



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



Agromet Advisory Bulletin

Date : 2025-09-16

Weather Forecast of District HATHRAS (Uttar Pradesh) Issued On : 2025-09-16 (Valid Till 08:30 IST of the next 5 days)

Parameter	2025-09-17	2025-09-18	2025-09-19	2025-09-20	2025-09-21
Rainfall(mm)	0.0	4.0	3.0	0.0	0.0
Tmax(°C)	35.0	33.0	33.0	34.0	35.0
Tmin(°C)	27.0	26.0	26.0	26.0	27.0
RH-I(%)	85	87	87	86	83
RH-II(%)	52	56	56	52	48
Wind Speed(kmph)	5	5	5	1	1
Wind Direction(Degree)	63	82	82	146	90
Cloud Cover(Octa)	6	3	2	2	2
Warning	No Warning	No Warning	No Warning	No Warning	No Warning

Forecast Summary:

According to the weather forecast received from the Indian Meteorological Department, due to light to moderate 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 18 and 19 September, 2025. The maximum temperature is between 33.0- 35.0°C, which is likely to be 1-2°C higher 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 83-87 and 48-56%. Wind direction is north-east, south-east, and wind speed is between 1.0-5.0 km/h with winds expected to be 2-3 Km/h 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 moderate rainfall with thunderstorms and lightning between dated on 18 and 19 September 2025.

Likely impacts of weather warnings on Agriculture and associated Agromet advisories

In view of the possibility of light to moderate rain in the coming week, farmers are advised to postpone irrigation work in standing Kharif crops and in case of clear sky, spray pesticides and insecticides and do weeding. Do not allow waterlogging in maize, pulses and oilseed crops, drain out the excess rain water from the field. Do not tie animals in open places nor leave them outside for grazing and do not allow animals to go to waterlogged areas.

General Advisory:

Postpone the work of plucking/cutting/threshing of the mature corn cobs and sowing of rapeseed and store the harvested crops in a safe place by covering them with polythene sheets. Prevent animals from going to places with flowing water/waterlogging. Do not let animals drink stagnant rainwater. In the rainy season, the possibility of infection of lice/mites in animals increases. To prevent this, spray lime in

the animal shed so that the eggs and larvae of lice/mites are destroyed. In the rainy season, take a torch when going out of the house at night and close the walls and holes of the house to avoid snakes, scorpions etc. and spray a little kerosene or phenyl, the smell of which drives the snakes away.

SMS Advisory:

Postpone the work of harvesting/threshing of mature crops and sowing of Toria and preserve the harvested crops by covering them with polythene sheets at a safe place.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
RICE (Flowering)	The rice crop is in the stage of emergence of ears and flowering, which is sensitive to moisture deficiency, so in the absence of rain, maintain proper moisture by doing light irrigation as per requirement. If infestation of leaf roller, stem borer, green hopper and hispa insect is seen in the rice crop, then for its control, spray 150 to 200 grams of Cartap Hydrochloride (50 SP) by dissolving it in 200 liters of water per acre. For the control of Gandhi Bug and Armyworm, spray 125 ml of Imidacloprid 17.8% SL or 2.5 litre of Azadiractin 0.15% EC per hectare by dissolving it in 500-600 litres of water in clear weather.
MAIZE (Hard Dough)	The maize crop is in the milk stage/grain filling stage which is sensitive to lack of moisture, so in the absence of rain, maintain proper moisture by doing light irrigation as per requirement. Harvest the ripe cobs of the maize crop sown on time when 75% of the cobs appear golden in color, dry them well in the sun and separate the grains from the cobs by hand or machine.
SESAME (GINGELLY/TIL) (Pod Development)	There is a possibility of showing an outbreak of leaf and pod larva pest in sesame crop, so for its prevention, use Oxydimethane-methyl 50% EC. Spray the solution in 500-600 liters of water at the rate of 1.0 liter/ha in clear weather.
GROUNDNUT (Pod Development)	During the formation of pegs in groundnut crops and during the formation of beans, maintain sufficient moisture in the fields by doing light irrigation. 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.
GREEN GRAM (Flowering)	There is a possibility of infestation of pod borer larvae in black gram /green gram crop, hence for its control, spray 5% Niboli or Quinalphos 25 EC at the rate of 1.25 liter /hectare by mixing it in 500-600 liters of water . There is a possibility of an outbreak of yellow mosaic disease in the crop of black gram/green gram, so for its prevention, dimethoate 30 EC is used. 1.0 liter/ha or Oxidemetan-Methyl 25 EC. Spray the solution in 500-600 liters of water at the rate of 1.0 liter/ha in clear weather.
RAPSEED (Sowing)	For sowing any one of the recommended varieties of rapeseed - Ta-36, Ta-9 Bhavani, PT-303, PT-30 etc., arrangement of fertilizer and seeds at the rate of 3-4 kg seeds/hectare do the sowing work .
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. If symptoms of bacterial rot disease are seen in sugarcane crop, cut and destroy the infected plant and for its control, spray 0.01% Streptomycin when weather is favorable.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
POTATO (Sowing)	Start sowing of early varieties of potato like Kufri Chandra Mukhi and Kufri Ashoka. Take out the potato seeds from cold storage 7-10 days before sowing. If sprouts appear in the seeds stored in cold storage, then sort them and separate them. If the potato seeds have not been treated before storing them in the cold storage, then immediately after taking out the potatoes from the cold storage and sorting them, treat the potato tubers with 3 percent boric acid solution for 30 minutes and dry them in a shady place.

Horticulture (Stage)	Horticulture Specific Advisory
CABBAGE (Transplanting)	Sow radish, carrot, beetroot, turnip and leafy vegetables on the ridges. Transplanting of saplings planted 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 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. 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)

According to the weather forecast received from the Indian Meteorological Department, there is a warning of light to moderate rainfall with thunderstorms and lightning between dated on 17 and 20 September 2025.

Impact based advisories (General)

In view of the possibility of light to moderate rain in the coming week, farmers are advised to postpone irrigation work in standing Kharif crops and in case of clear sky, spray pesticides and insecticides and do weeding. Do not allow waterlogging in maize, pulses and oilseed crops, drain out the excess rain water from the field. Do not tie animals in open places nor leave them outside for grazing and do not allow animals to go to waterlogged areas.

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>