



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



Agromet Advisory Bulletin

Date : 2025-05-16

Weather Forecast of District HATHRAS (Uttar Pradesh) Issued On : 2025-05-16 (Valid Till 08:30 IST of the next 5 days)

| Parameter | 2025-05-17 | 2025-05-18 | 2025-05-19 | 2025-05-20 | 2025-05-21 |
|------------------------|------------|------------|------------|------------|------------|
| Rainfall(mm) | 0.0 | 0.0 | 0.0 | 2.0 | 0.0 |
| Tmax(°C) | 45.0 | 44.0 | 43.0 | 43.0 | 42.0 |
| Tmin(°C) | 28.0 | 29.0 | 29.0 | 29.0 | 28.0 |
| RH-I(%) | 35 | 37 | 39 | 48 | 52 |
| RH-II(%) | 19 | 20 | 21 | 24 | 26 |
| Wind Speed(kmph) | 5 | 10 | 4 | 4 | 0 |
| Wind Direction(Degree) | 254 | 279 | 334 | 100 | 90 |
| Cloud Cover(Octa) | 3 | 3 | 4 | 3 | 2 |
| Warning | Heat Wave | Heat Wave | No Warning | No Warning | No Warning |

Forecast Summary:

According to the weather forecast received from the Indian Meteorological Department, due to light to moderate cloud cover in the next five days there is possibility of light rain on 20 May, 2025. The maximum temperature is between 42.0- 45.0°C, which is likely to be 3-4°C higher normal and the minimum temperature is between 28.0-29.0°C, which is likely to be 3-4°C higher normal. The maximum and minimum range of relative humidity is between 35-52 and 19-26%. Wind direction is south-west, south-east and wind speed is between 0.0-10.0 kmph with gusts expected to be 4-5 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 heat wave in the next five days.

Likely impacts of weather warnings on Agriculture and associated Agromet advisories

Looking at the weather conditions farmers are advised not to irrigate standing crops in the morning and afternoon to protect them from the heat wave. Do not do any work on the fields between 11 am to 4 pm and do light irrigation in standing crops in the evening at an interval of 7-8 days. Do not leave the animals outside for grazing between 11 am to 4 pm. Bathe the animals in the morning and evening. Looking at the intense heat farmers should keep drinking water at short intervals while working in the fields. Do not go out of the house unnecessarily during the afternoon. If there is any important work then go out of the house only after tying a towel on the head.

General Advisory:

Farmers are advised to maintain proper moisture in standing vegetables and crops by doing light irrigation as per requirement. While working in the field, tie a towel on the head and keep a water bottle with you. In view of the severe heat, give water to the animals 3-4 times a day and bathe them in the morning and evening. Use separate equipment for insecticides, fungicides and weedicide chemicals or wash the equipment with clean water and do not spray insecticides, fungicides and weedicide chemicals while standing in the opposite direction of the wind. If possible, spray in the evening, after spraying, wash hands thoroughly with soap or hand wash before eating or drinking and wash clothes and take a bath.

SMS Advisory:

To protect from the sun, when going out of the house during the day, cover the head with an umbrella, cap or cotton cloth. Irrigate standing crops at an interval of 7-8 days in the evening.

Crop Specific Advisory:

| Crop (Stage) | Crop Specific Advisory |
|--------------------------|---|
| MAIZE (Flowering) | Maize crop is going on at the stage of cumin extract /cob formation/grain filling which is sensitive to moisture deficiency. Therefore, maintain proper moisture by giving light irrigation as per requirements. There is a possibility of outbreak of stem borer / shoot fly pest in maize crop, so for its prevention, solution of Emamectin Benzoate 5% SG at the rate of 200 g/ha or Dimethoate 30% EC 1.0 l/ha in 600-700 liters of water make a spray. |
| BLACK GRAM (Flowering) | Black gram crop is progressing from flower to pod formation stage which is sensitive to moisture deficiency. Therefore, maintain proper moisture by applying light irrigation as per requirement. There is a possibility of outbreak of pod borer in black gram crop, so to prevent it, apply Emamectin Benzoate 5% SG 220 g / hectare or Dimethoate 30% EC. Spray at the rate of 1.0 liters/hectare in 600-700 liters of water when the sky is clear. |
| GREEN GRAM (Vegetative) | In green gram crop, maintain proper moisture by giving light irrigation at intervals of 10 -12 days as per requirement. Thrips/green leaf pest is likely to be seen in green gram crop, so for its prevention, spray Oxidemetan-methyl 25% EC or Dimethoate 30% EC at the rate of 1.0 liter/ha by making a solution in 600-700 liters of water. |
| MAIZE (Sowing) | Prepare the field for sowing Kharif maize only after ploughing, and also make arrangement for fertilizers and seeds for sowing any one of the improved recommended complex varieties- 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 varieties 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 finished crops like Pumpkin, Gourd, Taroi, Bitter gourd, Cucumber, Cucumber, Watermelon and Melon etc. and send them to the market. For the prevention of fruit borer / leaf borer pest in vegetable crops, make a solution of neem oil in 1.5-2.0 ml / liter of water and do 3-4 sprays at an interval of 8 -10 days. Do weeding and hoeing in the standing crops of vegetables and do irrigation work at an interval of 8-10 days in the evening. |
| MANGO | Dig pits for planting new gardens. Do irrigation work in orchards of mango, guava, lemon plum, grapes, papaya and litchi etc. Irrigate the orchards to prevent fall of mango fruit or apply 4.5 SL of 20 ml alpha naphthalene |

| Horticulture (Stage) | Horticulture Specific Advisory |
|----------------------|---|
| | acetic acid make a solution per liter of water and spray it. To prevent cuckoo disorder or internal rot disease in mango pods, make borax 0.8% solution in 0.8 g / liter water and spray 2 at 10 days interval. |

Live Stock Specific Advisory:

| Live Stock | Live Stock Specific Advisory |
|------------|---|
| BUFFALO | Considering the current weather, farmers are advised to tie the animals in the open during the night. Tie the animals in a shade time place during the day. Do not tie the animals under the tree because this week the chances of falling trees twigs are high due to the speed of the winds. FMD for the prevention of foot-mouth disease to animal's vaccine and VQ for prevention of Lagadia fever. Give sufficient quantity of grains to the animals with green and dry fodder. Animals must be given clean and fresh water 3-4 times a day. Do not tie pregnant animals to the sloping place. The best time to give anthelmintic drugs for the prevention of insects in the stomach of animals. |

Poultry Specific Advisory:

| Poultry | Poultry Specific Advisory |
|---------|--|
| HEN | Farmers are advised to add dietary supplements; vitamins and energy feed ingredients to the hens as well as add calcium content to the hen. Give medicine for the prevention of worms in the stomach of hen (Divmirg). To protect the chickens from heat, arrange curtains, fans and ventilation in the hen house. To save the chickens from the heat, sprinkle water on the curtains engaged in the chicken house so that the coolness remains. |

Others (Soil / Land Preparation) Specific Advisory:

| Others (Soil / Land Preparation) | Others (Soil / Land Preparation) Specific Advisory |
|----------------------------------|--|
| AGRI FIELD | Deep plow the fields empty of wheat and other crops with disc plow so that the eggs and larvae of harmful insects hidden inside the ground are destroyed in the sun. |

Likely impacts of weather warnings (General)

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| According to the weather forecast received from the Indian Meteorological Department, there is a warning of heat wave in the next five days. |
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Impact based advisories (General)

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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 lightening.

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>