



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 : 2026-01-02

Weather Forecast of District UDAMSINGH-NAGAR (Uttarakhand) Issued On : 2026-01-02 (Valid Till 08:30 IST of the next 5 days)

Parameter	2026-01-03	2026-01-04	2026-01-05	2026-01-06	2026-01-07
Rainfall(mm)	0.0	0.0	0.0	0.0	0.0
Tmax(°C)	19.0	19.0	19.0	20.0	20.0
Tmin(°C)	9.0	9.0	9.0	10.0	10.0
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	10	300	290
Cloud Cover(Octa)	2	2	1	1	1
Warning	Fog	Fog	Fog	Fog	Fog

Forecast Summary:

In the last seven days (26 January to 1 February) 0.0 mm rainfall was recorded with maximum and minimum temperatures ranging between 13.4 to 19.5°C and 4.5 to 10.9°C. During the last week most days experienced dense fog and cold days. Morning relative humidity at 0712 hrs ranged between 83 to 100% and evening relative humidity at 1412 hrs ranged between 63 to 90%. Wind speed was 1.0 to 3.9 km per hour and wind direction was mostly west-north-west, south-south-west, west-south-west and east. The upcoming 5 days forecast shows no rainfall but cold days with severely dense fog from 2 to 6 January is expected. The maximum and minimum temperature, respectively is expected to range between 19.0-20.0 degree celsius and 9.0-10.0 degree celsius. The wind is expected to blow at a speed of 4-6 kmph in the direction north-north-west, north-west-west and west-north-west. Dense fog and cold day condition is likely to occur at isolated places during the upcoming week from 2 to 6 January for which yellow warning has been issued.

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

Yellow warning has been issued regarding occurrence of dense fog during the upcoming week.

Likely impacts of weather warnings on Agriculture and associated Agromet advisories

Cold damage to crop may occur so light irrigation should be applied to regulate the temperature. Disease/pest occurrence particularly in potato crop. Monitoring of these diseases and chemical application when weather is clear and leaves are dry during afternoon hours.

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 NDVI composite

shows good agricultural vigour in the region. The extended range forecast system indicates large deficient rainfall, normal maximum and below normal minimum temperature trend.

SMS Advisory:

As per IMD, dense fog is expected to occur in the upcoming week so light irrigation should be given to avoid cold damage in crops.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
CHICK PEA (Vegetative)	At the time of flowering and pod formation irrigation should be applied as required. Regular hoeing-weeding should be done in the crops. In chickpea/lentil, in case of aphid attack recommended chemical and biological control practices like sticky traps should be followed.
LENTIL (Vegetative)	At the time of flowering and pod formation irrigation should be applied as required. Regular hoeing-weeding should be done in the crops. In chickpea/lentil, in case of aphid attack recommended chemical and biological control practices like sticky traps should be followed. The chemical spray should be done when leaves are dry.
RAPESEED (Flowering)	To control the aphid pest, apply Dimethoate 30 EC @500 ml when the pest is found above the economic threshold level (26-28 aphids per 10 cm upper branch of the stem on 10-15 plants) or Thiamethoxam 25 WG @100 g mixed in 600-700 liters of water per hectare should be sprayed at an interval of 10 days. The crop should be harvested if mature and irrigation should be applied at flowering/pod formation stage. All the chemical applications should be done during afternoon hours when the leaves are dry.
MUSTARD (Flowering)	To control the aphid pest, apply Dimethoate 30 EC @500 ml when the pest is found above the economic threshold level (26-28 aphids per 10 cm upper branch of the stem on 10-15 plants) or Thiamethoxam 25 WG @100 g mixed in 600-700 liters of water per hectare should be sprayed at an interval of 10 days. The crop should be harvested if mature and irrigation should be applied at flowering/pod formation stage. All the chemical applications should be done during afternoon hours when the leaves are dry.
WHEAT (Vegetative)	In case of weed emergence in late sown crop either manual weeding and hoeing should be followed or chemical application as per recommendation. For broad leaved weeds 2,4-D @500g or metsulfuron methyl @4g should be applied at 30-35 or 35-40 DAS while for narrow leaved weeds Isoproturon @1kg/ Sulfosulfuron @25g/ Clodinafop @60g can be sprayed at an interval of 30-35 DAS. Irrigation should be applied as required. All the chemical applications should be done during afternoon hours when leaves are dry.
BARLEY (Vegetative)	The late sown crop should be monitored and weeding-hoeing should be carried out at an interval of 25-30 days. Irrigation should be applied as required.
SUGARCANE (Vegetative)	Ratoon and autumn sugarcane should be monitored and appropriate farming operations should be followed.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
CAULIFLOWER (Vegetative)	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. The chemical spray should be done when the leaves are dry.
ONION (Transplanting)	The transplanting of onion crop should be completed in manured fields till first week of January.
VEGETABLE PEA (Flowering)	At the time of flowering and pod formation irrigation should be applied as required. Regular hoeing-weeding should be done in the crops and irrigation should be applied as required.
TOMATO (Vegetative)	The crops should be regularly checked for disease transferring insects and controlled with the recommended practices. All the chemical applications should be done during afternoon hours when leaves are dry.

Horticulture (Stage)	Horticulture Specific Advisory
CHILLI (Vegetative)	The crops should be regularly checked for disease transferring insects and controlled with the recommended practices. All the chemical applications should be done during afternoon hours when leaves are dry.
POTATO (Vegetative)	To control the late blight disease in potato, it is advised that solution of Mancozeb@ 2.5g/liter of water should be sprayed. Light irrigation should be applied to regulate the temperature.

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.

Likely impacts of weather warnings (General)

cold damage due to fog and disruptions in chemical applications to control disease/pest in crops.
Weather is feasible for occurrence of disease/pest in crops.

Impact based advisories (General)

Light irrigation should be applied to avoid damage due to cold and chemical applications against disease/pest should be done during afternoon hours when leaves are dry.

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/>