




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



## **Agromet Advisory Bulletin**

Date : 2025-07-18

Weather Forecast of District HATHRAS (Uttar Pradesh) Issued On : 2025-07-18 (Valid Till 08:30 IST of the next 5 days)

Parameter	2025-07-19	2025-07-20	2025-07-21	2025-07-22	2025-07-23
Rainfall(mm)	4.0	0.0	9.0	15.0	8.0
Tmax(°C)	32.0	35.0	36.0	31.0	31.0
Tmin(°C)	27.0	27.0	28.0	27.0	27.0
RH-I(%)	91	90	90	94	89
RH-II(%)	67	62	58	80	69
Wind Speed(kmph)	13	4	5	5	4
Wind Direction(Degree)	88	171	222	189	285
Cloud Cover(Octa)	4	4	8	8	7
Warning	Thunderstorms & Lightning, Squall etc; Strong Surface Winds	 Unknown	Thunderstorms & Lightning, Squall etc	Thunderstorms & Lightning, Squall etc	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 rain with thunderstorms & lightning at local level between dated on 19 to 23 July, 2025. The maximum temperature is between 31.0- 36.0°C, which is likely to be near its normal and the minimum temperature is between 27.0- 28.0°C, which is likely to be near its normal. The maximum and minimum range of relative humidity is between 89-94 and 58-80%. Wind direction is north-east, south-east, south-west and wind speed is between 4.0-13.0 kmph with gusts expected to be 5-6 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 19-23 July, 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 try to complete the transplantation of ready paddy saplings as soon as possible. Do not irrigate the remaining crops except paddy crop. Sowing of Kharif crops should be done in the absence of rainfall. Do not tie animals in open places during the rainy season and do not leave them outside for grazing.

### General Advisory:

Complete the transplantation of ready paddy seedlings soon and in case of no rain, sow groundnut, sorghum, sesame and pigeon pea etc. Strengthen the bunds of paddy fields so that rainwater remains in the fields. Do not allow animals to drink stagnant rainwater. For insecticides, fungicides and weedicides 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 advised to complete transplanting of paddy saplings soon and in case of no rain, sow peanuts, sorghum, sesame, black gram and pigeon pea etc. at appropriate moisture level.

#### Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
RICE (Transplanting)	Complete the transplantation of ready paddy seedlings soon. Strengthen the bunds of the fields for transplanting paddy saplings. So that rainwater remains in the fields. For control of broad and narrow leaf weeds in paddy crop, anilophos 30% EC is applied within 2-3 days of transplanting. Or prittlechlor at the rate of 1.25 liters / ha and make a solution in 500 -600 liters of water and spray 2-3 inches of water. After 15 - 20 days of transplanting of paddy, apply bispyribac sodium 10 SC at the rate of 0.20 liters/ha in 500-600 liters of water in proper moisture condition. If Khaira disease is visible in paddy, then to control it, make a solution of 20-25 kg zinc sulphate and 2.5 kg lime in 800 liters of water and spray.
MAIZE (Vegetative )	In the event of no rain, do weeding-hoeing work and make proper arrangements for excessive rain water drainage. After weeding in maize crop, do top dressing of urea when the sky is clear. There is a possibility of outbreak of stem borer and leaf wrapper in maize crop, so for its prevention, solution of Emamectin Benzoate 5% SG at the rate of 200 g/ha or Dimethoate 30% EC 1.0 liter/ha in 600-700 liters of water. Make and spray on clear weather.
SESAME (GINGELLY/TIL) (Sowing)	Make proper arrangements for excessive rainwater drainage and postpone sowing. Sowing of any one of the recommended varieties of sesame crop - Type-4, 12, 13, Type-78, Shekhar, Pragati, Tarun, RT-351 and RT-346 etc. should be done when the sky is clear.
GROUNDNUT (Sowing)	Make proper arrangements for excessive rainwater drainage and postpone sowing. Sow the recommended hybrid varieties of Kharif Groundnut - Chitra, Kaushal, Prakash, Amber, Utkarsh, Divya, Kaushal-bunch variety - Chandra, TA-28, 64 M-13 etc. and for sowing peanuts, sow at the rate of 70-80 kg / hectare when the sky is clear.
BLACK GRAM (Sowing)	Make proper arrangements for excessive rainwater drainage and postpone sowing. Recommended species of black gram to be sown in Kharif - Narendra urd-1, Azad urd-2, Azad urd-3, Shekhar-1, Shekhar-2, Shekhar-3, Pant U-30 etc. For this, by arranging fertilizers and seeds at the rate of 12 -15 kg seed / hectare, sowing in case of no rain.
SUGARCANE (Vegetative )	Properly manage the drainage of excess rainwater from the field. Cover the sugarcane fields where plants have emerged with soil. 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
CAULIFLOWER (Nursery/ seedling)	Make proper arrangements for excessive rainwater drainage and postpone sowing/irrigation. Do it in case of no rain. Plant nursery of crops to be planted in Kharif like brinjal, chilli, tomato and early cauliflower etc., as well as transplant ready seedlings of brinjal/chilli. If there is a possibility of water

Horticulture (Stage)	Horticulture Specific Advisory
	stagnation in the field, then transplant early cauliflower, brinjal, tomato, chilli etc. on the bunds.
MANGO (Transplanting)	For filling the pits dug in the month of May for planting fruit orchards, mix rotten manure of cow dung in the upper half of the soil and fill it up to 15 to 20 cm above the ground level. To protect guava from fruit flies, hang 8-10 traps per hectare using methyl eugenol and Q lure traps tied to branches at a height of 6 to 8 feet. Spray 5% neem extract dissolved in one liter of water at an interval of 10 to 15 days. Change the lure at an interval of 20-25 days.

#### 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 19-23 July, 2025 .

#### Impact based advisories (General)

In view of the possibility of light to moderate rainfall in the coming week, farmers are advised to try to complete the transplantation of ready paddy saplings as soon as possible. Do not irrigate the remaining crops except paddy crop. Sowing of Kharif crops should be done in the absence of rainfall. Do not tie animals in open places 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/>

Meghdoot MobileApp link: <https://play.google.com/store/apps/details>

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