



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



Agromet Advisory Bulletin

Date : 2025-03-13

Weather Forecast of District HATHRAS (Uttar Pradesh) Issued On : 2025-03-13 (Valid Till 08:30 IST of the next 5 days)

Parameter	2025-03-14	2025-03-15	2025-03-16	2025-03-17	2025-03-18
Rainfall(mm)	2.0	1.0	1.0	1.0	0.0
Tmax(°C)	34.0	34.0	34.0	34.0	32.0
Tmin(°C)	19.0	19.0	18.0	18.0	17.0
RH-I(%)	71	73	75	75	68
RH-II(%)	41	40	42	41	36
Wind Speed(kmph)	5	4	2	6	11
Wind Direction(Degree)	293	24	90	342	329
Cloud Cover(Octa)	3	5	1	1	1
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 days there is a possibility of light rain local level dated on 14-17 march, 2025. The maximum temperature is between 32.0- 34.0°C, which is likely to be 4-5°C higher normal and the minimum temperature is between 17.0-19.0°C, which is likely to be 3-4°C higher normal. The maximum and minimum range of relative humidity is between 68-75 and 36-42%. Wind direction is north-west, north-east and wind speed is between 2.0-11.0 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 a possibility of light drizzling local level dated on 14-17march, 2025.

Likely impacts of weather warnings on Agriculture and associated Agromet advisories

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.

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, urad, 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 flowering and milking, 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, dry the crop and separate the seeds after threshing.
FIELD PEA	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	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 carefully, weeding should be done 25-30 days after sowing. Recommended to the composite varieties of Zaid Maize - Tarun, Naveen, Mahi, Kanchan, Gaurav, Sweta, Azad Uttam and Hybrid Varieties - Prakash, Dikalb- 7074, Dikalb- 9108, Dikalb- 9208, Dikalb- 9141, Dikalb- 9165, Dikalb- 9217, PHB-8144, Deccan 115 and MMH-133 etc. Sow by arranging fertilizers and seeds for sowing any one species. Sow 20-25 kg seed/hectare for composite variety of maize and 18-20 kg seed/hectare for Hybrid variety.
BLACK GRAM	Do to Zaid black gram is variety - Urd-Ta-9, Narendra Urd-1, Azad Urd-1, Azad Urd-2, Shekhar-2, Sujata, PU-40 etc arrange of fertilizer and seed for sowing of any one of the varieties. for sowing of black gram seeds at the rate of 25-30 kg of 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	Outbreak of purple spot disease in onion crop affects the condition at 28 - 30 ° C temperature and 80 - 90% relative humidity, so copper oxychloride 0.3% (3 g/liter water) or Mancozeb at the rate of 0.25% (0.25 g/liter of water) and spray 3-4 at a 15-20 day interval. Sown vegetables such as ladyfinger, zucchini, cucumber, bitter gourd, gourd and pumpkin etc. sown during summer season.
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

Live Stock	Live Stock Specific Advisory
	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 a possibility of light drizzling local level dated on 14-17march, 2025.

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>