



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 : 2026-01-16

Weather Forecast of District NAINITAL (Uttarakhand) Issued On : 2026-01-16 (Valid Till 08:30 IST of the next 5 days)

Parameter	2026-01-17	2026-01-18	2026-01-19	2026-01-20	2026-01-21
Rainfall(mm)	0.0	0.0	0.0	0.0	0.0
Tmax(°C)	18.0	18.0	18.0	19.0	19.0
Tmin(°C)	5.0	5.0	5.0	6.0	6.0
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)	300	170	160	170	290
Cloud Cover(Octa)	2	2	2	2	2
Warning	Ground Frost; Fog	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 from 16 to 20 January has been issued and such condition with ground frost is expected at isolated places on 16 January. Yellow warning for dense fog conditions has been issued for the the upcoming week. Maximum & minimum temperature may remain 18.0-19.0 degree Celsius & 5.0-6.0 degree Celsius, respectively. Wind is expected to blow with a speed of 4-8 km/hr from the north-west-west, south-east, south-south-east and west-north-west direction. The upcoming week will be dry with dense fog conditions occurring from 16 to 20 January and ground frost occurrence is also expected on 16 January. Yellow warning has been issued regarding the occurrence of dense fog from 16 to 20 January with ground frost occurrence at isolated places on 16 January.

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

Yellow warning regarding occurrence of ground frost with dense fog on 16 January and similar warnings have been issued for dense fog occurrence from 16 to 20 January.

Likely impacts of weather warnings on Agriculture and associated Agromet advisories

Damage to fresh seedlings and flowering. Congenial weather for occurrence of disease and pests. The fresh seedlings should be protected using protective nets and plastic covers with smooth air movement while irrigation should be applied in the crops to regulate temperatures, use mulches to avoid cold injury. Keep monitoring the crops for pest/disease occurrence and any chemical application should be scheduled during afternoon hours when the leaves are dry.

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, dense fog with ground frost is expected so suitable farming measures should be taken to protect the crops against cold 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. Irrigation should be applied to regulate temperature.
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. The chemical application should be done during afternoon hours when the leaves are dry. Irrigation should be applied to regulate temperature.
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. The chemical application should be done during afternoon hours when the leaves are dry.
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)	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. Irrigation should be applied to control temperature and prevent freezing injury.
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. Irrigation should be applied to control temperature and prevent freezing injury.
SPINACH (Vegetative)	Light irrigation should be applied to avoid leaf damage due to cold. Suitable plastic covers, mulch cover, irrigation and other temperature regulation methods should be used to save the leafy vegetables.
POTATO (Vegetative)	Regular monitoring for late blight disease should be done as this is the most congenial weather for its occurrence. Irrigation should be applied to regulate temperature and apply mancozeb @2.5 g/litre water should be applied when the leaves are dry.
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.
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:

Others (Soil / Land Preparation)	Others (Soil / Land Preparation) Specific Advisory
GENERAL ADVICE	Ground frost and fog alert has been given which is harmful for the crops and can cause cold damage so protection nets/plastic covers or irrigation should be applied to control temperatures.

Likely impacts of weather warnings (General)

Cold damage in crops and frost damage in fresh seedlings and leafy vegetables.
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Impact based advisories (General)

Leafy vegetables and fresh seedlings should be protected from cold damage by regulating temperature through light irrigation, mulch and providing them protection against frost using plastic covers, protective nets.
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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>