



Gramin Krishi Mausam Sewa

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

Kanpur, Uttar Pradesh



Agromet Advisory Bulletin

Date : 2025-12-12

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

Parameter	2025-12-13	2025-12-14	2025-12-15	2025-12-16	2025-12-17
Rainfall(mm)	0.0	0.0	0.0	0.0	0.0
Tmax(°C)	26.0	25.0	26.0	27.0	26.0
Tmin(°C)	10.0	11.0	11.0	12.0	11.0
RH-I(%)	84	90	90	78	74
RH-II(%)	43	47	49	43	42
Wind Speed(kmph)	5	2	3	7	10
Wind Direction(Degree)	312	63	45	305	302
Cloud Cover(Octa)	0	3	2	0	0
Warning	No Warning	No Warning	No Warning	No Warning	No Warning

Forecast Summary:

According to the weather forecast received from the Indian Meteorological Department, Light cloud cover in the first three days and clear sky weather in the remaining day but there is no possibility of rain. There is a possibility of light fog in the upper surface of the atmosphere and cold in the morning and night. The maximum temperature is between 25.0- 27.0°C, which is likely to be 1-2°C higher normal and the minimum temperature is between 10.0-12.0°C, which is likely to be 1-2°C higher normal. The maximum and minimum range of relative humidity is between 74-90 and 42-49%. Wind direction is north-west, north-east and wind speed is between 2-10.0 km/h with winds expected to be 3-4 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 light fog and cold 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 and gram and irrigate the crops and vegetables standing in the field as per requirement. Sowing of crops sown in Rabi season should be done only after seed treatment. In view of the changing weather, farmers are informed not to tie animals in open places at night.

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 sown from time to time, 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)	Within 15-20 sowing of mustard crop, weeding should be done within 10-20 centimeters of distance from plant to plant. Topdressing of the remaining quantity of nitrogen in the timely sown mustard crop should be done after the first irrigation (30-35 days after sowing) at suitable 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.
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. Late sowing of chick pea crop recommendations variety - Pusa 372, Uday, Pant G.-186 etc. For sowing of any one species of sow seeds of small seeds at 75-80 kg and for seeds of large grains at the rate of 90-100 kg seeds / hectare.

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, after 25-30 days of sowing, spray Mancozeb in 2.0 gm/Litre water after making a solution. In potato crop, after 8-10 days after sowing the first irrigation, the remaining irrigation should be done 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 Bed Preparation)	Weeding and irrigation should be done as per the requirement of the vegetables sown on time. 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. Recommend onion species - Kalyanpur Red Gol, Pusa Ratanar, Agrifound Light Red, X Kylever, Burgundy, KP, Orient, Rosie etc. for nursery of any one variety.
MANGO (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. In mango, prune and destroy branches affected by shoot gall maker and tent caterpillar. For control, spray a solution of lambdacyhalothrin at 1.5-2.0 ml/liter of water. If mango branches are suffering from dieback/gum exudation, apply 200-400 grams of copper sulfate per tree near the roots and spray foliarly with thiophanate methyl

Horticulture (Stage)	Horticulture Specific Advisory
	dissolved in 1 ml per liter of water. For bananas, apply 50-60 grams of urea and 100-125 grams of muriate of potash per plant and irrigate at 10-day intervals.

Live Stock Specific Advisory:

Live Stock	Live Stock Specific Advisory
BUFFALO	In view of the potential for weather changes, farmers are advised not to tie their animals outdoors at night. They should cover windows and doors with jute sack curtains and remove them during the day in the sun. Vaccinate animals against foot and mouth disease. Avoid tying pregnant buffaloes/cows on slopes. Feed pregnant buffaloes/cows nutritious fodder and grains, and ensure newborn calves are fed sugar candy for three days. Under the National Animal Disease Control Program, the Animal Husbandry Department is providing free vaccination against lumpy skin disease in animals. Animal farmers should take advantage of this. To prevent tick infestation, spray lime in animal enclosures to destroy tick eggs and larvae. To prevent all reproductive diseases, livestock farmers are advised to provide green fodder, straw, and mineral salts in addition to animal feed. To avail the benefit of Mobile Veterinary Unit Scheme launched by the department to provide veterinary services at the doorstep of farmers/animal herders, all farmers/animal herders can avail the benefit of the scheme by contacting the toll free helpline no.-1962.

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 light fog and cold 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 lightning.

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/>