



**Gramin Krishi Mausam Sewa**  
**Agromet Advisory Bulletin for HATHRAS District**  
**Chander Shekhar Azad University of Agriculture & Technology**  
Kanpur, Uttar Pradesh



## **Agromet Advisory Bulletin**

Date : 2025-05-23

**Weather Forecast of District HATHRAS (Uttar Pradesh) Issued On : 2025-05-23 (Valid Till 08:30 IST of the next 5 days)**

Parameter	2025-05-24	2025-05-25	2025-05-26	2025-05-27	2025-05-28
Rainfall(mm)	0.0	0.0	0.0	0.0	0.0
Tmax(°C)	40.0	40.0	40.0	41.0	40.0
Tmin(°C)	27.0	29.0	30.0	29.0	30.0
RH-I(%)	65	61	59	61	61
RH-II(%)	38	41	39	38	43
Wind Speed(kmph)	16	14	12	16	16
Wind Direction(Degree)	102	102	112	117	118
Cloud Cover(Octa)	0	2	2	3	3
Warning	Thunderstorms & Lightning, Squall etc; Strong Surface Winds	No Warning	No Warning	No Warning	No Warning

### **Forecast Summary:**

According to the weather forecast received from the Indian Meteorological Department, light cloud cover in the next five day but there is a no any possibility of rain. The maximum temperature is between 40.0- 41.0°C, which is likely to be 1-2°C higher normal and the minimum temperature is between 27.0-30.0°C, which is likely to be 1-2°C higher normal. The maximum and minimum range of relative humidity is between 59-65 and 38- 43%. Wind direction is south-east and wind speed is between 12.0-16.0 kmph with gusts expected to be 6-8 kmph high speed than normal.

### **Weather Warnings (Valid Till 08:30 IST of the next day)**

According to the weather forecast received from the Indian Meteorological Department, there is a warning of local thunderstorms / lightning and strong surface winds on 24 May 2025.

### **Likely impacts of weather warnings on Agriculture and associated Agromet advisories**

In view of the warning of thunderstorm/lightning and strong surface winds, farmers are advised not to tie animals in open space/under trees and also postpone their travel or activity. If you are in a group during a thunderstorm, separate from each other. This will reduce the number of injuries if the lightning strikes the ground.

### **General Advisory:**

In view of the possibility of thunderstorms and strong surface winds, farmers are advised to irrigate the standing maize crop only when the winds are calm. Spray insecticides, fungicides and weedicides only when the winds are calm/the sky is clear and do not spray insecticides, pesticides and weedicides while standing in the opposite direction of the wind. If possible, hands should be washed thoroughly with soap or hand wash after spraying, before eating and after washing clothes.

#### SMS Advisory:

Taking advantage of last week's rain, farmers should sow Kharif maize at appropriate moisture.

#### Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
MAIZE (Millking)	Maize crop is in the stage of seed emergence/cob formation/grain filling which is sensitive to moisture deficiency. Therefore, maintain proper moisture by doing light irrigation as per requirement. There is a possibility of infestation of stem borer/shoot fly insect in maize crop, hence for its prevention, spray Emamectin Benzoate 5 % SG 200 gm/hectare or Dimethoate 30% EC 1.0 litre/hectare by dissolving it in 600-700 litres of water.
BLACK GRAM (Pod Development)	Urad/Mung crop is in the stage of flower to pod formation which is sensitive to moisture deficiency. Therefore, maintain proper moisture by doing light irrigation as per requirement. There is a possibility of infestation of pod borer insect in Urad crop, hence for its prevention, spray Emamectin Benzoate 5% SG 220 gm/hectare or Dimethoate 30% EC. Make a solution of 1.0 litre/hectare in 600-700 litres of water and spray it when the sky is clear.
MAIZE (Sowing)	Taking advantage of last week's rain, farmers should arrange for fertilizers and seeds for sowing any one of the recommended improved complex varieties of Kharif maize - Kanchan, Gaurav, Sweta, Azad Uttam and hybrid varieties - Prakash, Y-1402, Bio-9681, Pro-316, D-9144, Dikalb- 7074, PHB-8144, Deccan 115, MMH-133 etc. For sowing complex variety of maize, sow at the rate of 20-25 kg seed/hectare and Shankar variety at the rate of 18-20 kg seed/hectare.

#### Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
BRINJAL (Physiological Maturity)	Harvest the ripe crops of pumpkin, bottle gourd, ridge gourd, bitter gourd, cucumber, watermelon, muskmelon etc. and send them to the market. For prevention of fruit borer/leaf borer pests in vegetable crops, prepare a solution of 1.5-2.0 ml/liter of water with neem oil and spray 3-4 times at an interval of 8-10 days. Do weeding and hoeing in standing vegetable crops and do irrigation work in the evening at an interval of 8-10 days.
MANGO	Dig pits for planting new orchards. Do irrigation work in orchards of mango, guava, lemon plum, grapes, papaya and litchi etc. To prevent mango fruits from falling, irrigate the orchards or make a solution of 20 ml of alpha naphthalene acetic acid 4.5 SL in one liter of water and spray. To prevent Koilia disorder or internal rot disease in mango fruits, prepare a solution of 0.8 percent borax at 0.8 gram/liter water and spray twice at an interval of 10 days.

#### Live Stock Specific Advisory:

Live Stock	Live Stock Specific Advisory
BUFFALO	In view of the current weather, farmers are advised to tie the animals in the open during the night. Tie the animals in a shady place during the day or do not tie the animals under the trees because due to the wind speed being faster than normal this week, there is a high possibility of trees / branches of trees falling. Vaccinate the animals with FMD vaccine to prevent foot and mouth disease and VQ vaccine to prevent Lagadia fever. Give sufficient amount of grains to the animals along with green and dry fodder. Make sure to give clean and fresh water to the animals 3-4 times a day. Do not tie pregnant animals at a sloping place. This is the right time to give deworming medicine to the animals to prevent stomach worms.

#### Poultry Specific Advisory:

Poultry	Poultry Specific Advisory
HEN	Farmers are advised to add supplements, vitamins and energy food items to the food of chickens and also give calcium to the chickens. Give medicine to prevent worms in the stomach of chickens (deworming). To protect the chickens from heat, arrange curtains, fans and ventilation in the poultry house. To protect the chickens from heat, sprinkle water on the jute curtains installed in the poultry house so that it remains cool.

#### Others (Soil / Land Preparation) Specific Advisory:

Others (Soil / Land Preparation)	Others (Soil / Land Preparation) Specific Advisory
AGRI FIELD	Taking advantage of last week's rain, farmers should plough the fields empty of wheat and other crops deeply using a disc plough so that the eggs and larvae of harmful insects hidden inside the ground get destroyed in the sun.

#### Likely impacts of weather warnings (General)

According to the weather forecast received from the Indian Meteorological Department, there is a warning of thunderstorms/lightning and strong surface winds at local level.
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#### Impact based advisories (General)

In view of the warning of thunderstorm/lightning and strong surface winds, farmers are advised not to tie animals in open space/under trees and also postpone their travel or activity. If you are in a group during a thunderstorm, separate from each other. This will reduce the number of injuries if the lightning strikes the ground.
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Farmers are advised to download Unified "Mausam" and "Meghdoot" android application on mobile for Weather forecast and weather based Agromet Advisories and "Damini" android application for forecast of Thunderstorm and lightning.

Mausam MobileApp link: <https://play.google.com/store/apps/details/>

Meghdoot MobileApp link: <https://play.google.com/store/apps/details>

Damini MobileApp link : <https://play.google.com/store/apps/details>