



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 : 17-12-2021

Weather Forecast of UDAMSINGH-NAGAR(Uttarakhand) Issued On : 2021-12-17(Valid Till 08:30 IST of the next 5 days)

Parameter	2021-12-18	2021-12-19	2021-12-20	2021-12-21	2021-12-22
Rainfall(mm)	0.0	0.0	0.0	0.0	0.0
Tmax(°C)	22.0	22.0	22.0	21.0	22.0
Tmin(°C)	3.0	2.0	2.0	3.0	3.0
RH-I(%)	85	85	80	80	80
RH-II(%)	50	50	45	45	40
Wind Speed(kmph)	6.0	6.0	6.0	6.0	6.0
Wind Direction(Degree)	310	310	320	320	320
Cloud Cover(Octa)	1	2	1	1	1

Weather Summary/Alert:

In the last seven days (10 – 16 December, 2021), there was 0.0 mm rain and the sky was clear. The maximum & minimum temperatures ranged between 21.6 to 24.2°C and 5.3 to 10.0°C respectively. Relative humidity ranges from 66 to 94 % at 0712 hrs and 30 to 52 % at 1412 hrs. The wind was calm & run mainly from the WNW with a speed of 0.6 to 3.4 km/hour. In the coming five days, weather will remain clear. Maximum & minimum temperature may range from 21.0 to 22.0 deg C & 2.0 to 3.0 deg C respectively. Wind will blow with a speed of 4.0-6.0 km/hr from the NW direction. Cold wave condition and frost likely to occur at isolated places in the coming five days. As per ERF, the rainfall will be above normal, maximum & minimum temperature will be below normal in the state from 22 to 28 December.

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 0.1-0.4 for U S Nagar i.e. agriculture vigor is moderate in the district and SPI map indicates mildly wet condition from 18 November to 15 December in the district. Wheat crop stays in the field for less time in late condition, so use less amount of fertilizer. Apply 80 kg nitrogen, 40 kg phosphorus and 40 kg potash per hectare. 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).

SMS Advisory:

Weather will remain clear and cold wave condition and frost likely to occur at isolated places in coming days. The farmers are advised to irrigate the crop on the occurrence of frost.

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
WHEAT	Farmers who have completed sowing in the last week of November should do light irrigation keeping in view the weather forecast.
WHEAT	Late sowing of wheat must be completed by 25 December otherwise yield decreases significantly. Delay in sowing due to decrease in temperature has adverse effect on germination and growth, so increase seed rate by 25 percent more seed i.e. 125 kg/ha and in coarse grain varieties by 25 percent in addition to seed rate.
CHICK PEA	Weeding and hoeing should be done in the crop sown in the last month.
PIGEON PEA (RED GRAM/ARHAR)	Farmers are advised to do light irrigation in the crop if there is a shortage of moisture in the field.
SUGARCANE	Keeping in mind the possibility of cold wave and frost in the coming days, the farmers should do the hoeing in the sugarcane crop so that the proper circulation of air and temperature should be maintained.
MAIZE	Farmers who have planted rabi crop of maize and if two to three leaves have come out from the bottom of them, then keeping in mind the upcoming season, do light irrigation and if moisture remains in the field, then do the hoeing.

Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
POTATO	Early blight disease is being seen in potato and the upcoming season is also favorable for it. Therefore, farmers are advised to spray Mancozeb at the rate of 2.5 g/L immediately.
VEGETABLE PEA	Weeding and hoeing should be done in the crop after 20-25 days of sowing.
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 or Indoxacarb 14.5 SC @ 500ml/Ha respectively.
PAPAYA	To save the newly transplanted seedlings of Papaya and Litchi from frost, dry straw should be collected and plants should be covered by them.
MANGO	Collect the dry straw and newly transplanted plant of mango should be covered by them to save the plants from frost.

Live Stock Specific Advisory:

Live Stock(Varieties)	Live Stock Specific Advisory
BUFFALO	Cold wave condition likely to occur at isolated places in the coming five days. So, to save the animals from cold, proper arrangement of animal shed should be done. • To save the animal from cold, dry grasses, paddy residue (Puwal) etc which are not used as fodder for animals should be used as a bedding material for animals in sheds. Door and window should be covered properly so that cold wind could not be entered in the animal shed. Sitting place of animals should be leveled. Vaccination should be given to the animals to save them from Rinderpest disease (Sheetla rog). 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.

Live Stock(Varieties)	Live Stock Specific Advisory
COW	Cold wave condition likely to occur at isolated places in the coming five days. So, to save the animals from cold, proper arrangement of animal shed should be done. • To save the animal from cold, dry grasses, paddy residue (Puwal) etc which are not used as fodder for animals should be used as a bedding material for animals in sheds. Door and window should be covered properly so that cold wind could not be entered in the animal shed. Sitting place of animals should be leveled. Vaccination should be given to the animals to save them from Rinderpest disease (Sheetla rog). 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.

Poultry Specific Advisory:

Poultry(Varieties)	Poultry Specific Advisory
HEN	There is a chance of Aflatoxicosis disease in Poultry due to occurrence of fungus in the food which causes to death of poultry birds. So, medicine should be administered to the poultry birds only on the advice of veterinarian.