



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 : 21-12-2021

Weather Forecast of UDAMSINGH-NAGAR(Uttarakhand) Issued On : 2021-12-21(Valid Till 08:30 IST of the next 5 days)

Parameter	2021-12-22	2021-12-23	2021-12-24	2021-12-25	2021-12-26
Rainfall(mm)	0.0	0.0	0.0	0.0	0.0
Tmax(°C)	21.0	22.0	23.0	23.0	22.0
Tmin(°C)	3.0	3.0	4.0	5.0	6.0
RH-I(%)	80	80	85	85	90
RH-II(%)	60	60	65	65	65
Wind Speed(kmph)	6.0	6.0	6.0	6.0	6.0
Wind Direction(Degree)	320	320	100	130	130
Cloud Cover(Octa)	1	1	1	2	4

Weather Summary/Alert:

In the last seven days (14 – 20 December, 2021), there was 0.0 mm rain and the sky was clear to dense cloudy. The maximum & minimum temperatures ranged between 14.0 to 24.0°C and 2.4 to 6.5°C respectively. Relative humidity ranges from 91 to 97 % at 0712 hrs and 30 to 77 % at 1412 hrs. The wind was mainly from the WNW with a speed of 0.6 to 5.4 km/hour. In the coming five days, weather will remain clear. Maximum & minimum temperature may range from 21.0 to 23.0 deg C & 3.0 to 6.0 deg C respectively. Wind will blow with a speed of 6.0 km/hr from the NW & ESE direction. Cold wave condition and frost likely to occur at isolated places on 21, 22 and 23 December. As per ERF, the rainfall will be above normal, maximum & minimum temperature will be Moderately below normal & normal in the state from 26 December to 1 January. There is also a possibility of a western disturbance to form on 27th of December, as a result of which rain and snowfall at hills can be seen at some isolated places from December 27 to 29.

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). There is a possibility of cold wave and frost at some places in the coming days, so light irrigation can be done in the crop and to protect the crop from frost, straw and mulch can be used to cover the crop. 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:

In coming five days, weather will remain clear but cold wave and frost likely to occur at isolated places on 21,22 & 23 Dec. 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. To control the weed in the wheat, first and second weeding and hoeing should be done after 25-30 days and 45-50 days of sowing respectively.
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.
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.
GARLIC	In the coming days, there is a possibility of cold wave and frost at some isolated places, due to which the leaves of garlic may turn yellow, so light irrigation should be given to the garlic crop.

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/lit immediately.
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.
PAPAYA	To save the newly transplanted seedlings of Papaya from frost, dry straw should be collected and plants should be covered by them.
LITCHI	To save the newly transplanted seedlings of Litchi from frost, dry straw should be collected and plants should be covered by them. On the occurrence of leaf curl mite, prun and burn infested parts then spray chlorfenapyr or propargite @3ml/lit. For mite, immediate action require.
MANGO	Collect the dry straw and newly transplanted plant of mango should be covered by them to save the plants from frost.
CAULIFLOWER	On 21, 22 and 23 December, in view of the possibility of cold wave and frost at some isolated places, give light irrigation to the Cole crops.
CHILLI	In the coming days, in view of the possibility of cold wave and frost at some places, give light irrigation to the chilli crop.

Live Stock Specific Advisory:

Live Stock(Varieties)	Live Stock Specific Advisory
-----------------------	------------------------------

Live Stock(Varieties)	Live Stock Specific Advisory
BUFFALO	Cold wave condition likely to occur at isolated places on 21, 22 & 23 Dec. 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.