



# AGROMET ADVISORY BULLETIN

GRAMIN KRISHI MAUSAM SEWA, AMFU, RAHURI  
DEPARTMENT OF AGRONOMY, MPKV, RAHURI.



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## 85) Weather based Agromet Advisory committee meeting dated 20.12.2024

District: Ahmednagar

Last Week Weather Summary (13.12.2024 to 19.12.2024)							Weather Parameters	Weather Forecast (21.12.2024 to 25.12.2024)				
13	14	15	16	17	18	19	Date	21	22	23	24	25
0	0	0	0	0	0	0	Rainfall (mm)	0	0	0	0	0
28	27.8	27.6	27.4	28	28.2	27.6	Max. Temp. (0C)	31	30	31	32	32
9.7	10.1	9.5	8.5	7.5	6.5	7.3	Min. Temp. (0C)	11	11	13	15	15
0	0	0	0	0	0	0	Cloud Cover	2	1	2	1	1
87	84	81	79	75	80	83	Max. RH (%)	56	54	56	63	67
32	33	39	24	26	25	30	Min. RH (%)	30	27	29	31	34
0.8	0.8	0.9	0.9	0.9	0.9	0.8	Wind Speed(km/hr)	2.2	4.9	2.9	2.5	3.3

### Agromet Advisory Based on Weather Forecast Prediction

Crop	Stage	Advisory
<b>Weather Summary</b>		According to the weather forecast from the Regional Meteorological Center, Mumbai, the next five days are likely to be dry.
<b>General Advisory</b>		Use Meghdoot mobile app for weather-based crop advisory and prediction.
<b>SMS Advisory</b>		<b>Wheat:</b> The remaining half dose of nitrogen should be applied to wheat crop at the time of first watering three weeks after sowing.
<b>Rabi safflower</b>	<b>Growth Stage</b>	Due to the cloudy and humid weather conditions over the past week, as well as the possibility of a further decrease in minimum temperature, the likelihood of the occurrence of aphid on safflower crops is increasing. If aphids are observed on the border rows, the first spray should be done using Acephate 75 SP at the rate of 16 grams per 10 liters of water.
<b>Rabi Sorghum</b>		Due to the cloudy and humid weather conditions over the past week, along with the possibility of a further decrease 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. 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.
<b>Chick pea</b>	<b>Rainfed Chick pea Flowering stage</b>	Due to the cloudy and humid weather conditions over the past week, if small larvae are observed on the crop during the flowering stage and white spots appear on the leaves, spray neem extract immediately. Five pheromone traps should be set per hectare for pest survey in gram crops. A first spray of 5 percent neem extract should be applied for pest control.
<b>Wheat</b>	<b>Emergence to seedlings</b>	If there is possible of irrigate the wheat crop twice after sowing, the first Irrigation should be done after 20 to 22 days, on Crown root initiation stage. The remaining half dose of nitrogen should be applied to wheat crop at the time of first watering three weeks after sowing.
<b>Onion</b>		Due to the cloudy and humid weather conditions over the past week, along with the possibility of a further decrease 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 of 6 ml of Lambda-cyhalothrin 5% EC and 10 ml of Tebuconazole per 10 liters of water during clear weather conditions.



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<b>Tomato</b>		At initial incidence of Pinworm, install 16 yellow sticky traps per acre. In heavy incidence, spray with Chlorantraniliprole 18.5 SC @ 3 ml or Flubendiamide 480 SC @ 3 ml in 10 liters of water.
<b>Chili</b>		For management of leaf curl virus, remove infected plant part and spray Acetamiprid 20 SP@ 3g per15 liters of water for control of whitefly vector.
<b>Brinjal</b>		Regularly monitor for shoot and fruit borer by using 5 pheromone traps per acre. Infested shoots and fruits should be collected and buried into the soil. In heavy incidence, spray with Chlorpyriphos 20 EC @ 20 ml or Emamectin benzoate 5 SG @ 4 g or Thiodicarb 50 WP @ 15 g in 10 liters of water.
<b>Vegetables crops</b>		Due to cloudy weather over the past week, there is a possibility of increasing the prevalence of sucking pest. For control of sucking insects, spray with Dimethoate 30 EC 15 ml or Imidacloprid 17.8 SL 4 ml per 10 liters of water.
<b>Animal Husbandry</b>		As the temperature fluctuates, which poses a greater risk for viral diseases. It's crucial to keep animals dry during the occasional rains. With the sugarcane harvesting season underway and heightened animal transport, it is essential to prioritise vaccination against foot-and-mouth disease. There is a risk of pneumonia during this season.

**Source:**

- 1) Weather Forecast : RMC, Mumbai  
2) Last week weather summary : Agromet Observatory, WMP, MPKV, Rahuri.

**Place : MPKV, Rahuri**

**Date : 20.12.2024**

**Sd/-**

**Nodal Officer, GKMS, AMFU Rahuri &  
Head, Department of Agronomy, MPKV, Rahuri.**