



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 : 2026-01-09

Weather Forecast of District UDAMSINGH-NAGAR (Uttarakhand) Issued On : 2026-01-09 (Valid Till 08:30 IST of the next 5 days)

Parameter	2026-01-10	2026-01-11	2026-01-12	2026-01-13	2026-01-14
Rainfall(mm)	0.0	0.0	0.0	0.0	0.0
Tmax(°C)	14.0	14.0	14.0	14.0	14.0
Tmin(°C)	3.0	3.0	3.0	3.0	3.0
RH-I(%)	72	73	74	74	76
RH-II(%)	45	40	47	42	43
Wind Speed(kmph)	5	5	4	6	5
Wind Direction(Degree)	340	300	290	300	290
Cloud Cover(Octa)	1	1	1	1	1
Warning	Cold wave; Fog	Fog	Fog	Fog	Fog

Forecast Summary:

In the last seven days (2 to 8 January) 0.0 mm rainfall was recorded with maximum and minimum temperatures ranging between 11.6 to 15.8°C and 3.3 to 11.0°C, respectively. During the last week most days experienced dense fog and cold day conditions. Morning relative humidity at 0712 hrs ranged between 83 to 100% and evening relative humidity at 1412 hrs ranged between 72 to 93%. Wind speed was 1.8 to 6.0 km per hour and wind direction was mostly west-north-west, north-north-west, west-south-west and north. The upcoming 5 days forecast shows no rainfall but cold wave condition with dense fog from 9 to 13 January is expected. The maximum and minimum temperature, respectively is expected to be 14.0 degree celsius and 3.0 degree celsius. The wind is expected to blow at a speed of 4-6 kmph in the direction north-north-west, west north-west and north-west-west. Dense fog and cold wave condition is likely to occur at isolated places during the upcoming week from 9 to 13 January for which yellow warning has been issued. For 8 January cold wave condition has been predicted.

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

Cold wave warning has been issued for 8 January and dense fog conditions are expected to persist in the upcoming week. Dry winters would continue in the coming week.

Likely impacts of weather warnings on Agriculture and associated Agromet advisories

Cold damage in crops so light irrigation should be applied to regulate the temperatures and heaters can also be used in farms. The cold sensitive crops like young seedlings should be protected using protective nets to prevent cold damage.

General Advisory:

The weather forecast and agrometeorological advisory is regularly updated on the "Meghdoot App" and "Damini App" is also available to get lightning information. Meghdoot and Damini apps can be downloaded from Google Play Store (Android users) and App Center (iOS users). The extended range

forecast system indicates dry rainfall trend with above normal maximum and below normal minimum temperature trend.

SMS Advisory:

As per IMD, yellow warnings has been issued regarding cold wave and fog occurrence in the upcoming week so light irrigation or heaters should be used for crops and protective net for young seedlings.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
CHICK PEA (Vegetative)	Regular monitoring of the crop should be done and weeding-hoeing operations should be continued in the crops to avoid weed infestation problem. Light irrigation should be applied to avoid damage due to freezing injury.
LENTIL (Vegetative)	Regular monitoring of the crop should be done and weeding-hoeing operations should be continued in the crops to avoid weed infestation problem. Light irrigation should be applied to avoid damage due to freezing injury.
RAPESEED (Flowering)	In case of late sown rapeseed harvesting should be done at maturity while in case of mustard (Rai) irrigation should be applied at flowering and pod formation stage. Application of any chemical control measure should be done during afternoon hours when leaves are dry.
WHEAT (Vegetative)	In case of weed emergence in late sown crop, manual weeding and hoeing should be followed or chemical application as per recommendation should be followed along with irrigation application as per requirement. In case of zinc deficiency recommended dose of zinc sulphate spray (25-35 kg per hectare) should be scheduled for the crop and regular monitoring for diseases should be done. All the chemical applications should be applied when the leaves are dry during noon time.
BARLEY (Vegetative)	The late sown crop should be monitored and regular weeding and hoeing operations should be done. Light irrigation application as per requirement should be done.
SUGARCANE (Vegetative)	Ratoon and autumn sugarcane should be monitored and appropriate farming operations like water shoot cutting should be done.
BARSEEM (Vegetative)	After harvesting the crop, irrigation should be applied.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
ONION (Vegetative)	The transplanting of onion crop should be completed in manured fields till mid January and light irrigation should be applied to avoid damage due to cold or protective nets can be used to avoid cold damage in young seedlings.
VEGETABLE PEA (Flowering)	Regular hoeing-weeding should be done in the crops and irrigation should be applied to prevent damage by cold.
TOMATO (Flowering)	The crop should be regularly monitored for disease transferring insects and control measures should be used. All the chemical applications should be done during noon time when leaves are dry.
CHILLI (Flowering)	The crop should be regularly monitored for disease transferring insects and control measures should be used. All the chemical applications should be done during noon time when leaves are dry.
POTATO (Vegetative)	Leftover nitrogen application should be done at 30-35 days interval when earthing up operation is followed in the crop. To control the late blight disease in potato, it is advised that solution of Mancozeb@ 2.5g/liter of water should be sprayed.

Live Stock Specific Advisory:

Live Stock	Live Stock Specific Advisory
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). The animal feed should be increased by 10% for extra energy requirement.
COW	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). The animal feed should be increased by 10% for extra energy requirement.
GOAT	Keep the delivery chambers of sheep/goats clean and neat.
SHEEP	Keep the delivery chambers of sheep/goats clean and neat.

Likely impacts of weather warnings (General)

Cold damage to crops and young seedling crops.

Impact based advisories (General)

Protect the crops using light irrigation or heaters and young seedlings can be protected using protective nets.

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/>