



**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: 19.01.2024**

**Weather Forecast of District NAINITAL (Uttarakhand) Issued On: 2024-01-19 (Valid Till 08:30 IST of the next 5 days)**

Parameter	20/01/2024	21/01/2024	22/01/2024	23/01/2024	24/01/2024
Rainfall (mm)	0.0	0.0	0.0	0.0	0.0
Max Temp (°C)	12.0	12.0	13.0	13.0	13.0
Min Temp (°C)	4.0	4.0	3.0	3.0	3.0
Max RH I (%)	70	65	55	60	60
Min RH II (%)	30	30	25	25	30
Wind speed (km/h)	6	6	6	6	6
Wind direction	320	320	320	320	320
Cloud cover	1	1	1	1	1

**Weather Summary/ Alert:**

In the upcoming days no rainfall has been predicted. Maximum & minimum temperature may be 12.0-13.0 degree Celsius & 3.0- 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 at isolated places in Nainital hills and dense fog occurrence at isolated places in plains of Nainital has been predicted for 19th, 20th & 21st 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 19-25 January. The maximum and minimum temperature indicates normal trend in hills and normal trend in the region. An alert for ground frost occurrence and dense fog has been given so the farming activities should be scheduled accordingly.

**SMS Advisory:**

Ground frost in the hilly regions and dense fog in the plains of Nainital has been predicted thus irrigation should be applied to the crops and small seedlings should be protected from chilling injury

**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/nali and in case of irrigated crop @2.0-2.5 kg /nali 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/nali 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 chaubatia 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.