



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



Agromet Advisory Bulletin

Date : 2025-05-30

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

Parameter	2025-05-31	2025-06-01	2025-06-02	2025-06-03	2025-06-04
Rainfall(mm)	6.0	0.0	0.0	1.0	1.0
Tmax(°C)	39.0	41.0	39.0	39.0	39.0
Tmin(°C)	28.0	29.0	29.0	28.0	27.0
RH-I(%)	63	58	56	69	70
RH-II(%)	45	40	45	47	48
Wind Speed(kmph)	4	4	6	5	8
Wind Direction(Degree)	125	190	249	222	240
Cloud Cover(Octa)	3	5	6	7	6
Warning	Thunderstorms & Lightning, Squall etc; Strong Surface Winds	Thunderstorms & Lightning, Squall etc; Strong Surface Winds	No Warning	No Warning	No Warning

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, squall, hailstorm, strong winds at local level on 31 May and 3, 4 June, 2025. The maximum temperature is between 39.0- 41.0°C, which is likely to be near at normal and the minimum temperature is between 27.0-29.0°C, which is likely to be 2-3°C higher normal. The maximum and minimum range of relative humidity is between 56-70 and 40- 48%. Wind direction is south-east, south-west and wind speed is between 4.0-8.0 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 on light rain, thunderstorms & lightning, hailstorm, strong surface winds at a local level 31 May and 3-4 June 2025.

Likely impacts of weather warnings on Agriculture and associated Agromet advisories

In view of light to moderate rain with thunderstorm/lightning, hailstorm and strong surface winds, farmers are advised not to tie animals in open space/under trees and also postpone their travel or activity. If you are in a group during a thunderstorm, separate from each other. Preserve the grains by harvesting and threshing the mature Zaid crops

General Advisory:

Farmers are advised that the weather is favorable for harvesting and sowing of mature crops of maize, urd / moong and nursery sowing of kharif maize, paddy. Bath the animals in the morning and evening; keep it in a shady place, give water 3-4 times. For pesticides, insecticides and weedicides, use only clean water to wash equipment and do not spray pesticides, insecticides and weedicides while standing in the opposite direction of the wind. Spraying should be done in the evening; if possible, hands should be washed thoroughly with soap after spraying, before eating and after washing clothes.

SMS Advisory:

Farmers are advised that the weather is favorable for harvesting of mature crops of maize, Black gram / green gram and sowing of paddy, sowing of kharif maize.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
MAIZE (Grain filling and Maturity)	Late sown maize crops are at grain filling/maturity stage which are sensitive to moisture deficit. Therefore, maintain proper moisture by giving light irrigation as per requirement. There is a possibility of outbreak of stem borer / shoot fly insect in maize crop, so for its prevention, Emamectin Benzoate 5 % SG 200 g / hectare or Dimethoate 30% EC 1.0 liter / hectare dissolved in 600-700 liters of water. Make and sprinkle.
BLACK GRAM (Grain filling and Maturity)	Late sown black gram is at pod formation/grain filling stage which is sensitive to moisture deficiency. Therefore, maintain proper moisture by giving light irrigation as per requirement. There is a possibility of outbreak of pod borer in black gram crop, so to prevent it, apply Emamectin Benzoate 5% SG 220 g / hectare or Dimethoate 30% EC. Spray at the rate of 1.0 liters/hectare in 600-700 liters of water when the sky is clear.
GREEN GRAM (Grain filling and Maturity)	Late sown green gram is at pod formation/grain filling stage which is sensitive to moisture deficiency. Therefore, maintain proper moisture by giving light irrigation as per requirement. There is a possibility of outbreak of pod borer in green gram crop, so to prevent it, apply Emamectin Benzoate 5% SG 220 g / hectare or Dimethoate 30% EC. Spray at the rate of 1.0 liters/hectare in 600-700 liters of water when the sky is clear.
MAIZE (Sowing)	Prepare the fields for the sowing of Kharif maize, as well as the advanced recommended complex species- Kanchan, Gaurav, Sweta, Azad, the best and hybrid varieties- Prakash, Y-1402, Bio-9681, Pro-316, D-9144, Dikab- For sowing any one species from 7074, PHB-8144, Deccan 115, MMH-133 etc., arranging manure and seeds. For sowing of complex variety of maize, sow at the rate of 20 -25 kg seed / hectare and Shankar species at the rate of 18 -20 kg seed / hectare.
RICE (Nursery/ seedling)	Prepare the fields for planting 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.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
BRINJAL (Physiological Maturity)	Suitable time for sowing of lady finger, Cowpea, Pumpkin, Gourd, Taroi, Bitter gourd, Cucumber etc. Sowing of brinjal, chilli, early cauliflower seedlings. Harvest the finished crops like Pumpkin, Gourd, Taroi, Bitter gourd, Cucumber, Cucumber, Watermelon and Melon etc. and send them to the market. For the prevention of fruit borer / leaf borer pest in vegetable crops, make a solution of neem oil in 1.5-2.0 ml / liter of water and do 3-4

Horticulture (Stage)	Horticulture Specific Advisory
	sprays at an interval of 8 -10 days. Do weeding and hoeing in the standing crops of vegetables and do irrigation work at an interval of 8-10 days in the evening.
MANGO	Dig pits for planting new gardens. Do irrigation work in orchards of mango, guava, lemon plum, grapes, papaya and litchi etc. Irrigate the orchards to prevent fall of mango fruit or apply 4.5 SL of 20 ml alpha naphthalene acetic acid make a solution per liter of water and spray it. To prevent cuckoo disorder or internal rot disease in mango pods, make borax 0.8% solution in 0.8 g / liter water and spray 2 at 10 days interval.

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.

Others (Soil / Land Preparation) Specific Advisory:

Others (Soil / Land Preparation)	Others (Soil / Land Preparation) Specific Advisory
AGRI FIELD	Deep plow the fields empty of wheat and other crops with disc plow so that the eggs and larvae of harmful insects hidden inside the ground are destroyed in the sun.

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, hailstorm, strong surface winds at a local level .

Impact based advisories (General)

In view of light to moderate rain with thunderstorm/lightning, hailstorm and strong surface winds, farmers are advised not to tie animals in open space/under trees and also postpone their travel or activity. If you are in a group during a thunderstorm, separate from each other. Preserve the grains by harvesting and threshing the mature Zaid crops
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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>