



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



Agromet Advisory Bulletin

Date : 2025-12-16

Weather Forecast of District HATHRAS (Uttar Pradesh) Issued On : 2025-12-16 (Valid Till 08:30 IST of the next 5 days)

Parameter	2025-12-17	2025-12-18	2025-12-19	2025-12-20	2025-12-21
Rainfall(mm)	0.0	0.0	0.0	0.0	0.0
Tmax(°C)	24.0	24.0	24.0	24.0	24.0
Tmin(°C)	10.0	9.0	11.0	10.0	9.0
RH-I(%)	97	97	94	90	90
RH-II(%)	61	58	60	60	56
Wind Speed(kmph)	9	12	8	10	8
Wind Direction(Degree)	299	292	319	293	296
Cloud Cover(Octa)	0	0	4	3	4
Warning	No Warning	No Warning	No Warning	No Warning	No Warning

Forecast Summary:

According to the weather forecast received from the Indian Meteorological Department, clear sky weather in the first two days and light cloud cover in the remaining day but there is a no possibility of rain. There is a possibility of dense fog in the upper surface of the atmosphere and cold in the morning and night . The maximum temperature is between 22.0- 23.0°C, which is likely to be 1-2°C higher normal and the minimum temperature is between 11.0-13.0°C, which is likely to be near its normal. The maximum and minimum range of relative humidity is between 90-97 and 56-61%. Wind direction is north-west and wind speed is between 8.0-12.0 km/h with winds expected to be 4-5 Km/h higher 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 during the morning and night.

Likely impacts of weather warnings on Agriculture and associated Agromet advisories

Farmers are advised to maintain adequate moisture by lightly irrigating standing Rabi crops to protect them from frost. They should strive to complete sowing of Rabi crops, such as wheat and chickpea, as quickly as possible with adequate moisture.

General Advisory:

Farmers are advised to sow late sown wheat at proper moisture. There is a possibility of light mist on the upper surface of the atmosphere and light to moderate fog in the morning. Therefore, farmers should maintain proper moisture in standing crops of wheat, mustard, potato and vegetables by doing light irrigation as per requirement. In view of the current weather, to protect the animals from cold, put swings over the animals in the morning and evening and at night cover the windows and doors of the enclosure with curtains of sackcloth and remove the curtains during the day. Take the animals out of the enclosure in the morning and tie them in the sun.

SMS Advisory:

Farmers are advised to maintain proper moisture by doing light irrigation to protect standing crops of wheat, mustard, potatoes and vegetables from frost.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
WHEAT (Tillering)	In the wheat crop on first irrigation must be done 20-25 days after sowing and 28-30 days after sowing in the grassland (Crown root Initiation stage). 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 (Vegetative)	Weeding should be done within 15-20 days of sowing of mustard crop and the distance between plants should be made 10-15 cm. In the timely sown mustard crop, topdressing the remaining quantity of nitrogen during the first irrigation (30-35 days after sowing) at appropriate moisture. There is a possibility of outbreak of mustard saw fly and hairy caterpillar pest in the mustard crop, so for its prevention, spraying of imamactin benzoate at the rate of 5% SG 200 g / ha in 500-600 liters of water.
FIELD PEA (Vegetative)	In pea crop, weeding - hoeing should be done 20-25 days after sowing and first irrigation after 35-40 days of sowing. For controlling stem fly and leaf miner insect in pea crop, spray Dimethoate 30% EC or Methyl-O-Demeton 25% EC at the rate of 1.0 liter per hectare by dissolving it in about 500-600 liters of water.
CHICK PEA (Vegetative)	If the crop of gram sown 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 + Spemethrin 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 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 clean every day at the place where the chickens live. Arrange for clean water and balanced diet to the hens. Arrange sufficient heat to protect the chickens / chicks from cold. Provide adequate lighting to the chickens / chicks. Drink anthelmintic medicine. Ranikhet gets vaccinated to prevent disease.

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 during the morning and night.

Impact based advisories (General)

Farmers are advised to maintain adequate moisture by lightly irrigating standing Rabi crops to protect them from frost. They should strive to complete sowing of Rabi crops, such as wheat and chickpea, as quickly as possible with adequate moisture.

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>