



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



Agromet Advisory Bulletin

Date : 2025-08-05

Weather Forecast of District HATHRAS (Uttar Pradesh) Issued On : 2025-08-05 (Valid Till 08:30 IST of the next 5 days)

Parameter	2025-08-06	2025-08-07	2025-08-08	2025-08-09	2025-08-10
Rainfall(mm)	13.0	6.0	3.0	10.0	7.0
Tmax(°C)	32.0	31.0	35.0	34.0	32.0
Tmin(°C)	27.0	26.0	27.0	27.0	27.0
RH-I(%)	92	93	88	88	90
RH-II(%)	73	74	58	59	69
Wind Speed(kmph)	8	4	10	5	2
Wind Direction(Degree)	243	228	255	261	256
Cloud Cover(Octa)	7	7	4	7	6
Warning	Heavy Rain; Thunderstorms & Lightning, Squall etc	Heavy Rain; Thunderstorms & Lightning, Squall etc	No Warning	No Warning	No Warning

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 06 to 10 August, 2025. The maximum temperature is between 31.0- 35.0°C, which is likely to be 1-2°C lower 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 88-92 and 58-74%. Wind direction is south-west and wind speed is between 2.0-10.0 kmph with gusts expected to be 3-4 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 moderate rain with strong winds and thunderstorms & lightning at the local level between 06 to 10 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, weedicide, pesticide and insecticide spraying in standing Kharif crops. In case of no rainfall, sowing of Kharif crops should be done at appropriate moisture. Do not tie animals in open spaces during the rainy season and do not leave them outside for grazing.

General Advisory:

In case of no rain, try to complete the sowing of Black gram, green gram, sorghum and pearl millet etc. as soon as possible. Make the bunds of paddy fields strong so that rainwater stays in the fields. Do not let animals drink stagnant rainwater. For insecticides, fungicides and weedicide chemicals, use only clean water to wash equipment and do not spray insecticides, fungicides and weedicides while standing in the opposite direction of the wind. If possible, hands should be washed thoroughly with soap after spraying, before eating and after washing clothes.

SMS Advisory:

Make proper arrangement for drainage of excess rain water from standing Kharif crops and in case of no rain, complete the sowing of Urd, Moong, Jowar etc. at the earliest at appropriate moisture.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
RICE (Tillering)	For controlling broad and narrow leaf weeds in paddy crop, use Bispyribac Sodium 10% SC at the rate of 0.20 litre per hectare, 15-20 days after transplanting, by dissolving it in 500-600 litres of water at appropriate moisture and spray when sky is clear. If Khaira disease is seen in paddy, then spray 20-25 kg zinc sulphate and 2.5 kg lime solution in 800 liters of water for its control. Topdressing of urea @ 50 to 60 kg per hectare is done 25 to 30 days after transplanting of paddy. Keep in mind that weeds should be removed before top dressing and while topdressing, there should not be more than 2 to 3 cm of water in the field. If infestation of root worm pest 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 cm stagnant water.
MAIZE (Vegetative)	In maize crop, second weeding-hoeing after 35-40 days. In maize crop, second top dressing after 40 to 45 days after sowing, top dressing of urea at the rate of 60 to 70 kg per hectare should be clear sky. 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 or dimethoate 30% EC 1.0 liter / ha at 600-700 liters of water solution Sprinkle on clean weather.
SESAME (GINGELLY/TIL) (Vegetative)	In case of no rain, the first weeding of sesame crop should be done 15-20 days after sowing when the sky is clear.
GROUNDNUT (Vegetative)	In case of no rain, after weeding the peanut crops 20 to 25 days after sowing, add 100 kg gypsum per hectare and then do light hoeing and cover the plants with soil.
BLACK GRAM (Sowing)	In case of no rain, does the sowing work. Recommendation of the black gram species sown in Kharif - Narendra Urd-1, Azad Urd-2, Azad Urd-3, Shekhar-1, Shekhar-2, Shekhar-3, Pant U-30 etc. for sowing of any species Sowing should be started by arranging manure and seeds at the rate of 12 -15 kg seeds / hectare.
GREEN GRAM (Sowing)	In case of no rain, does the sowing work. The recommended varieties of green gram sown in Kharif - Narendra Moong-1, Pant Moong-1, Pant Moong-3, Pant Moong-4, Samrat, Malaviya Janchetna, Malaviya Janapriya, Malaviya Jagriti Shweta, Swati, Virat and IPM -2-14 etc For the sowing of any one variety. Make the sowing work at the rate of 12 -15 kg seed / hectare .
SUGARCANE (Vegetative)	Properly manage the drainage of excess rainwater from the field. For controlling white grit, use light traps or spray insecticide on the plants. To prevent the autumn sugarcane from falling, tying up must be done. If the length of sugarcane has become five feet, then do the first tying at a height of two and a 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 pulling them out along with the roots and spray the plants with a solution of 0.2 percent thiophanate methyl.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
CABBAGE (Transplanting)	In case of no rain, do sowing/irrigation work. Raise nursery of crops such as brinjal, chilli, tomato and early cauliflower planted in kharif, along with planting of brinjal / chilli seedlings. If there is a possibility of water stagnation in the field, then plant the early cauliflower, brinjal, tomato, chilli etc. on the ridges. For prevention of fruit borer/leaf borer pest in vegetable crops, prepare a solution of 1.5-2.0 ml/liter of water with neem oil and spray it 3-4 times at an interval of 8-10 days. Weeding-hoeing should be done in standing vegetable crops when sky is clear.
MANGO (Transplanting)	Perform the planting of new plants in the pits already filled with mangoes. For prevention of mango leaf moth, apply 2% carbaryl 1.5% dust on the clear sky. After weeding the banana/papaya garden, put 25-30 cm high soil around the stem and do the work of standing in banana plants.

Live Stock Specific Advisory:

Live Stock	Live Stock Specific Advisory
BUFFALO	Farmers are advised to spray lime in the cattle shed to prevent external parasites. 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. Vaccinate animals with FMD vaccine to prevent foot and mouth disease and VQ vaccine to prevent dengue 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 add dietary supplements; vitamins and energy feed ingredients to the hens as well as add calcium content to the hen. Keep the chicken coop clean and dry to prevent diseases. Check the health of the chickens regularly and separate sick chickens from the flock. To protect the chickens from pests, use insecticides in their coop.

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 rain with strong winds and thunderstorms & lightning at the local level between 06 to 10 August, 2025 .

Impact based advisories (General)

In view of the possibility of light to moderate rainfall in the coming week, farmers are advised to postpone irrigation, weedicide, pesticide and insecticide spraying in standing Kharif crops. In case of no rainfall, sowing of Kharif crops should be done at appropriate moisture. Do not tie animals in open spaces during the rainy season and do not leave them outside for grazing.

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/>

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Damini MobileApp link : https://play.google.com/store/apps/details