



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



Agromet Advisory Bulletin

Date : 2026-01-02

Weather Forecast of District NAINITAL (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)	15.0	15.0	15.0	16.0	16.0
Tmin(°C)	1.0	1.0	1.0	2.0	2.0
RH-I(%)	77	70	75	68	69
RH-II(%)	45	42	40	45	40
Wind Speed(kmph)	7	8	7	7	7
Wind Direction(Degree)	330	340	10	310	300
Cloud Cover(Octa)	2	2	1	1	1
Warning	Ground Frost; Fog	Ground Frost; Fog	Fog	Fog	Fog

Forecast Summary:

In the upcoming days no rainfall has been predicted while dense fog with ground frost is expected in the upcoming week. Maximum & minimum temperature may range 15.0 to 16.0 degree Celsius & 1.0-2.0 degree Celsius, respectively. Wind is expected to blow with a speed of 7-8 km/hr from the north-west-north, north-north-west, east-south, north-west and north-west-west direction. The upcoming week will be cold with dense fog conditions occurring from 2 to 6 January and ground frost might occur on 2 and 4 January. Yellow warning has been issued regarding the occurrence of dense fog and ground frost.

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

Yellow warning regarding the occurrence of dense fog from 2 to 6 January has been issued along with ground frost during 2 and 3 January.

Likely impacts of weather warnings on Agriculture and associated Agromet advisories

The ground frost may cause damage to the crops due to freezing so light irrigation should be applied to regulate the temperatures of the crop. The disease/pest attack may dominate under the prevalent weather conditions and to regulate the disease and pest, control measures should be taken and chemical application can be done during afternoon hours if the weather becomes slightly clear.

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 impact visibility and ground frost may cause cold damage to crops so light irrigation and disease/pest control measures should be followed.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
CASTOR (Vegetative)	Regular monitoring of the crop should be done. In case of disease occurrence, the disease/pest control measures should be followed. Light irrigation should be applied to avoid cold damage in crops.
LENTIL (Vegetative)	Regular monitoring of the crop should be done. In case of disease occurrence, the disease/pest control measures should be followed. Light irrigation should be applied to avoid cold damage in crops.
RAPESEED (Flowering)	The crop should be monitored regularly. Light irrigation should be applied at the time of flowering in valleys and lower hills as per requirement and in case of pest/disease attack, recommended practices should be followed.
MUSTARD (Flowering)	The crop should be monitored regularly. Light irrigation should be applied at the time of flowering in valleys and lower hills as per requirement and in case of pest/disease attack, recommended practices should be followed.
WHEAT (Vegetative)	Under rainfed conditions, weeding-hoeing operations should be done and under irrigated conditions recommended weedicide application should be used for weed control. Light irrigation should be applied
BARLEY (Vegetative)	Regular monitoring for hoeing-weeding operations should be done and life saving irrigation should be applied to avoid cold damage.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
CAPSICUM (Nursery)	Seeds should be sown in the prepared nursery and seedlings should be protected from frost occurrence. Light irrigation should be given to save the seedlings from cold damage.
SPINACH (Vegetative)	In irrigated valley, hoeing should be done in Methi, spinach (Palak) and Coriander after irrigation.
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.
APPLE	Regular monitoring of the crop should be done for disease occurrence and after pruning recommended disease control measures should be followed.
PEAR	Regular monitoring of the crop should be done for disease occurrence and after pruning recommended disease control measures should be followed.
PEACH	Regular monitoring of the crop should be done for disease occurrence and after pruning recommended disease control measures should be followed.
PLUM	Regular monitoring of the crop should be done for disease occurrence and after pruning recommended disease control measures should be followed.

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.

Others (Soil / Land Preparation) Specific Advisory:

Others (Soil / Land Preparation)	Others (Soil / Land Preparation) Specific Advisory
GENERAL ADVICE	On occurrence of frost/fog, irrigation should be applied to the fields at regular intervals.

Likely impacts of weather warnings (General)

Ground frost can cause cold damage and freezing injury in crops. Weather conditions are suitable for the disease/pest attack particularly in Potato so suitable farming decisions and monitoring should be done.

Impact based advisories (General)

To avoid ground frost damage, light irrigation should be applied to the crops, regular monitoring if crops for disease/pest occurrence should be done and chemical application should be done during afternoon hours when weather is a little clear and 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>