of 5 ml of Propiconazole and 100 ml of mineral oil in 10 liters of water. Repeat this spray application two times with a 20-day interval between each spray.
Animal Management		As temperature fluctuations increase the risk of viral diseases, it is essential to prioritize vaccination against foot-and-mouth disease, especially during the sugarcane harvesting season, which involves heightened animal transport. Additionally, there is an increased risk of pneumonia during this period.

Source

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

Place : Krishi Vigyan Kendra, Mohol.

Date : 20th, December 2024

Sd/-

**Nodal Officer, DAMU, KrishiVigyan Kendra,
Mohol, Solapur.**