



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 : 2026-01-20

Weather Forecast of District NAINITAL (Uttarakhand) Issued On : 2026-01-20 (Valid Till 08:30 IST of the next 5 days)

Parameter	2026-01-21	2026-01-22	2026-01-23	2026-01-24	2026-01-25
Rainfall(mm)	0.0	0.0	1.0	15.0	1.0
Tmax(°C)	16.0	16.0	16.0	11.0	12.0
Tmin(°C)	2.0	2.0	2.0	2.0	1.0
RH-I(%)	77	70	85	90	88
RH-II(%)	45	42	83	88	87
Wind Speed(kmph)	7	8	9	10	11
Wind Direction(Degree)	300	300	140	130	120
Cloud Cover(Octa)	1	1	7	6	5
Warning	Ground Frost	Ground Frost	No Warning	Thunderstorms & Lightning, Squall etc; Strong Surface Winds	No Warning

Forecast Summary:

In the upcoming days light rainfall of 1-15 mm has been predicted from 22 to 24 January and dry weather is expected to prevail in the region. Maximum & minimum temperature may remain 11.0-16.0 degree Celsius & 1.0-2.0 degree Celsius, respectively. Wind is expected to blow with a speed of 7-11 km/hr from the north-west-west, south-east and south-east-east direction. Ground frost warnings have been issued for 20 and 21 January with a yellow alert. Yellow alert has also been issued regarding thunderstorms, squalls, lightning and strong surface winds for 23 January.

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

Yellow warning regarding ground frost occurrence for 20 and 21 January while for the occurrence of thunderstorms, lightning, squall and strong surface winds for 23 January.

Likely impacts of weather warnings on Agriculture and associated Agromet advisories

Crop damage and congenial environment for attack by diseases and pests. Enough irrigation should be given to prevent crop damage from ground frost and protective nets should be provided to avoid damage to small plants.

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 large deficit rainfall and normal maximum-minimum temperature trend.

SMS Advisory:

As per IMD, ground frost has been predicted on few days so enough irrigation should be provided to avoid freezing injury and chemical application can be done during noon hours.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
LENTIL (Vegetative)	Regular hoeing and weeding operations should be continued and timely irrigation should be applied in case of ground frost. Any type of chemical application should be avoided under windy conditions.
RAPESEED (Flowering)	Crop monitoring should be done and timely irrigation should be provided. Diseases should be monitored and control measures like chemical spray should be avoided under windy conditions.
MUSTARD (Flowering)	Crop monitoring should be done and timely irrigation should be provided. Diseases should be monitored and control measures like chemical spray should be avoided under windy conditions.
WHEAT (Vegetative)	Under rainfed conditions, the weeding and hoeing should be monitored in the crop and time to time irrigation should be scheduled and provided as per requirement. Top dressing of urea in case of rainfed crop @1.2 kg/nali and in case of irrigated crop @2.0-2.5 kg /nali should be done after irrigation. Chemical applications should be avoided under windy conditions.
BARLEY (Vegetative)	The crop should be monitored regularly for hoeing and weeding and time to time irrigation should be applied. Under rainfed conditions after rainfall, 1 kg/nali urea top dressing should be done. Chemical applications should be avoided under windy conditions.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
CAPSICUM (Nursery/ seedling)	Seeds should be sown in the prepared nursery and seedlings should be protected from frost and extreme cold conditions by using plastic covers/protective nets with proper air and water movement.
VEGETABLE PEA (Vegetative)	Regular hoeing and weeding operations should be continued and timely irrigation should be applied in case of ground frost. Any type of chemical application should be avoided under windy conditions.
SPINACH (Vegetative)	The crop should be protected by providing protective nets against forecasted cold conditions. Apply enough irrigation at the time of ground frost to avoid freezing injury.
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. Chemical spray should be avoided under windy conditions.
APPLE	To control the fruit Rot disease in apple and seed bearing fruits, soil should be removed from the surrounding area of the stem so that the sunrays may enter directly in the stem of the affected tree. Affected bark should be removed and chaubatia paste should be applied along with soil covering.

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.

Poultry Specific Advisory:

Poultry	Poultry Specific Advisory
HEN	Medicine as per the veterinarian should be administered for aflatoxiosis caused due to fungal growth in their feed.

Likely impacts of weather warnings (General)

Ground frost occurrence can cause damage to crops and young seedlings while windy conditions can cause disruption in chemical applications.

Impact based advisories (General)

Enough irrigation should be given to crops to prevent freezing damage and young seedlings should be protected using plastic covers with proper aeration or 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