



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



Agromet Advisory Bulletin

Date : 2025-07-15

Weather Forecast of District HATHRAS (Uttar Pradesh) Issued On : 2025-07-15 (Valid Till 08:30 IST of the next 5 days)

Parameter	2025-07-16	2025-07-17	2025-07-18	2025-07-19	2025-07-20
Rainfall(mm)	5.0	11.0	23.0	8.0	1.0
Tmax(°C)	35.0	34.0	32.0	34.0	36.0
Tmin(°C)	26.0	26.0	26.0	26.0	27.0
RH-I(%)	87	89	91	88	83
RH-II(%)	56	53	67	61	55
Wind Speed(kmph)	10	5	11	4	3
Wind Direction(Degree)	141	159	79	125	346
Cloud Cover(Octa)	7	8	8	6	5
Warning	No Warning	No Warning	No Warning	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 to moderate rain with thunderstorms & lightning at local level between dated on 12 to 16 July, 2025. The maximum temperature is between 32.0- 36.0°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 near its normal. The maximum and minimum range of relative humidity is between 83-91 and 53-67%. Wind direction is south-east, north-west and wind speed is between 3.0-11.0 kmph with gusts expected to be 2-3 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 16-20 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. 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 complete transplantation of ready paddy saplings at the earliest and in case of no rain, sow groundnut, sorghum, sesame, black gram and pigeon pea etc.

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 (Ear Emergence)	In the event of no rain, do weeding-hoeing work and make proper arrangements for excessive rain water drainage. In the maize crop sown from time to time, do first weeding - hoeing after 15-20 days.
SESAME (GINGELLY/TIL) (Sowing)	Make proper arrangements for drainage of excess rainwater. 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 drainage of excess rainwater. 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)	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 Bed Preparation)	This is the suitable time for nursery of vegetables sown in Kharif like brinjal, chilli, early cauliflower and sowing of ladyfinger, cowpea, pumpkin, bottle gourd, ridge gourd, bitter gourd, cucumber etc. For controlling stem/fruit/leaf borer insects in vegetable crops, mix 1.5-2.0 ml of Neem oil in/liter of water and spray 3-4 times at an interval of 8-10 days. For controlling green hopper and white fly insects in cucurbitaceous crops, spray 1.0 ml of Imidacloprid 30.5 percent by dissolving the chemical in one liter of water and to protect from fruit fly, use Q Lure pheromone trap at the rate of 8-10 traps per hectare.
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

Horticulture (Stage)	Horticulture Specific Advisory
	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. Give medicine for the prevention of worms in the stomach of hen (Divmirg).

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 16-20 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 lightning.

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>