



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



Agromet Advisory Bulletin

Date : 18-03-2025

Weather Forecast of HATHRAS(Uttar Pradesh) Issued On : 2025-03-18(Valid Till 08:30 IST of the next 5 days)

Parameter	2025-03-19	2025-03-20	2025-03-21	2025-03-22	2025-03-23
Rainfall(mm)	0.0	0.0	7.0	0.0	0.0
Tmax(°C)	33.0	35.0	35.0	35.0	35.0
Tmin(°C)	18.0	19.0	21.0	20.0	19.0
RH-I(%)	61	58	69	72	71
RH-II(%)	30	32	33	36	35
Wind Speed(kmph)	4	2	5	2	4
Wind Direction(Degree)	290	68	73	243	301
Cloud cover(octa)	1	1	4	3	2
Warning	No Warning	No Warning	Thunderstorms & Lightning, Squall etc; Strong Surface Winds	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 days but there is a no possibility of thunderstorms & lightning, squall, strong surface winds speed and rain dated on 21 march, 2025. The maximum temperature is between 33.0- 35.0°C, which is likely to be 2-3°C higher normal and the minimum temperature is between 18.0-21.0°C, which is likely to be 2-3°C higher normal. The maximum and minimum range of relative humidity is between 61-72 and 30 - 36%. Wind direction is north-west, north-east and wind speed is between 2.0-5.0 kmph with gusts expected to be 1-2 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 dated on 21.03.2025 thunderstorms & lightning, squall strong surface winds weather warning remaining days for the next four days is no warning.

Likely impacts of weather warnings on Agriculture and associated Agromet advisories

Considering the weather conditions, the weather is favorable for sowing of ladyfinger, ridge gourd, pumpkin gourd, cucumber, kachori and summer maize, urd, moong and harvesting/digging of mature crops like mustard and potato.

General Advisory:

Farmers are advised to do light irrigation in standing crops and vegetables as per requirement and also sow Zaid maize, urd, moong/summer vegetables and harvest/dig ripe crops like mustard and potato and keep the crop in a safe place. It is advisable to monitor the crops regularly to prevent infection of thrips pest and purple spot disease in onion. For insecticides, pesticides and weedicide chemicals, separate or

use only to wash equipment with clean water and do not spray or spray insecticides, pesticides and weedicide standing in the opposite direction of the wind. Spraying should be done in the evening if possible.

SMS Advisory:

Farmers are advised to sow maize, urd, moong/summer vegetables and harvest/dig ripe crops like mustard, potato etc and keep the crop in a safe place.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
WHEAT	Wheat crop is in the stage of milking and grain filling, which is sensitive to lack of moisture; hence farmers should maintain proper moisture by doing light irrigation as per need. Use fodder made of zinc phosphide or aluminum phosphide cake when rats are found in the wheat crop. Make collective efforts for the prevention of rats.
MUSTARD	Harvest the crop when the mustard pods become 75% golden in color. After harvesting the mustard crop, drying in the sun and separate the seeds after threshing.
FIELD PEA	Harvest/thresh the mature crop of pea sown on time. There is a possibility of outbreaks of Pod borer insects in the pea crop, so for its prevent this, spraying Qunalphos 25 EC@ 2 liters per hectare or Emamectin benzoate 5 % sg 180 - 200 gram per hectare in 500 to 600 liters of water Solution.
CHICK PEA	Harvest/thresh the mature crop of chick pea sown on time. There is a possibility of outbreaks of pod borer insects in the gram crop, so for it's prevent this, spraying Qunalphos 25 EC@ 2 liters per hectare or Emamectin benzoate 5 % sg 180 - 200 gram per hectare in 500 to 600 liters of water.
MAIZE	In the maize crop sown on time, first irrigation should be done 20-25 days after sowing and weeding should be done when the seedlings appear.
BLACK GRAM	The first irrigation of the timely sown urad crop should be done 30-35 days after sowing and weeding should be done when the leaves appear. Recommended varieties of Zaid urd - Try to complete the sowing of any one of the varieties like TA-9, Narendra urd-1, Azad urd-1, Azad urd-2, Shekhar-2, Sujata, PU-40 etc. as soon as possible. For sowing the zaid urad crop, sow the seeds at the rate of 25-30 kg seed/hectare.
GREEN GRAM	Recommended varieties of moong- Narendra moong-1, Malviya Jagranti, Samrat, moong Janpriya, Meha, HUM-16, Malviya Jyoti, TMV-37, Malviya Jan Chetna, IPM-2-3, IPM-2-14, Kanika, Azad moong-1 Hira, Surya, etc. Arrange for fertilizer and seeds for sowing any one of these varieties and then start sowing.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
OKRA/ LADYFINGER	If purple spot disease is seen in onion crop, then to control it, make a solution of Mancozeb 0.25% (0.25 gram/liter water) and spray it 3-4 times at an interval of 15-20 days. Sown vegetables such as ladyfinger, zucchini, cucumber, bitter gourd, gourd and pumpkin etc. sown during summer season. In case of infestation of red pumpkin worm in cucurbitaceous vegetables, sprinkle 5% Malathion dust in the soil around the stem of the plants in the morning and sprinkle it on the plants. Prepare the field for transplanting summer crops of tomato, chilli etc. and also transplant the prepared seedlings.
MANGO	There is a possibility of an outbreak of midge insect in mango blossom, so spraying phenytrrothian solution in 1.0 ml / liter water to prevent it. In mango orchards, there is a possibility of moth and mango hopper pest infestation, so spraying Chlorpyriphos 20 EC 2.0 ml or Phenitrothian 50 EC 3.0 ml / liter water is sprayed to prevent it.

Live Stock Specific Advisory:

Live Stock	Live Stock Specific Advisory
BUFFALO	After the animals are fed, make 750 grams mustard oil, 100 grams turmeric, 50 grams dry ginger, 50 grams cumin, 500 grams jaggery mixture and OT for morning and evening for three days. In view of the current weather, farmers are advised to animals in the open during the night and draw and put curtains of jut sack on windows and doors at night and remove put curtains in the sun during the day. Give sufficient quantity of grains to the animals with green and dry fodder. Animals must be given fresh and fresh water 3-4 times a day. Keep the animals in a clean place. To prevent foot and mouth disease in animals, vaccinate them with FMD vaccine and to prevent foot and mouth disease, vaccinate them with BQ vaccine.

Poultry Specific Advisory:

Poultry	Poultry Specific Advisory
HEN	Farmers are advised to the hen supplements the food, mix vitamins and energy food material in their feed as well as calcium content to hens. To prevent Ranikhet disease in chickens, vaccinate one week old chicks with F-1 vaccine and four week old chicks with R-2 vaccine.

Likely impacts of weather warnings (General)

According to the weather forecast received from the Indian Meteorological Department, there is no weather warning for the next five days.

Impact based advisories (General)

Keeping in view the weather conditions, sow ladyfinger, ridge gourd, pumpkin, gourd, cucumber, summer maize, urad, green gram and harvest/dig mature crops like mustard and potato and keep the crop in a safe place.

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>