



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 : 2026-01-13

Weather Forecast of District NAINITAL (Uttarakhand) Issued On : 2026-01-13 (Valid Till 08:30 IST of the next 5 days)

Parameter	2026-01-14	2026-01-15	2026-01-16	2026-01-17	2026-01-18
Rainfall(mm)	0.0	0.0	0.0	0.0	0.0
Tmax(°C)	17.0	18.0	19.0	19.0	19.0
Tmin(°C)	3.0	3.0	3.0	4.0	4.0
RH-I(%)	77	70	75	68	69
RH-II(%)	45	42	40	45	40
Wind Speed(kmph)	4	8	4	7	4
Wind Direction(Degree)	330	340	290	310	70
Cloud Cover(Octa)	5	3	1	1	4
Warning	Ground Frost; Fog	Ground Frost; Fog	Fog	Fog	Fog

Forecast Summary:

In the upcoming days no rainfall has been predicted and dry weather is expected to prevail in the region. Dense fog warnings with ground frost at isolated places has been predicted for the upcoming week. Maximum & minimum temperature may remain 17.0-19.0 degree Celsius & 3.0-4.0 degree Celsius, respectively. Wind is expected to blow with a speed of 4-8 km/hr from the north-west-north, north-north-west, west north-west, north-west and north-east-north direction. The upcoming week will be cold with dense fog conditions occurring from 13 to 17 January and ground frost occurrence along with dense fog from 13 to 14 January. Yellow warning has been issued regarding the occurrence of dense fog and ground frost at isolated places in the upcoming week.

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

Yellow warning regarding occurrence of dense fog from 13 to 17 January and occurrence of ground frost with dense fog on 13 and 14 January. Cold dry days have been predicted.

Likely impacts of weather warnings on Agriculture and associated Agromet advisories

Damage to new seedlings and leafy vegetables, cold conditions can cause freezing injury in the plants. The new seedlings and leafy vegetables should be protected using nets from ground frost and light irrigation should be applied to maintain temperatures in the field.

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 deficient rainfall trend with above normal maximum and normal minimum temperature trend.

SMS Advisory:

As per IMD, dry weather with dense fog and ground frost has been predicted so light irrigation should be applied and protective nets should be used to prevent frost damage.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
LENTIL (Vegetative)	Crop monitoring should be done to check plant rot and weed infestation. Regular weeding-hoeing operations to control weeds should be done and fungicide should be used to control plant rot.
RAPESEED (Flowering)	Crop monitoring should be done and irrigation should be applied. Disease monitoring should be done and disease can be controlled chemically or by natural predators. Excessive chemical application should be avoided and if being done should be done judiciously particularly in aphid control.
MUSTARD (Flowering)	Crop monitoring should be done and irrigation should be applied. Disease monitoring should be done and disease can be controlled chemically or by natural predators. Excessive chemical application should be avoided and if being done should be done judiciously particularly in aphid control.
WHEAT (Vegetative)	Under rainfed conditions, regular monitoring of the crop should be done, weeding and hoeing operations should be carried out and time to time irrigation should be provided. 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.
BARLEY (Vegetative)	Regular crop monitoring should be done and weeding-hoeing operations along with timely irrigation should be followed. Under rainfed conditions post rainfall, top dressing of 1 kg/nali urea should be done.

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 protective nets and plastic covers with proper air and water movement.
VEGETABLE PEA (Vegetative)	Crop monitoring should be done to check plant rot and weed infestation. Regular weeding-hoeing operations to control weeds should be done and fungicide should be used to control plant rot.
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 sunlight 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.
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Live Stock	Live Stock Specific Advisory
GOAT	Keep the delivery chambers of sheep/goats clean and neat.
SHEEP	Keep the delivery chambers of sheep/goats clean and neat.

Others (Soil / Land Preparation) Specific Advisory:

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GENERAL ADVICE	As per the alert of ground frost, measures like light irrigation and use of protective nets against cold protection should be taken up in sapling/seedling and crops.

Likely impacts of weather warnings (General)

Cold damage and frost damage in seedlings and leafy vegetables.

Impact based advisories (General)

Protective nets should be used in leafy vegetables and seedlings to avoid frost damage. Any kind of chemical application should be scheduled during noon time.

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>

