



Gramin Krishi Mausam Sewa

Agromet Advisory Bulletin for HATHRAS District
Chander Shekhar Azad University of Agriculture &
Technology



Kanpur, Uttar Pradesh

Agromet Advisory Bulletin

Date : 2025-12-30

Weather Forecast of District HATHRAS (Uttar Pradesh) Issued On : 2025-12-30 (Valid Till 08:30 IST of the next 5 days)

| Parameter | 2025-12-31 | 2026-01-01 | 2026-01-02 | 2026-01-03 | 2026-01-04 |
|------------------------|------------|------------|------------|------------|------------|
| Rainfall(mm) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Tmax(°C) | 15.0 | 15.0 | 13.0 | 15.0 | 14.0 |
| Tmin(°C) | 8.0 | 8.0 | 9.0 | 10.0 | 10.0 |
| RH-I(%) | 93 | 93 | 95 | 92 | 92 |
| RH-II(%) | 61 | 62 | 67 | 68 | 71 |
| Wind Speed(kmph) | 6 | 2 | 8 | 6 | 4 |
| Wind Direction(Degree) | 297 | 297 | 320 | 97 | 351 |
| Cloud Cover(Octa) | 0 | 1 | 0 | 1 | 0 |
| Warning | Fog | No Warning | No Warning | No Warning | No Warning |

Forecast Summary:

According to the weather forecast from the Indian Meteorological Department, due to clear sky weather in the next five days there is a no possibility of rain, medium to dense fog in the atmosphere and it will be possibility cold wave during the mornings and nights. The maximum temperature is between 13.0-15.0°C, which is likely to be 4-5°C lower normal and the minimum temperature is between 8.0-10.0°C, which is likely to be 1-2°C higher normal. The maximum and minimum range of relative humidity is between 92-95 and 61-71%. The wind direction will be from the north-west, north-east and the wind speed will be between 2.0-8.0 km/hour, which is expected to be 2-3 km/hour higher than normal.

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

According to the weather forecast received from the Indian Meteorological Department, a warning has been issued for medium to dense fog and cold wave during the morning and night.

Likely impacts of weather warnings on Agriculture and associated Agromet advisories

Farmers are advised to provide light irrigation to standing Rabi crops to maintain adequate moisture and protect them from frost. For crops like mustard, chickpeas, kidney beans, and peas, spray a solution of 0.1% sulfuric acid (1 liter in 1000 liters of water) to protect them from the cold wave.

General Advisory:

Farmers are advised to irrigate their crops lightly and frequently in the evening to protect them from frost/cold waves, drain the water from the fields in the morning, and irrigate lightly again in the evening. To protect crops like mustard, chickpeas, kidney beans, and peas from cold waves, spray a solution of 0.1% sulfuric acid at a rate of 1 liter per 1000 liters of water. People are advised to wear warm clothes, stay indoors as much as possible, and minimize travel to avoid exposure to cold air. Drive vehicles only for essential purposes during dense fog at night. Use fog lights while driving. While driving in dense fog, always follow the road markings for safe transportation. Also, cover livestock with jute sacks at night and do not tie them in open areas during the night.

SMS Advisory:

Farmers are advised to do light, frequent irrigation in the evening to protect the crops from cold/cold wave, drain the water from the field in the morning and irrigate the field again in the evening.

Crop Specific Advisory:

| Crop (Stage) | Crop Specific Advisory |
|-------------------------|--|
| WHEAT (Tillering) | First irrigation in wheat crop after 20-25 days of sowing and 28-30 days after sowing in the grassland (Crown root Initiation stage) and second irrigation on 40-45 days at the time of tillering. In wheat crop, if weeds of both succulent and broad-leaved weeds are seen, sulfosulfuran solution can be mixed in 500-600 liters of water at the rate of 75% WP 33 g / ha or matribujin 70% WP 250 g / ha. Make and sprinkle. |
| MUSTARD (Flowering) | Second irrigation in mustard crop should be done 55-65 days after sowing, before flowering. Due to continuously cloudy weather in the sky, the possibility of aphid pest in mustard crop increases, hence to prevent it, use of Chlorpyrifos 20% EC. 1.0 liter/ha or monocrotophos 36% SL. Make a solution of 500 ml/ha in 600-700 liters of water and spray it. |
| FIELD PEA (Flowering) | For the prevention of ducal disease spreading like white powder on leaves, stems and pods due to excess moisture in pea crop, use soluble sulfur 80 % 2 kg or Tridemorph 80% EC at the rate of 50 ml/ha Spray the solution in 500-600 liters of water. |
| CHICK PEA (Vegetative) | If the crop of gram sown on time has reached 15-20 cm, then do nipping the crop. There is a possibility of outbreak of cutworm (caterpillar insect) in chick pea crop, to prevent this, chlorpyrifos 50% EC + Spermethrin 5% EC at a rate of 2.0 liters / ha is sprayed in 500-600 liters of water. In the chick pea crop weeding - hoeing should be done after 30-35 days of sowing. |

Horticulture Specific Advisory:

| Horticulture (Stage) | Horticulture Specific Advisory |
|---------------------------|--|
| POTATO (Vegetative) | The outbreak of scorch disease spreads rapidly in potato crop due to increased humidity/cloudy weather and fall in temperature, so for its prevention, spray Mancozeb in 2.0 gm/Litre water after making a solution. Irrigation work in potato crop should be done as per requirement at an interval of 12-15 days. There is a possibility of outbreak of cutworm pest in potato crop, for its prevention, spray Chlorpyriphos 20 EC at the rate of 2.5 liters/ha in 500-600 liters of water. |
| ONION (Nursery/ seedling) | Weeding and irrigation should be done as per the requirement of the vegetables. In case of late blight and bacterial bilt disease outbreak in tomato crop, spray mixture of 30 gm copper oxychloride and 1 gm streptomycin in 10 liters of water. If the infestation of fruit borer / leaf borer insect is visible in vegetable crops, then for its control, make a solution of neem oil in 1.5 ml / liter of water and do 3-4 sprays at an interval of 8-10 days. Damping off (humid rot) disease is likely to be seen in onion nursery, for its prevention, spray Thyram 2.5 gm or Macozeb 2.5 gm/Litre of water by making a solution. Recommend onion species - Kalyanpur Red Gol, Pusa Ratanar, Agrifound Light Red, X Kylever, Burgundy, KP, Orient, Rosie etc. for nursery of any one variety also, transplant the prepared seedlings. |
| PAPAYA (Transplanting) | Perform the transplanting of papaya seedlings. Make a stand of 25-30 meters high soil around the stem by folding banana / papaya bags. For prevention of mango leaf moth, apply 2% carburil 1.5% dust. |

Live Stock Specific Advisory:

| Live Stock | Live Stock Specific Advisory |
|------------|--|
| BUFFALO | In view of the possibility of change in weather, farmers are advised not to tie their animals in the open during night and put jute sack curtains on windows and doors at night and remove the curtains during the day in the sun. Vaccinate animals to prevent foot and mouth disease. Wash wounds of |

| Live Stock | Live Stock Specific Advisory |
|-------------------|---|
| | animals affected by this disease with potassium permanganate. Do not tie pregnant buffaloes/cows on slopes. Feed pregnant buffaloes/cows nutritious fodder and grains, and make sure to feed newborn calves khees for three days. Provide animals with adequate amounts of grain, along with green and dry fodder. To prevent the infection of Kilni/Lice, spray lime in the cattle sheds so that the eggs and larvae of Kilni/Lice are destroyed. To prevent all reproductive diseases, livestock farmers are advised to feed green fodder, straw, animal feed and mineral salts. Animals must be provided with clean, fresh water two to three times a day. Farmers/livestock owners can avail the benefits of this scheme by contacting the toll-free helpline number 1962 to provide veterinary services at their doorstep. |

Poultry Specific Advisory:

| Poultry | Poultry Specific Advisory |
|----------------|--|
| HEN | Farmers are advised to provide light to the chickens for 15 to 16 hours a day. Add dietary supplements, vitamins and energy feed ingredients to the hens as well as the calcium content of the chickens. Provide adequate heat to keep the chicks from freezing. |

Likely impacts of weather warnings (General)

According to the weather forecast received from the Indian Meteorological Department, a warning has been issued for medium to dense fog and cold wave during the morning and night.

Impact based advisories (General)

Farmers are advised to provide light irrigation to standing Rabi crops to maintain adequate moisture and protect them from frost. For crops like mustard, chickpeas, kidney beans, and peas, spray a solution of 0.1% sulfuric acid (1 liter in 1000 liters of water) to protect them from the cold wave.

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>