



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 UDAMSINGH-NAGAR(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)	21.0	22.0	21.0	22.0	23.0
Tmin(°C)	5.0	4.0	4.0	5.0	7.0
RH-I(%)	95	95	90	90	95
RH-II(%)	60	55	55	55	60
Wind Speed(kmph)	6.0	6.0	6.0	6.0	6.0
Wind Direction(Degree)	300	310	310	320	320
Cloud Cover(Octa)	4	1	1	3	4

Weather Summary/Alert:

In the last seven days (24 – 30 December, 2021), there was 0.0 mm rain and the sky was clear to cloudy. The maximum & minimum temperatures ranged between 17.5 to 24.0°C and 6.2 to 11.0°C respectively. Relative humidity ranges from 77 to 94 % at 0712 hrs and 32 to 66 % at 1412 hrs. The wind was mainly from the ENE & WSW with a speed of 0.7 to 3.0 km/hour. In the coming five days, weather will remain clear. Maximum & minimum temperature may range from 21.0 to 23.0 deg C & 4.0 to 7.0 deg C respectively. Wind will blow with a speed of 6.0 km/hr from the NW direction. Moderate to dense fog likely to occur during morning hours in some parts of plains on 1 January. Cold wave condition may likely to occur on 31 December & 1 January. 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 0.15-0.4 for U S Nagar 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). 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 moderate to dense fog likely to occur during

morning hours in some parts of plains on 1 January.

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
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. Keeping in mind the possibility of cold wave in the coming days, farmers should apply irrigation to the crop and spray urea after irrigation. Smoking around the field can also be done.
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 irrigation should be given.
BARLEY	In low-lying areas, due to the effect of cold wave, the leaves of barley can turn yellow, so to avoid this, apply light irrigation to the crop.
CHICK PEA	Agronomic practices like weeding & hoeing should be done in the crop. In case of cold wave & frost, to stop poor growth & premature death of leaves and tendrils in chickpea, irrigation should be applied.
GARLIC	In case of yellowing of leaves of garlic, spray Tebuconazole @ 1 ml/Lit + Profenophos @ 1 ml. Spray Tebuconazole @ 1 ml/lit + Prophenophos @ 1 ml/lit.

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.
TOMATO	On the occurrence of fruit borer in the Tomato, fruit should be used only after 3 days and 5 days of spraying of Chlorantraniliprole 18.5 SC @ 150ml/Ha and Indoxacarb 14.5 SC @ 500ml/Ha respectively. To protect the crop from cold wave conditions, irrigate the crop.
CHILLI	To protect the crop from cold conditions, irrigate the crop.
CAULIFLOWER	There is a forecast of cold wave & frost on 31 Dec & 1 Jan & it can cause the poor growth in crop. So, to protect the crop, irrigate the crop and cover the plants with plastic sheets.

Live Stock Specific Advisory:

Live Stock(Varieties)	Live Stock Specific Advisory
BUFFALO	With the changing weather, there is a high chance of Niomonias 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 Niomonias 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.