



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



Agromet Advisory Bulletin

Date : 2025-04-25

Weather Forecast of District HATHRAS (Uttar Pradesh) Issued On : 2025-04-25 (Valid Till 08:30 IST of the next 5 days)

Parameter	2025-04-26	2025-04-27	2025-04-28	2025-04-29	2025-04-30
Rainfall(mm)	0.0	0.0	0.0	0.0	0.0
Tmax(°C)	44.0	44.0	42.0	42.0	41.0
Tmin(°C)	26.0	26.0	26.0	25.0	26.0
RH-I(%)	23	27	30	38	47
RH-II(%)	8	8	11	11	15
Wind Speed(kmph)	5	2	4	10	13
Wind Direction(Degree)	283	338	73	112	106
Cloud Cover(Octa)	2	5	2	1	1
Warning	Heat Wave	Heat Wave	No Warning	No Warning	No Warning

Forecast Summary:

According to the weather forecast received from the Indian Meteorological Department, light to moderate cloud cover in the next five days but there is no possibility of rain. The maximum temperature is between 41.0- 44.0°C, which is likely to be 4-5°C higher normal and the minimum temperature is between 25.0-26.0°C, which is likely to be 2-3°C higher normal. The maximum and minimum range of relative humidity is between 23-47 and 8-15%. Wind direction is north-west, south-east and wind speed is between 2.0-15.0 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 heat wave due to clear skies in the first two days.

Likely impacts of weather warnings on Agriculture and associated Agromet advisories

In view of the weather conditions, farmers are advised to harvest and thresh the standing crops in the fields in the morning/evening to protect them from the heat wave. Do not do any work on the fields between 11 am and 4 pm and do light irrigation in the standing crops in the evening at an interval of 7-10 days. Do not leave the animals outside for grazing between 11 am and 4 pm. Bathe the animals in the morning and evening. In view of the severe heat, farmers should keep drinking water every now and then while working in the fields. Do not go out of the house unnecessarily during the afternoon. If there is any important work, then go out only after tying a towel on the head.

General Advisory:

Farmers are advised to maintain proper moisture in standing crops by doing light irrigation. While working in the field, tie a towel on the head and keep a water bottle with you. Keep the threshed crop grains in a safe place. In view of the severe heat, give water to the animals 3-4 times a day and bathe them in the morning and evening. Use separate equipment for insecticides, fungicides and weedicide

chemicals or wash the equipment with clean water and do not spray insecticides, fungicides and weedicide chemicals while standing in the opposite direction of the wind. If possible, spray in the evening, after spraying, wash hands thoroughly with soap or hand wash before eating or drinking and wash clothes and take a bath.

SMS Advisory:

Farmers are advised not to step out of the house unnecessarily in the afternoon to avoid heat wave. Bath the animals in the morning and evening; keep it in a shady place, give water 3-4 times.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
WHEAT (Drying / Threshing)	Try to complete the harvesting and threshing of mature wheat crops soon. Bundles must be tied after harvesting the wheat crop so that the lock cannot be and at night when the wind is calm.
MAIZE (Vegetative)	Keep the maize crop free from weeds and maintain proper moisture by irrigating lightly at an interval of 8-10 days as per requirement. For prevention of stem borer pest in maize crop, spray Emamectin Benzoate 5% SG 200 gm per acre or Chlorantraniliprole 18.5% SC 60 ml per acre by dissolving it in 500-700 liters of water. Keep Zaid black gram/green gram crops free from weeds and maintain proper moisture by giving light irrigation at intervals of 8 -10 days as per requirement. Thrips/green leaf pest is likely to be seen in black gram crop, so for its prevention, spray Oxidemetan-methyl 25% EC or Dimethoate 30% EC at the rate of 1.0 liter/ha by making a solution in 600-700 liters of water.
BLACK GRAM (Vegetative)	Keep the maize crop free from weeds and maintain proper moisture by irrigating lightly at an interval of 8-10 days as per requirement. For prevention of stem borer pest in maize crop, spray Emamectin Benzoate 5% SG 200 gm per acre or Chlorantraniliprole 18.5% SC 60 ml per acre by dissolving it in 500-700 liters of water. Keep Zaid black gram/green gram crops free from weeds and maintain proper moisture by giving light irrigation at intervals of 8 -10 days as per requirement. Thrips/green leaf pest is likely to be seen in black gram crop, so for its prevention, spray Oxidemetan-methyl 25% EC or Dimethoate 30% EC at the rate of 1.0 liter/ha by making a solution in 600-700 liters of water.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
ONION (Physiological Maturity)	The best time to harvest onions is one week after 50% of the leaves fall. Thrips pest is likely to appear in the onion crop, so for its prevention, use Methyl-O-Dimethan 25% EC.at the rate of 1.5 liters / ha spray the solution in 600-700 liters of water. Irrigation should be done by weeding and hoeing the vegetables planted in the summer season, tomato, brinjal and chilli. After harvesting the ready crops of pumpkin, gourd, taroi, bitter gourd, cucumber, cucumber, watermelon, muskmelon etc. sown in summer, send them to the market.
MANGO (Fruit formation)	Do irrigation work in orchards of mango, guava, lemon plum, grapes, papaya and litchi etc. Irrigate the orchards to prevent fall of mango fruit or apply 4.5 SL of of 20 ml alpha naphthalene acetic acid make a solution per liter of water and spray it. To prevent cuckoo disorder or internal rot disease in mango pods, make borax 0.8% solution in 0.8 g / liter water and spray 2 at 10 days interval.

Live Stock Specific Advisory:

Live Stock	Live Stock Specific Advisory
BUFFALO	In view of the prevailing weather, farmers are advised to Tie the animals in an open place at night. tie the animals in a shaded place or in the shade of a tree during the day. Feed animals with green fodder and easily digestible mineral

Live Stock	Live Stock Specific Advisory
	mixture and salt. The animals must be given clean and cold water 3-4 times a day. It is the appropriate time to give anthelmintic medicine to the animals for the prevention of worms in the stomach. FMD for the prevention of foot-mouth disease to animal's vaccine and VQ for prevention of Lagadia fever. Get vaccinated with the vaccine. Do not leave the animals outside to graze between 11 am to 4 pm. Bathe the animals in the morning and evening.

Poultry Specific Advisory:

Poultry	Poultry Specific Advisory
HEN	Farmers are advised to In view of the severe heat, put jute curtains in the poultry house and soak the curtains with cold water during the afternoon, make arrangements for fans and ventilation. add dietary supplements; vitamins and energy feed ingredients to the hens as well as add calcium content to the hen. Give medicine for the prevention of worms in the stomach of hen (Divmrig). To protect the chickens from heat, arrange curtains, fans and ventilation in the hen house. To reduce the temperature of the hen house, cover the roof of the shed with straw.

Likely impacts of weather warnings (General)

According to the weather forecast received from the Indian Meteorological Department, there is a warning of heat wave due to clear skies in the first two days.

Impact based advisories (General)

In view of the weather conditions, farmers are advised to harvest and thresh the standing crops in the fields in the morning/evening to protect them from the heat wave. Do not do any work on the fields between 11 am and 4 pm and do light irrigation in the standing crops in the evening at an interval of 7-10 days. Do not leave the animals outside for grazing between 11 am and 4 pm. Bathe the animals in the morning and evening. In view of the severe heat, farmers should keep drinking water every now and then while working in the fields. Do not go out of the house unnecessarily during the afternoon. If there is any important work, then go out only after tying a towel on the head.

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>