



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



Agromet Advisory Bulletin

Date : 2025-06-13

Weather Forecast of District HATHRAS (Uttar Pradesh) Issued On : 2025-06-13 (Valid Till 08:30 IST of the next 5 days)

Parameter	2025-06-14	2025-06-15	2025-06-16	2025-06-17	2025-06-18
Rainfall(mm)	1.0	1.0	0.0	0.0	1.0
Tmax(°C)	44.0	42.0	44.0	42.0	42.0
Tmin(°C)	29.0	31.0	30.0	30.0	29.0
RH-I(%)	65	64	58	55	66
RH-II(%)	38	48	34	39	39
Wind Speed(kmph)	6	13	3	5	5
Wind Direction(Degree)	18	108	83	72	67
Cloud Cover(Octa)	2	3	3	4	4
Warning	NA	NA	NA	NA	NA

Forecast Summary:

According to the weather forecast received from the Indian Meteorological Department, due to light to moderate cloud cover in the next five day there is a possibility of light rain with thunderstorms & lightning, strong winds at local level between dated on 14, 15 and 18 June, 2025. The maximum temperature is between 42.0- 44.0°C, which is likely to be 3-4°C higher normal and the minimum temperature is between 29.0-31.0°C, which is likely to be 1-2°C higher normal. The maximum and minimum range of relative humidity is between 55-66and 34-48%. Wind direction is north-east, south-east and wind speed is between 3.0-13.0 kmph with gusts expected to be 6-8 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 on light rain, thunderstorms & lightning, strong winds at a local level between dated on 14-18 June 2025.

Likely impacts of weather warnings on Agriculture and associated Agromet advisories

In view of the possibility of light rain in upcoming days, farmers are advised to conserve the grains by harvesting and threshing the mature Zaid crops and do not do irrigation work in the morning and afternoon. Do not do any work on the fields between 11 am to 4 pm and do light irrigation in standing crops in the evening at an interval of 7-8 days in case of no rain. Do not leave the animals outside for grazing between 11 am to 4 pm. Bathe the animals in the morning and evening. Do not go out of the house unnecessarily during the afternoon. If there is any important work, then go out of the house only after tying a towel on the head.

General Advisory:

In view of the possibility of light rain and thunderstorms, farmers are advised to complete the harvesting and threshing of the ripe zaid crops as soon as possible and conserve the grains. Spray insecticides, fungicides and weedicides only when the wind is calm/the sky is clear and do not spray insecticides, pesticides and weedicides while standing in the opposite direction of the wind. If possible, hands should be washed thoroughly with soap or hand wash after spraying, before eating and after washing clothes.

SMS Advisory:

In view of the possibility of light rain and thunderstorms, farmers are advised to complete the harvesting and threshing of the ripe Zaid crops as soon as possible and conserve the grains.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
RICE (Nursery/seedling)	After preparing the field, plant paddy nursery, as well as the advanced varieties Narendra-359, Narendra paddy-2026, Narendra paddy-2064, Narendra paddy-2065, Narendra paddy-3112, Sarju-52, Sita etc. and hybrid varieties- Pro .Agro-6444 (2001)Arise , Prof.Agro-6201 (2001)Arise, PHB-71, Pioneer-27 P 31, 27 P 37, 28 P 67 , RR X-113, Kaveri - 468, KRH-2, US-312, RH. -312, rh. -1531etc and fragrant paddy varieties- Type-3, Pusa Basmati-1, Malviya Sugandh-105, Malviya Sugandha-3-4, Narendra Sugandh and Narendra Usar Paddy-1, Narendra Usar Paddy-2, Narendra Usar Paddy-2008, CLR-10 etc Insert nursery by arranging any one variety of seeds and fertilizers . Light irrigation should be done in the field 15 days before planting the nursery of paddy seeds so that the weeds coming out in the field are destroyed while preparing the field. Khaira disease in the nursery occurs due to zinc deficiency in which leaves turn yellow and later brown spots appear. To control this, when symptoms appear, spray 5 kg zinc sulphate with 2 percent urea solution or 2.5 kg slaked lime by making a solution in about 1000 liters of water per hectare.
MAIZE (Sowing)	After preparing the field by ploughing it for sowing Kharif maize, arrange for fertilizers and seeds for sowing any one of the improved recommended complex varieties - Kanchan, Gaurav, Shweta, Azad Uttam and hybrid varieties - HMH-3904, PMH-3, NK-61, Prakash, Y-1402, Bio-9681, Pro-316, D-9144, Dikalb- 7074, PHB- 8144, Deccan 115, MMH-133 etc. For sowing complex variety of maize, sow at the rate of 20-25 kg seed/hectare and Shankar variety at the rate of 18-20 kg seed/hectare.
SESAME (GINGELLY/TIL) (Sowing)	Sow improved varieties of sesame such as Gujarat Til-6, R.T.-346, R.T.-351, Tarun, Pragati, Shekhar Type-78, Type-13, Type-4 and Type-12, M.T.-2013-3 and U.A.T. Til-1.
MAIZE (Maturity and Harvesting)	Farmers are advised to harvest the mature maize corn and after separating the grain from the broken corn, dry it well in the sun and store it.
SUGARCANE (Vegetative)	Maintain proper moisture by irrigating standing sugarcane crop as per requirement and do weeding for weed control. Complete all these agronomic operations before the onset of rains monsoon. For controlling top borer pest, destroy the affected young plant by cutting it from the ground level. If severe infestation is seen, then for its control, spray 150-200 ml of Chlorantraniliprole 18.5 S.C. Dissolve the pesticide in 400-500 liters of water and spray it per acre and irrigate.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
BRINJAL (Physiological Maturity)	Raise nursery/ sow seedlings of vegetables to be sown in Kharif. This is the appropriate time for nursery of brinjal, chili, early cauliflower and sowing of ladyfinger, cowpea, pumpkin, bottle gourd, ridge gourd, bitter gourd, cucumber etc. Harvest the ready crops of Zaid pumpkin, bottle gourd, bitter gourd, cucumber, watermelon, muskmelon etc. and send them to market. For prevention of fruit borer/leaf borer pest in vegetable crops, prepare solution of neem oil 1.5-2.0 ml/liter in water and spray 3-4 times at an interval of 8-10 days. Do weeding in standing vegetable crops and do

Horticulture (Stage)	Horticulture Specific Advisory
	irrigation work in the evening at an interval of 8-10 days. For controlling green hopper and white fly in cucurbitaceous crops, spray 1.0 ml of Imidacloprid 30.5% chemical and for controlling stem and fruit borer pests, spray 1.0 ml of Flubendiamide 39.35% chemical by dissolving it in one litre of water. To protect against fruit fly, apply Q Lure Pheromone Trap at the rate of 8-10 traps per hectare.
MANGO (Physiological Maturity)	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 mango and 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 litre 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	Considering the current weather, farmers are advised to tie the animals in the open during the night. Tie the animals in a shade time place during the day. Do not tie the animals under the tree because this week the chances of falling trees twigs are high due to the speed of the winds. FMD for the prevention of foot-mouth disease to animal's vaccine and VQ for prevention of Lagadia fever. Give sufficient quantity of grains to the animals with green and dry fodder. Animals must be given clean and fresh water 3-4 times a day. Do not tie pregnant animals to the sloping place. The best time to give anthelmintic drugs for the prevention of insects in the stomach of animals.

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). To protect the chickens from heat, arrange curtains, fans and ventilation in the hen house. To save the chickens from the heat, sprinkle water on the curtains engaged in the chicken house so that the coolness remains.

Likely impacts of weather warnings (General)

According to the weather forecast received from the Indian Meteorological Department, there is a warning on light rain, thunderstorms & lightning, strong winds at a local level between dated on 14-18 June 2025.

Impact based advisories (General)

In view of the possibility of light rain in upcoming days, farmers are advised to conserve the grains by harvesting and threshing the mature Zaid crops and do not do irrigation work in the morning and afternoon. Do not do any work on the fields between 11 am to 4 pm and do light irrigation in standing crops in the evening at an interval of 7-8 days in case of no rain. Do not leave the animals outside for grazing between 11 am to 4 pm. Bathe the animals in the morning and evening. Do not go out of the house unnecessarily during the afternoon. If there is any important work, then go out of the house 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>