



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



Agromet Advisory Bulletin

Date : 2025-08-19

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

Parameter	2025-08-20	2025-08-21	2025-08-22	2025-08-23	2025-08-24
Rainfall(mm)	3.0	5.0	10.0	14.0	29.0
Tmax(°C)	35.0	35.0	33.0	31.0	31.0
Tmin(°C)	27.0	27.0	27.0	27.0	26.0
RH-I(%)	88	90	92	94	96
RH-II(%)	66	64	65	70	73
Wind Speed(kmph)	11	12	10	3	3
Wind Direction(Degree)	82	81	86	174	234
Cloud Cover(Octa)	2	2	6	7	8
Warning	No Warning	No Warning	No Warning	No Warning	Very Heavy Rain

Forecast Summary:

According to the weather forecast received from the Indian Meteorological Department, due to moderate to dense cloud cover in the next five day there is a possibility of light to moderate rain with thunderstorms & lightning at local level between dated on 20 to 24 August, 2025. The maximum temperature is between 31.0- 35.0°C, which is likely to be near its normal and the minimum temperature is between 26.0-27.0°C, which is likely to be 1-2°C higher normal. The maximum and minimum range of relative humidity is between 88-96 and 64-73%. Wind direction is north-east, south-

east, south-west and wind speed is between 3.0-12.0 kmph with gusts expected to be 4-5 kmph high speed than normal.

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

According to the weather forecast received from the Indian Meteorological Department, there is a warning of light to very light rain between dated on 20-22 August, 2025 and moderate to heavy rain with strong winds and thunderstorms & lightning at the local level dated on 23 - 24 August, 2025.

Likely impacts of weather warnings on Agriculture and associated Agromet advisories

In view of the possibility of light to moderate rainfall in the coming week, farmers are advised to postpone irrigation work in standing Kharif crops and in the event of clear sky/no rain, spray weedicide, fungicides and insecticides and do weeding. Do not allow waterlogging in maize, pulses and oilseed crops and make proper arrangement for water drainage. Do not tie animals in open places during rainy season nor leave them outside for grazing.

General Advisory:

Make proper arrangement for drainage of excess rainwater. Make the bunds of paddy fields strong so that rainwater stays in the fields. Do not let animals drink stagnant rainwater. During the rainy season, the possibility of lice infestation in animals increases. To prevent this, spray lime in the animal shed so that the eggs and larvae of lice are destroyed. During rainy season, take a torch while going out of the house at night and to avoid snakes, scorpions etc., close the walls and holes of the house and spray a little kerosene or phenyl, the smell of which drives the snakes away.

SMS Advisory:

Postpone irrigation work. Never take shelter under trees and electric poles during rain, in such a situation there is a high possibility of electric current flowing in the poles and lightning striking

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
RICE (Tillering)	If Khaira disease is seen in paddy, then for its control, spray a solution of 20-25 kg Zinc sulphate and 2.5 kg slaked lime in 800 liters of water. If infestation of root borer insect is seen in paddy crop, spray Cartap Hydrochloride 4% granular chemical at the rate of 20 to 25 kg per hectare in three to four centimeters of stagnant water. If infestation of hopper insect is seen in paddy crop, then for its control, spray Imidacloprid 17.8 % SL 125 ml or Chlorpyrifos 20% EC at the rate of 1.50 liter per hectare by mixing it in 500-600 liters of water when sky is clear
MAIZE (Tasseling)	In maize crop, there is a possibility of outbreak of stem borer / shoot fly pest, so for its prevention, Emamectin Benzoate 5% Sg 200 g / ha at 500-600 liters of water solution Sprinkle on clean weather.
SESAME (GINGELLY/TIL) (Vegetative)	There is a possibility of outbreak of leaf and fruit bollworm in sesame crop, so for its prevention, Emamectin Benzoate 5 % SG at the rate of 200 g / hectare 500-600 liters make a solution in water and spray on clear weather.
GROUNDNUT (Vegetative)	Groundnut crop is likely to show white gidar / termite pest infestation, hence fipronil 0.3% GR at the rate of 20 kg / ha topdressing of clear sky.
BLACK GRAM (Vegetative)	For the control of weeds in the black gram/green gram crop, Imazethapyr 10 SL at the rate of 1.0 liter / hectare, spray the solution in 500-600 liters of water after 15-20 days of sowing and spray it on clear sky.
SUGARCANE (Vegetative)	If the length of sugarcane has become five feet, then do the first tying at a height of two and half feet. For the first tying, tie two bunches of sugarcane in a line together with the dry leaves below. Destroy the plants affected by red rot disease by removing them along with the roots and spray the plants with a solution of thiophanate methyl 0.2 percent. Infestation of mite insect is being seen in sugarcane, for its control, mix 750 ml of Profenophos 40 percent + Cyper 4 percent insecticide in 625 liters of water and spray at the rate of per hectare.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
CABBAGE (Transplanting)	Transplanting of saplings planted in kharif crops like brinjal, chilli, tomato and early cauliflower. If there is a possibility of water stagnation in the field, then plant the early cauliflower, brinjal, tomato, chilli etc. on the ridges. If there is an outbreak of fruit borer / leaf borer in vegetable crops, make a

Horticulture (Stage)	Horticulture Specific Advisory
	solution of neem oil in 1.5 ml / liter of water to control it and spray it 3-4 times after clearing the sky at intervals of 6-10 days.
MANGO (Transplanting)	Plant new plants in pits already filled with mango, guava, amla, lemon etc. Plant new plants in place of the destroyed plants in the new bag. 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% carbaryl 1.5% dust on the clear sky.

Live Stock Specific Advisory:

Live Stock	Live Stock Specific Advisory
BUFFALO	Farmers are advised to During the rainy season, the possibility of lice infestation in animals increases. To prevent this, spray lime in the animal shed so that the eggs and larvae of lice are destroyed. Do not tie animals in open spaces/under trees during rains. Tie animals in the open only when the sky is clear at night. Tie animals in a shady place during the day. Do not feed the stagnant water of the ponds or other places, due to which the animals are prone to liver flu and stomach worms. The best time to give antithetical drugs for the prevention of insects in the stomach of animals. Get the animals vaccinated with throat and lenthia fever. Give sufficient amount of grains to animals along with green and dry fodder. Make sure to give clean and fresh water to animals 3-4 times a day. Do not tie pregnant animals at a sloping place. This is the right time to give deworming medicine to animals to prevent stomach worms.

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. This is not the right time to raise new chicks for eggs but it is a suitable time for broiler chickens. Add supplementary food, vitamins and energy food material to the chickens' diet and also give calcium material to the chickens. Chlorination of water must be done. Give deworming medicine to kill the worms in the stomach of the chickens. Keep the chicken house dry and keep turning the bedding. If there is excess moisture in the chicken house, turn on the fan.

Likely impacts of weather warnings (General)

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Impact based advisories (General)

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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>