



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 : 31-12-2021

Weather Forecast of NAINITAL(Uttarakhand) Issued On : 2021-12-31(Valid Till 08:30 IST of the next 5 days)

Parameter	2022-01-01	2022-01-02	2022-01-03	2022-01-04	2022-01-05
Rainfall(mm)	0.0	0.0	0.0	0.0	0.0
Tmax(°C)	9.0	11.0	11.0	11.0	12.0
Tmin(°C)	0.0	1.0	1.0	2.0	2.0
RH-I(%)	55	50	50	50	65
RH-II(%)	75	70	70	75	80
Wind Speed(kmph)	6.0	6.0	6.0	6.0	6.0
Wind Direction(Degree)	300	310	310	320	320
Cloud Cover(Octa)	3	2	1	3	3

Weather Summary/Alert:

In the coming five days, weather will remain clear. Maximum & minimum temperature may range from 9.0 to 12.0 deg C & 0.0 to 2.0 deg C respectively. Wind will blow with a speed of 6.0 km/hr from the NW direction. Ground frost likely to occur at a few places in hills on 31 Dec & 1 Jan. As per ERF, the rainfall will be above normal, maximum & minimum temperature will be below normal & normal respectively in the state from 5 to 11 January.

General Advisory:

NDVI & SPI map received from the India Meteorological Department dated indicated that the NDVI ranged between 0.15-0.5 for Nainital i.e. agriculture vigor is moderate in the district and SPI map indicates mildly wet condition from 2 to 29 December in the district. Farmers are advised to download the "Meghdoot App" to get past week weather, weather forecast, and agromet advisory and "Damini App" to get lightning information. Meghdoot and Damini Apps can be downloaded from the google play store (Android users) and App Center (IOS users). There is a forecast of ground frost at few places in hills on 31 December & 1 January. So, apply irrigation, smoking around the field and straw & mulch can be used to protect the crop from cold and frost damage. To save the animals from cold, proper arrangement of animal shed should be done. Gur (Jaggery) with ajwain should be given to the animals without mixing in water. It gives warmth and energy to them.

SMS Advisory:

In coming five days, weather will remain clear but frost at few places likely to occur on 31 Dec & 1 Jan. The farmers are advised to irrigate the crop.

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
MUSTARD	On the occurrence of aphid in the mustard crop, the solution of 50-100g of Thiamethoxam 25 WG in 600-700 lit of water per hectare should be sprayed and to save the crop from cold wave frost irrigation should be given.
WHEAT	Keeping in mind the possibility of frost in the coming days, farmers should apply irrigation to the crop and spray urea after irrigation. Smoking around the field can also be done.
GARLIC	Due to the effect of frost, the leaves of garlic may turn yellow, so to protect it, irrigate the crop and cover the plants with plastic sheets. Spray Tebuconazole @ 1 ml/lit + Prophenophos @ 1 ml/lit.
CHICK PEA	To stop poor growth & premature death of leaves and tendrils in chickpea due to frost, irrigation should be applied.

Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
POTATO	To control the late blight disease in potato, any one mixture of cymoxanil + mancozeb or Dimethomorph+ Mancozeb or Fenamidone + mancozeb @ 3.0 g/liter of water should be sprayed. If the intensity of the disease increases, re-spray any one of the above-mentioned fungicides at an interval of 10-15 days but farmers are requested to use a mixed fungicide for spraying only once. After spraying mixed fungicide, if the intensity of the disease subsides, spray Mancozeb @ 2.5 gm/ liter of water as per requirement. To protect the crop from upcoming weather conditions, irrigate the crop and cover the plants with plastic sheets.
CAPSICUM	In hilly areas, where tomato, capsicum and cucumber are to be cultivated inside the polyhouse, clean and dig the soil and treat with chemicals like formalin.
VEGETABLE PEA	In mid hills which are very much prone to the hail, immediate sowing of Arkel or other early variety of pea should be done. To protect the crop from upcoming frost conditions, irrigate the crop and spray of karathane 1 ml/lit water.
APPLE	To control the fruit Rot disease in apple and seed bearing fruits, soil should be removed from the surrounded area of stem in the affected fruit tree so that sun rays may enter directly in the stem of affected tree. Affected bark should be removed and chaubatia paste should be applied and covered with soil. Keeping in mind the possibility of frost in the coming days, farmers should do light irrigation and smoke around the garden.

Live Stock Specific Advisory:

Live Stock(Varieties)	Live Stock Specific Advisory
BUFFALO	With the changing weather, there is a high chance of Niomonina 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. To protect the animals from cold, Gur (Jaggery) with ajwain should be given to the animals without mixing in water. It gives warmth and energy to them.
COW	With the changing weather, there is a high chance of Niomonina 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. To protect the animals from cold, Gur (Jaggery) with ajwain should be given to the animals without mixing in water. It gives warmth and energy to them.