



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



Agromet Advisory Bulletin

Date : 2025-12-23

Weather Forecast of District HATHRAS (Uttar Pradesh) Issued On : 2025-12-23 (Valid Till 08:30 IST of the next 5 days)

| Parameter | 2025-12-24 | 2025-12-25 | 2025-12-26 | 2025-12-27 | 2025-12-28 |
|------------------------|------------|------------|------------|------------|------------|
| Rainfall(mm) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Tmax(°C) | 20.0 | 18.0 | 18.0 | 18.0 | 18.0 |
| Tmin(°C) | 10.0 | 9.0 | 9.0 | 9.0 | 9.0 |
| RH-I(%) | 98 | 98 | 95 | 90 | 92 |
| RH-II(%) | 63 | 60 | 57 | 57 | 60 |
| Wind Speed(kmph) | 11 | 12 | 10 | 6 | 7 |
| Wind Direction(Degree) | 289 | 306 | 295 | 313 | 295 |
| Cloud Cover(Octa) | 0 | 0 | 2 | 4 | 1 |
| Warning | No Warning | No Warning | No Warning | Fog | Fog |

Forecast Summary:

According to the weather forecast from the Indian Meteorological Department, clear sky weather for the first two days and light cloud conditions for the remaining days, but there is no possibility of rain. Dense fog in the upper atmosphere and it will be possibility cold wave during the mornings and nights. The maximum temperature is between 18.0- 20.0°C, which is likely to be 1-2°C below normal and the minimum temperature is between 9.0-10.0°C, which is likely to be near its normal. The maximum and minimum range of relative humidity is between 90-98 and 57-63%. The wind direction will be from the northwest and the wind speed will be between 6-12.0 km/hour, which is expected to be 4-5 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 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. They should also try to complete the sowing of Rabi crops, such as late-sown wheat, as soon as possible, ensuring proper soil moisture levels.

General Advisory:

Farmers are advised to sow late-sown wheat at the appropriate soil moisture level. Light mist is expected in the upper atmosphere, and dense fog is likely during the morning and night. Therefore, farmers should maintain adequate moisture in standing crops of wheat, mustard, potatoes, and vegetables by providing light irrigation as needed. Considering the current weather conditions, to protect livestock from the cold, cover them with blankets in the morning and evening, and cover the windows and doors of the animal sheds with burlap or jute sacks at night, removing the coverings during the day. Take the animals out of the sheds in the morning and tie them in the sunlight.

SMS Advisory:

Farmers are advised to sow late sown wheat and gram and irrigate the crops and vegetables standing in the field as per requirement.

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. Recommended varieties of wheat to be sown late in irrigated condition of weather Malviya-234, U.P.-2338, K.-7903, K.-1902, K.-9533, ND-2643, H. P.-1744, N.W.-1014, U.P.-2425, D.B.W.-14, P.B.W.-524, N.W.-510, N.W.-1076 Do the work of sowing of any one species at proper moisture. |
| MUSTARD (Flowering) | Top dressing of the remaining quantity of nitrogen in timely sown mustard crop is done by first irrigation (30-35 days after sowing) at suitable moisture and second irrigation before flowering on 55-65 days after sowing. There is a possibility of outbreak of sawfly and hairy bollworm in the crop, so to prevent this, spray Emamectin Benzoate 5% SG @ 200 gm/hectare in 500-600 liters of water. |
| FIELD PEA (Vegetative) | In pea crop, first irrigation should be done while making flowers and second irrigation should be done while filling grains. In pea crop there is a possibility of outbreak of stem fly and leaf mulch, so spraying of imamactin benzoate at the rate of 5% SG 200 g / ha in 500-600 liters of water. |
| CHICK PEA (Vegetative) | If the gram sown is grown from time to time of 10 - 12 cm, then is nipping the crop. There is a possibility of outbreak of cutworm (caterpillar insect) in gram crop, to prevent this, chlorpyrifos 50% EC + Spemethrin 5% EC at a rate of 2.0 liters / ha is sprayed in 500-600 liters of water. |

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 Chlorpyrifos 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 Thiram 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. |
| 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 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 give provide light to the chickens 15 to 16 hours a day. The hen supplements the food, mix vitamins and energy food material in their feed as well as calcium content to hens. Arrange enough heat to keep the chickens 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 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. They should also try to complete the sowing of Rabi crops, such as late-sown wheat, as soon as possible, ensuring proper soil moisture levels.

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>