



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



Agromet Advisory Bulletin

Date : 2025-12-19

Weather Forecast of District HATHRAS (Uttar Pradesh) Issued On : 2025-12-19 (Valid Till 08:30 IST of the next 5 days)

Parameter	2025-12-20	2025-12-21	2025-12-22	2025-12-23	2025-12-24
Rainfall(mm)	0.0	0.0	0.0	0.0	0.0
Tmax(°C)	21.0	21.0	22.0	23.0	23.0
Tmin(°C)	11.0	11.0	12.0	13.0	15.0
RH-I(%)	85	76	82	82	82
RH-II(%)	48	44	49	56	51
Wind Speed(kmph)	8	8	4	2	11
Wind Direction(Degree)	297	293	79	256	294
Cloud Cover(Octa)	0	0	1	0	0
Warning	Cold Day; Fog	Fog	No Warning	No Warning	No Warning

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 is expected in the upper atmosphere, and it will be cold wave during the mornings and nights. The maximum temperature is between 21.0- 23.0°C, which is likely to be near its normal and the minimum temperature is between 11.0-15.0°C, which is likely to be 2-3°C higher normal. The maximum and minimum range of relative humidity is between 76-85 and 44-56%. The wind direction will be from the northwest and northeast, and the wind speed will be between 2-11.0 km/hour, which is expected to be 3-4 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 that the weather is favorable for sowing Rabi crops and vegetables. Efforts should be made to complete the sowing of Rabi crops such as wheat and gram mustard as soon as possible, ensuring adequate soil moisture.

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)	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 (Flowering)	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 wave during the morning and night.

Impact based advisories (General)

Farmers are advised that the weather is favorable for sowing Rabi crops and vegetables. Efforts should be made to complete the sowing of Rabi crops such as wheat and gram mustard as soon as possible, ensuring adequate soil 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>