



Gramin Krishi Mausam Sewa
Agromet Advisory Bulletin for UDAMSINGH-NAGAR
District
Govind Ballabh Pant University of Agriculture & Technology
Udham Singh Nagar, Pantnagar, Uttarakhand



Agromet Advisory Bulletin

Date : 2025-12-23

Weather Forecast of District UDAMSINGH-NAGAR (Uttarakhand) Issued On : 2025-12-23 (Valid Till 08:30 IST of the next 5 days)

Parameter	2025-12-24	2025-12-25	2025-12-26	2025-12-27	2025-12-28
Rainfall(mm)	0.0	0.0	0.0	0.0	0.0
Tmax(°C)	21.0	21.0	20.0	20.0	20.0
Tmin(°C)	7.0	6.0	6.0	6.0	5.0
RH-I(%)	95	94	90	96	95
RH-II(%)	53	56	55	57	60
Wind Speed(kmph)	5	5	3	3	5
Wind Direction(Degree)	304	326	353	320	342
Cloud Cover(Octa)	0	0	0	2	3
Warning	Fog	Fog	Fog	Fog	Fog

Forecast Summary:

No rainfall was recorded during the last seven days (December 16-23), with maximum and minimum temperatures ranging between 13.5 and 22.0 °C and 5.5 and 11.0 °C, respectively. Most days last week were foggy. Relative humidity ranged between 97 and 100% at 0712 IST and between 56 and 98% at 1412 IST. Wind speed was between 1.1 and 3.0 km/h, and the wind direction was mostly east-southeast, west-northwest, west-southwest, and south-southwest. The forecast for the next 5 days shows no possibility of rain, but dense to very dense fog and cold day conditions are expected on December 23, while a yellow warning for dense fog has been issued for December 24-27. Maximum and minimum temperatures will be between 21.0-22.0 °C and 5.0-7.0 °C, respectively. Winds will blow at a speed of 3-5 km/h, mostly from the north-northwest, north-northwest, southeast, northwest, and west-northwest directions. Dense to very dense fog and cold day conditions are expected to persist on December 23, while a yellow warning for dense fog has been issued for December 24-27.

Weather Warnings (Valid Till 08:30 IST of the next day)

Dense to very dense fog and cold day conditions are expected to prevail on December 23, while a yellow warning for dense fog has been issued for December 24 to 27.

Likely impacts of weather warnings on Agriculture and associated Agromet advisories

Colder days are expected ahead, so if necessary, light irrigation should be done to prevent damage from frost or fog.

General Advisory:

Farmers and communities involved in agriculture can download the "Mausam" app for regular weather information and rainfall alerts. Other apps like "Meghdoot" and "Damini" are also available for regular updates on meteorological data and lightning strike information. All these apps can be easily downloaded from the Google Play Store (for Android users) and the App Store (for iOS users).

SMS Advisory:

According to the IMD, a cold day with dense fog is expected on December 23rd, and moderate to dense fog is expected on December 24th and 25th. Therefore, light irrigation should be done to prevent dam

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
CHICK PEA (Vegetative)	The crop should be regularly monitored and hoeing and weeding operations should be carried out at appropriate intervals.
LENTIL (Vegetative)	The crop should be regularly monitored and hoeing and weeding operations should be carried out at appropriate intervals.
RAPESEED (Vegetative)	In case of flowering and pod formation stage, irrigation should be applied in the late sown crop. In case of disease/pest occurrence recommended practices should be followed. When 75% pods attain golden colour in the September sown crop then harvest the crop.
MUSTARD (Vegetative)	In case of flowering and pod formation stage, irrigation should be applied in the late sown crop. In case of disease/pest occurrence recommended practices should be followed. When 75% pods attain golden colour in the September sown crop then harvest the crop.
WHEAT (Seedling Growth)	The top dressing in timely sown crop after 3-4 days should be done during afternoon. Regular hoeing and weeding should be done at 25-30 days and 45 50 days interval. The late sowing of wheat should be completed till 25 December. Late sown wheat is affected by the sudden fall in temperature so the followed seed rate should be increased by 25%.
BARLEY (Seedling Growth)	Regular monitoring of the crop should be done and hoeing and weeding operations should be performed after 25-30 days.
SUGARCANE (Vegetative)	Autumn sugarcane should be regularly monitored and irrigation should be applied as required. Hoeing and weeding operations should also be carried out.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
CAULIFLOWER (Seedling Growth)	Light irrigation should be given in the cauliflower. To control the leaf spot disease in cole crops, mancozeb 75 WP should be applied 2-3 times. Hot water seed treatment should be used to control the disease.
VEGETABLE PEA (Vegetative)	Along with the intercultural operations recommended chemical applications for stem fly and leaf minor should be followed.
TOMATO (Vegetative)	On the shrinkage or getting piebald of upper leaves of tomato/chilli, infected plants should be removed and destroyed. The crop should be checked for disease transferring insects and controlled accordingly.

Live Stock Specific Advisory:

Live Stock	Live Stock Specific Advisory
COW	With the changing weather, there is a high chance of Pneumonia in new born babies of animals. So, it is advised that animal shed should be protected from cold and hot food should be given to the animals.
BUFFALO	To save the animal from cold, increase the amount of oil and Jaggery (Gur) in the food of animals. Caraway (Ajwain) and gur also be given to the animals. To save the animals from cold, proper arrangement of animal shed should be done. Vaccination should be given to the animals to save them from Rinderpest disease (Sheetla rog).

Likely impacts of weather warnings (General)

Cold days are expected ahead which might cause damage to the vegetable crops.

Impact based advisories (General)

Light irrigation should be provided if required to prevent damage due to frost or fog.

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/>

