



**AGROMET ADVISORY BULLETIN**  
**GRAMIN KRISHI MAUSAM SEWA, AMFU, KOLHAPUR**  
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**Weather based Agromet Advisory committee meeting dated 06.12.2024**

**District: KOLHAPUR**

| Last Week Weather Summary<br>(30.11.2024 to 06.12.2024) |      |      |      |                                |      |      | Weather Parameters       | Weather Forecast<br>(07.12.2024 to 11.12.2024) |    |    |     |    |
|---|------|------|------|--------------------------------|------|------|--------------------------|--|----|----|-----|----|
| 30  | 01   | 02   | 03   | 04                             | 05   | 06   | Date                     | 07   | 08 | 09 | 10  | 11 |
| 0.0   | 0.0  | 0    | 0    | 0                              | 0    | 0    | <b>Rainfall (mm)</b>     | 6  | 3  | 0  | 0   | 0  |
| 29.8  | 29.5 | 30.4 | 28.0 | 27.5                           | 28.0 | 31.0 | <b>Max. Temp. (°C)</b>   | 31   | 29 | 29 | 28  | 28 |
| 14.2  | 18.0 | 18.5 | 22.4 | 22.0                           | 21.5 | 21.5 | <b>Min. Temp. (°C)</b>   | 23   | 22 | 19 | 17  | 16 |
| 0   | 0    | 8    | 7    | 8                              | 7    | 3    | <b>Cloud Cover</b>       | 6  | 6  | 5  | 5   | 5  |
| 0   | 1    | 8    | 7    | 8                              | 5    | 1    |                          |  |    |    |     |    |
| 73  | 76   | 85   | 92   | 92                             | 85   | 75   | <b>Max. RH (%)</b>       | 82   | 81 | 82 | 81  | 82 |
| 56  | 58   | 63   | 65   | 66                             | 62   | 52   | <b>Min. RH (%)</b>       | 56   | 55 | 56 | 56  | 56 |
| 1.4   | 1.9  | 1.1  | 1.8  | 3.4                            | 1.8  | 1.8  | <b>Wind Speed(km/hr)</b> | 2  | 1  | 0  | 2   | 7  |
| E   | E    | E    | E    | ENE                            | E    | NE   | <b>Wind Direction</b>    | NE   | NE | E  | NNE | NE |
| E   | NE   | E    | NE   | E                              | NE   | E    |                          |  |    |    |     |    |
| Rainfall last week                                      |      |      |      | Rainfall since 01.01.2024 (mm) |      |      |                          | Rainy days since 01.01.2024                    |    |    |     |    |
| 0.0   |      |      |      | 1488.3                         |      |      |                          | 91   |    |    |     |    |

**Agromet Advisory Based on Weather Forecast Prediction**

| Crop                    | Stage                    | Advisory   |
|-------------------------|--------------------------|--|
| <b>Weather Summary</b>  |                          | Weather forecast given by Regional Meteorological Centre, Mumbai has indicated that there is forecast of generally cloudy sky from 7 <sup>th</sup> to 11 <sup>th</sup> December in <b>Kolhapur</b> district. There is forecast of light rainfall at isolated places on 7 <sup>th</sup> and 8 <sup>th</sup> December. During next 5 days Maximum temperature will remain nearby 28.0 to 31.0 while the <b>minimum temperature may drop by 3 to 4 °C and it will drop upto 16.0°C</b> . Morning relative humidity will remain between 81 to 82% and Afternoon relative humidity will remain 55 to 56%. Wind speed will remain up to 01 to 07 km/h<br>According to Extended Range Forecast (ERF) in Madhya Maharashtra Sub Division rainfall will remain above normal, maximum temperature will remain below normal and minimum temperature will remain normal valid from 8 <sup>th</sup> to 14 <sup>th</sup> December, 2024            |
| <b>General Advisory</b> |                          | <b>Due to the increasing cold, citizens should take the following precautions:</b><br><ul style="list-style-type: none"> <li>➤ Take special care of elderly people and young children.</li> <li>➤ Stay indoors as much as possible and avoid unnecessary travel.</li> <li>➤ Wear sweaters, mufflers, ear caps, socks, and gloves.</li> <li>➤ Regularly consume warm beverages.</li> <li>➤ Stay updated on weather conditions by listening to the radio, watching TV, or reading newspapers.</li> </ul> <b>As the intensity of cold increased farmers should take care of their crop in following way</b><br><ul style="list-style-type: none"> <li>➤ To protect the crop from cold, provide light irrigation in the evening.</li> <li>➤ Cover banana bunches with perforated polyethylene bags.</li> <li>➤ Harvest workers should take special care. Avoid working early in the morning during cold warnings, if possible</li> </ul> |
| <b>SMS Advisory</b>     |                          | ➤ Due to cloudy condition there is incidence of gram pod borer in chick pea thus to control install 50 bird perches per hectare at 15 to 20 meter distance   |
| <b>Maize</b>            | <b>Vegetative growth</b> | <ul style="list-style-type: none"> <li>➤ The infestation of American Army worm/ Spodoptera Frujiperda is observed in some parts thus to control follow the following control measures.</li> <li>➤ Physical Control: Collect the clusters of eggs and destroy it</li> <li>➤ <b>Chemical Control:</b></li> <li>➤ During early growth stages of larvae ( 1<sup>st</sup> to 3<sup>rd</sup> stage) spray the crop with Neem ark 1500 PPM 5 ml ot Nimboli Ark 5% per liter water <b>Or</b></li> <li>➤ Spray the crop with Chlorantraniprol 18.5% SC 40 GAI per hectare or Emamectin Benzoate 5% SG 8 gram per liter water <b>Or</b></li> <li>➤ Spray the crop with Spinetoram 11.7 S.G. @ 0.5 ml per liter of water <b>or</b></li> </ul>   |



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|                      |                                       |   |
|----------------------|---------------------------------------|---|
|                      |                                       | ➤ Spray the crop with Emamectin Benzoate 5%+ Lufenuron 40% W.G. 0.2 gram or Novaluron 5.25% + Emamectin Benzoate 0.9% SC 3 ml per liter of water.   |
| <b>Rabbi Sorghum</b> | <b>Vegetative</b>                     | ➤ The temperature dropped below 15°C thus the incidence of aphids is observed in some parts.<br>➤ Nymphs and Adults of Aphids sucks the sap from leaves and excretes honey like sugary substance on leaves thus black mould develops on this substance (Sticky/Sugary disease) which alters the food formation of plants and results in decrease in yield of crop.<br>➤ To manage this, spray 30% liquid Dimethoate at the rate of 500 ml in 500 liters of water.<br>➤ For control use yellow sticks traps @ 4 per hectare and if infestation notices spray the crop with 5% Neem Seed Kernel Extract @ 5ml per liter of water. |
| <b>Wheat</b>         | <b>Beginning of tillering</b>         | ➤ Due to the cloudy weather there is possibility of incidence of Rust on Wheat plant. To control rust spray the crop with Mancozeb @ 1.5 kg by mixing in 500 liters of water per hectare.   |
| <b>Chick Pea</b>     | <b>Flowering</b>                      | ➤ During flowering to pod filling stage spray the crop with 2% Urea.  |
| <b>Cucumber</b>      | <b>Flowering to fruit development</b> | ➤ Due to cloudy and humid weather there is possibility of incidence of Downey mildew on Cucumber thus to control spray the crop with Azoxystrobin 10ml or Dimethomorph + Pyraclostrobin 20 gram per 10 liters of water.   |
| <b>Mango</b>         | <b>New flush</b>                      | ➤ Due to cloudy and humid weather there is attack of Blight in some parts thus to control take first spray with Azoxystrobin 23% S.C. 10ml per 10 liters of water.  |
| <b>Animals</b>       | <b>Growth</b>                         | ➤ With the advice of Veterinarian carry out vaccination of healthy animals for prevention from Foot and Mouth disease, Hemorrhagic septicemia and Black quarter. Do not carry vaccination to sick and pregnant animals.   |
| <b>Poultry</b>       | <b>Growth</b>                         | ➤ There is forecast of drop in Tmin upto 16.0°C thus to protect poultry bird from cold keep the poultry shed warm particularly during night and early in morning.   |

**Source:**

- 1) Weather Forecast : Research Section, Mumbai
- 2) Last week weather summary : IMD observatory (ZARS,KOLHAPUR)

**Place : ZARS, KOLHAPUR**

**Date : 06.12.2024**

**Sd/-**  
**Nodal Officer, GKMS, &**  
**Associate Director of Research,**  
**ZARS, Kolhapur**