



Gramin Krishi Mausam Sewa
District Level Agromet Advisory Bulletin
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Agromet Advisory Bulletin

Date: 19.12.2023

Weather Forecast of District NAINITAL (Uttarakhand) Issued On: 2023-12-19 (Valid Till 08:30 IST of the next 5 days)

Parameter	20/12/2023	21/12/2023	22/12/2023	23/12/2023	24/12/2023
Rainfall (mm)	0.0	0.0	0.0	0.0	0.0
Max Temp (°C)	12.0	12.0	13.0	13.0	12.0
Min Temp (°C)	4.0	5.0	6.0	7.0	5.0
Max RH I (%)	70	70	75	75	70
Min RH II (%)	30	30	35	35	30
Wind speed (km/h)	8	6	6	6	6
Wind direction	60	65	65	30	20
Cloud cover	0	6	2	4	1

Weather Summary/ Alert:

In the upcoming days no rainfall has been predicted. Maximum & minimum temperature may be 12.0-13.0 degree Celsius & 4.0-7.0 degree Celsius, respectively. Wind is expected to blow with a speed of 6-8 km/hr from the North-North-East & North-East-East. Dry weather is likely to prevail in the region and likely occurrence of ground frost at isolated places in hills of Kumaon Region of Uttarakhand has been predicted on 19th December 2023. The extended range forecast system indicates no rainfall between 15-21 December and predicts a large deficient trend in rainfall, normal trend in maximum temperature and normal to below normal trend in minimum temperature. All the farming operations should be done keeping the forecast in mind.

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 PlayStore (Android users) and App Center (iOS users). The NDVI composite shows moderate agricultural vigour in the region. Deep plowing of the orchards is must for destroying the mig insect, fruit fly, gujiya weevil and webber insect. Regular hoeing and weeding of the pulse crops should be done. The farming operations should be done keeping the forecast in mind.

SMS Advisory:

The weather is expected to remain dry with ground frost in few regions so the farming activities should be followed accordingly.

Crop Specific Advisory:

Crop (Varieties)	Stage	Crop Specific Advisory
Chickpea/Lentil	Vegetative	The crop should be monitored and regular hoeing and weeding should be done as required.

Rapeseed (Lahi/Ghariya) and Yellow Mustard (Rada)	Vegetative/ flowering	The crop should be monitored regularly. Light irrigation should be applied in valleys and lower hills as per requirement and in case of pest/disease attack, recommended practices should be followed. The farming operations should be done keeping the forecast in mind.
Wheat	Vegetative	In both irrigated and rainfed conditions regular monitoring of the crop and suitable farming practices should be followed and done regularly. The farming operations should be done keeping the forecast in mind.
Barley	Vegetative	The crop should be monitored regularly for hoeing and weeding.

Horticulture Specific Advisory:

Horticulture (Varieties)	Stage	Horticulture Specific Advisory
Onion	Transplanting	Transplanting of onion with prepared seedling can be done in the well manured fields.
Potato	Vegetative	The potato crop in the valleys under frost condition should be irrigated at appropriate intervals. The farming operations should be done keeping the forecast in mind.
Cauliflower	Vegetative	Top dressing of urea should be done in transplanted cauliflower varieties and weeding-hoeing operations should be followed regularly. The farming operations should be done keeping the forecast in mind.
Spinach	Vegetative	In irrigated valley, hoeing should be done in Methi, spinach (Palak) and Coriander after irrigation. The farming operations should be done keeping the forecast in mind.
Apple/pear/peach/plum/ khumani	Tree	Recommended practices should be followed after pruning for diseases prevention in Apple, Pear, Peach, Plum and Khumani.

Live Stock Specific Advisory

Livestock	Live Stock Specific Advisory
Cow	With the changing weather, there is a high chance of Pneumonia in new born babies of animals. So, it is advised that animal shed should be protected from cold and hot food should be given to the animals.
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).

Others (Soil/Land Preparation) Specific Advisory

Others (Soil / Land Preparation)(Varieties)	Others (Soil / Land Preparation) Specific Advisory
General Advice	On occurrence of frost/fog, irrigation should be applied to the fields at regular intervals.