



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



**Agromet Advisory Bulletin**

**Date: 16.01.2024**

**Weather Forecast of District NAINITAL (Uttarakhand) Issued On: 2024-01-16 (Valid Till 08:30 IST of the next 5 days)**

Parameter	17/01/2024	18/01/2024	19/01/2024	20/01/2024	21/01/2024
Rainfall (mm)	0.0	0.0	0.0	0.0	0.0
Max Temp (°C)	16.0	16.0	16.0	15.0	14.0
Min Temp (°C)	4.0	4.0	4.0	4.0	4.0
Max RH I (%)	80	80	70	70	70
Min RH II (%)	30	30	30	30	30
Wind speed (km/h)	6	6	6	6	6
Wind direction	270	270	310	310	310
Cloud cover	1	1	1	1	4

**Weather Summary/ Alert:**

In the upcoming days no rainfall has been predicted. Maximum & minimum temperature may be 14.0-16.0 degree Celsius & 4.0 degree Celsius, respectively. Wind is expected to blow with a speed of 6 km/hr primarily from the North-West & West direction. Dry weather is likely to remain in the region. A yellow alert regarding ground frost occurrence likely to occur at isolated places in Nainital hills has been predicted for 16th & 17th January, 2024.

**General Advisory:**

A regular update regarding weather forecast and agrometeorological advisory is available 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 trend from 12-18 January. The maximum temperature indicates above normal trend in hills and normal trend in plains while the minimum temperature shows normal trend in the region.

**SMS Advisory:**

An alert regarding ground frost occurrence has been given thus the new seedlings should be protected and appropriate farming measures should be taken up in crops.

**Crop Specific Advisory:**

Crop (Varieties)	Stage	Crop Specific Advisory
Lentil	Vegetative	The crop should be monitored and regular hoeing and weeding operations should be done. Time to time irrigation should be applied. In case of plant rot appropriate fungicide should be applied.
Rapeseed (Lahi/Ghariya)	Vegetative/ flowering	The crop should be monitored regularly and time to time irrigation should be provided. Diseases should be monitored and control

and Yellow Mustard (Rada)		measures should be taken up.
Wheat	Vegetative	In rainfed conditions, weeding and hoeing should be monitored in the crop and time to time irrigation should be provided. Top dressing of urea in case of rainfed crop @ 1.2 kg/ acre and in case of irrigated crop @ 2.0-2.5 kg /acre should be done after irrigation.
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/acre urea top dressing should be done.

### Horticulture Specific Advisory:

Horticulture (Varieties)	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 plastic covers with proper air and water movement.
Vegetable pea	Vegetative	The crop should be monitored and regular hoeing and weeding operations should be done. Time to time irrigation should be applied. In case of plant rot appropriate fungicide should be applied.
Spinach	Vegetative	The crop should be protected by taking up appropriate measures against forecasted cold conditions by applying time to time 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.
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 chaulmoogra paste should be applied along with soil covering.

### Live Stock Specific Advisory

Livestock	Live Stock Specific Advisory
Cow/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.
Sheep/Goat	Keep the delivery chambers of sheep/goats clean and neat.

### Others (Soil/Land Preparation) Specific Advisory

Others (Soil / Land Preparation)(Varieties)	Others (Soil / Land Preparation) Specific Advisory
General Advice	As per the alert of ground frost appropriate measures against cold protection in sapling/seedling and crops should be taken up.