



**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 : 28-12-2021

**Weather Forecast of UDAMSINGH-NAGAR(Uttarakhand) Issued On : 2021-12-28(Valid Till 08:30 IST of the next 5 days)**

Parameter	2021-12-29	2021-12-30	2021-12-31	2022-01-01	2022-01-02
Rainfall(mm)	6.0	8.0	0.0	0.0	0.0
Tmax(°C)	21.0	19.0	20.0	21.0	21.0
Tmin(°C)	7.0	5.0	5.0	5.0	5.0
RH-I(%)	95	95	95	90	90
RH-II(%)	55	50	45	45	40
Wind Speed(kmph)	6.0	6.0	6.0	6.0	6.0
Wind Direction(Degree)	100	100	120	330	310
Cloud Cover(Octa)	6	1	5	5	1

### Weather Summary/Alert:

In the last seven days (21 – 27 December, 2021), there was 0.0 mm rain and the sky was clear to cloudy. The maximum & minimum temperatures ranged between 20.5 to 24.0°C and 3.4 to 10.9°C respectively. Relative humidity ranges from 77 to 94 % at 0712 hrs and 29 to 56 % at 1412 hrs. The wind was mainly from the ENE & WSW with a speed of 0.7 to 2.6 km/hour. In the coming five days, light rain may likely occur on 28 & 29 December and weather will remain clear in the remaining days. Maximum & minimum temperature may range from 19.0 to 21.0 deg C & 5.0 to 7.0 deg C respectively. Wind will blow with a speed of 6.0 km/hr from the NW & ESE direction. As per ERF, the rainfall will be above normal, maximum & minimum temperature will be below normal & normal respectively in the state from 2 to 8 January.

### General Advisory:

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). NDVI & SPI map received from the India Meteorological Department dated indicated that the NDVI ranged between 0.2-0.4 for U S Nagar i.e. agriculture vigor is moderate in the district and SPI map indicates mildly wet condition from 25 November to 22 December in the district. To save the animals from cold, proper arrangement of animal shed should be done.

### SMS Advisory:

In the coming 5 days, light rain may likely occur on 28 & 29 December and weather will remain clear in the remaining days. Spraying of chemicals & irrigation should be done based on weather forecast.

**Crop Specific Advisory:**

<b>Crop(Varieties)</b>	<b>Crop Specific Advisory</b>
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. Spraying of chemicals should be done in clear weather.
WHEAT	It is advised that wheat crop should not be sown in the month of January because wheat sowing during this period causes the yield reduction of 60-65Kg/Ha/day and hot wind during ripening stage of crop causes thinning of wheat grain.

**Horticulture Specific Advisory:**

<b>Horticulture(Varieties)</b>	<b>Horticulture Specific Advisory</b>
TOMATO	On the occurrence of tospovirus in tomato, remove the affected plant/parts and spray systemic insecticides periodically. Spraying of chemicals should be done in clear weather.
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.
GUAVA	To protect guava from canker disease, after fruiting, spray copper hydroxide at 2 gm per liter. Injury to the fruit can be prevented by using foam net while bagging the fruit after 50 days of berry shaped flowering.

**Live Stock Specific Advisory:**

<b>Live Stock(Varieties)</b>	<b>Live Stock Specific Advisory</b>
BUFFALO	Toxocara vitulorum (patera) are found in the food tube of buffalo calf in the age of 1-4 month. More than 50% buffalo calf should be died because of delay in treatment. Piperazine should be given to the infected calf on identification of Patera disease. To save the buffalo calf from patera disease, 10-15Cc Neem oil should be given to the calf immediately after 10 days of his birth. Again after 10 days, 10-15 CC Neem oil should be given. Chenopodium album oil can also be given as a fodder to animals to save the calf/animals from patera disease.
COW	With the changing weather, there is a high chance of Niomoniasis 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.