



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



Agromet Advisory Bulletin

Date : 01-08-2025

Weather Forecast of HATHRAS(Uttar Pradesh) Issued On : 2025-08-01(Valid Till 08:30 IST of the next 5 days)

Parameter	2025-08-02	2025-08-03	2025-08-04	2025-08-05	2025-08-06
Rainfall(mm)	5.0	16.0	28.0	28.0	23.0
Tmax(°C)	33.0	34.0	31.0	30.0	30.0
Tmin(°C)	26.0	27.0	26.0	25.0	25.0
RH-I(%)	90	84	94	98	97
RH-II(%)	58	53	70	72	77
Wind Speed(kmph)	7	13	11	7	2
Wind Direction(Degree)	360	259	262	252	225
Cloud cover(octa)	5	7	8	8	8
Warning	Thunderstorms & Lightning, Squall etc	No Warning	Heavy Rain; Thunderstorms & Lightning, Squall etc	Heavy Rain; Thunderstorms & Lightning, Squall etc	Heavy Rain; Thunderstorms & Lightning, Squall etc

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 02-06 August, 2025. The maximum temperature is between 30.0- 33.0°C, which is likely to be 1-2°C lower normal and the minimum temperature is between 25.0-27.0°C, which is likely to be 1-2°C higher normal. The maximum and minimum range of relative humidity is between 84-98 and 53-77%. Wind direction is north-west, south-west and wind speed is between 2.0-13.0 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 moderate rain with strong winds and thunderstorms & lightning at the local level between 02-06 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. Sowing of Kharif crops should be done in the absence of rain. 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, sow urad, moong, jowar and bajra etc. 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:

Farmers are informed to postpone irrigation work and in the event of no rain, sow urad, moong, jowar and bajra etc. only at appropriate moisture.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
RICE (Tillering)	In case of no rain, does irrigation work in paddy crop. For control of broad and narrow leaf weeds in paddy crop, apply Bispyribac Sodium 10%SC @ 0.20 liters per hectare after 15-20 days of transplanting spray it with 500-600 liters of water at appropriate humidity. 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, first top dressing should be done 30 to 35 days after sowing and 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. For weed control in standing sugarcane crop, do weeding and hoeing. For controlling top borer insect, mix 150-200 ml of insecticide Chlorantraniliprole 18.5 SC in 400-500 liters of water and spray it at the rate of per acre.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
CABBAGE (Nursery/ seedling)	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

Horticulture (Stage)	Horticulture Specific Advisory
	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 02-06 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 work. Sowing of Kharif crops should be done in the absence of rain. 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