



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



Agromet Advisory Bulletin

Date : 2025-02-25

Weather Forecast of District HATHRAS (Uttar Pradesh) Issued On : 2025-02-25 (Valid Till 08:30 IST of the next 5 days)

Parameter	2025-02-26	2025-02-27	2025-02-28	2025-03-01	2025-03-02
Rainfall(mm)	0.0	0.0	0.0	1.0	0.0
Tmax(°C)	28.0	31.0	30.0	29.0	30.0
Tmin(°C)	12.0	14.0	16.0	15.0	14.0
RH-I(%)	72	70	68	77	74
RH-II(%)	39	39	40	42	41
Wind Speed(kmph)	3	2	4	8	7
Wind Direction(Degree)	0	127	0	59	41
Cloud Cover(Octa)	4	5	7	4	3
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 light to moderate cloud cover in the next five days there is a possibility of light rain with high winds, Thunderstorms & Lightning local level dated on 01.03.2025. The maximum temperature is between 28.0- 31.0°C, which is likely to be 3-4°C higher normal and the minimum temperature is between 12.0- 16.0°C, which is likely to be 2-3°C higher normal. The maximum and minimum range of relative humidity is between 68-77 and 39-42%. Wind direction is north-west, north-east and wind speed is between 2.0-8.0 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 thunderstorms & lightning, Squall for the dated on 01.03.2025.

Likely impacts of weather warnings on Agriculture and associated Agromet advisories

The weather conditions are likely to be favorable for sowing of ladyfinger, ridge gourd, pumpkin gourd, cucumber, kachori and summer maize, urad. Farmers are advised to harvest mature crops like mustard and potato and store the grains in a safe place.

General Advisory:

Farmers are advised to do light irrigation as per requirement in rabi crops and vegetables crop sown, as well as weather is favorable for sowing Zaid Maize, Black gram and summer vegetables. 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, after spraying, washing hands thoroughly with soap or hand washing before eating and after washing.

SMS Advisory:

Harvest mature crops of mustard and potato and do light irrigation in wheat and other crops as per requirement. Also, the weather is favorable for sowing of zaid maize, Urd and summer vegetables.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
WHEAT	Farmers are advised to do fourth irrigation in wheat crop after 80-85 days (before earing). 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. Mustard crop is likely to show outbreak of aphid, Painted class and leaf mulch in mustard crop, so Chlorpyrifos rate of 20% EC 1.0 liter / ha or Monocrotophos 37% SL @ 500 ml / ha for its prevention spray from 500 - 600 liters of water.
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	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, PHB-1899, Deccan 115, 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 .

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
POTATO	The weather is favorable for digging of potato crop . Cut the lock of the crop 15-20 days before digging the potato crop, which makes the skin of the tuber firmer and reduces the possibility of potato rot.
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

Horticulture (Stage)	Horticulture Specific Advisory
	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 phenytrathion 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 Chlorpyrifos 20 EC 2.0 ml or Phenitrothion 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 swing the animals in the morning and evening to protect them from the cold, their 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.

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.

Likely impacts of weather warnings (General)

According to the weather forecast received from the Indian Meteorological Department, there is thunderstorms & lightning, Squall for the dated on 01.03.2025.

Impact based advisories (General)

The weather conditions are likely to be favorable for sowing of ladyfinger, ridge gourd, pumpkin gourd, cucumber, kachori and summer maize, urad. Farmers are advised to harvest mature crops like mustard and potato and store the grains 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 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>