



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 : 04-01-2022

Weather Forecast of UDAMSINGH-NAGAR(Uttarakhand) Issued On : 2022-01-04(Valid Till 08:30 IST of the next 5 days)

Parameter	2022-01-05	2022-01-06	2022-01-07	2022-01-08	2022-01-09
Rainfall(mm)	1.0	8.0	3.0	0.0	12.0
Tmax(°C)	21.0	17.0	19.0	19.0	17.0
Tmin(°C)	10.0	10.0	7.0	8.0	6.0
RH-I(%)	95	95	80	70	85
RH-II(%)	65	65	60	60	65
Wind Speed(kmph)	6.0	6.0	6.0	6.0	12.0
Wind Direction(Degree)	300	100	120	120	100
Cloud Cover(Octa)	4	7	4	6	7

Weather Summary/Alert:

In the last seven days (28 Dec, 2021 – 3 Jan, 2022), there was 0.0 mm rain and the sky was clear to dense cloudy. The maximum & minimum temperatures ranged between 17.5 to 24.0°C and 4.9 to 11.0°C respectively. Relative humidity ranges from 88 to 97 % at 0712 hrs and 26 to 71 % at 1412 hrs. The wind was mainly from the WNW & WSW with a speed of 1.2 to 3.8 km/hour. Very light to light rain may occur from 4 to 6 Jan and on 8 Jan. Maximum & minimum temperature may range from 17.0 to 21.0 deg C & 6.0 to 10.0 deg C respectively. Wind will blow with a speed of 6.0-13.0 km/hr from the WNW & ESE direction. Cold day condition likely to occur at isolated places on 5 & 6 January. As per ERF, the rainfall will be above normal, maximum & minimum temperature will be below normal & normal respectively in the state from 9 to 15 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). 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. There is a possibility of rain in the coming days and after that temperature will drop & it can have an adverse effect on the vegetable crops, for which you can smoke around the field.

SMS Advisory:

Very light to light rain may occur from 4 to 6 Jan and on 8 Jan. Cold day condition likely to occur at isolated places on 5 & 6 January.

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
WHEAT	In view of the possibility of rain in the coming days, which is good for crop so do not irrigate the crop. Temperature will fall after rain so it is possible that the leaves may turn yellow. Therefore, if the leaves turn yellow, spray 2 percent urea and 0.5 percent zinc in clear weather. 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.
MUSTARD	There is a possibility of rain in coming days and thereafter cold day condition may occur, so to save the crop from very low temperature smoking around the field should be done. 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 in clear weather.
CHICK PEA	In case of cold day condition after rainfall, smoking around the field can also be done to stop poor growth & premature death of leaves and tendrils in chickpea.
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 in clear weather.
RAPSEED	There is a possibility of rain in the coming days, so the farmers are advised to keep the harvested crop of Lahi in a safe place.

Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
POTATO	There is a possibility of rain in the coming days, after which the temperature will drop, due to which the outbreak of scorch disease in potatoes can increase. Therefore, 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	On the occurrence of mealybugs Planococcus or Ferrisia Virgata, spray Buprofezine @ 2 ml/litre or Imidacloprid 17, 8 SL or Thiamethoxam 25 WDG @ 2g/5 litre water. Spray when the weather is clear.

Live Stock Specific Advisory:

Live Stock(Varieties)	Live Stock Specific Advisory
BUFFALO	In case of more number of flies observed on buffalo, mix 10 grams ground camphor in 100 ml coconut oil and beat, then apply four times a day. 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	If there is an attack of parasitic mites or lice in pregnant cows, then Rx Botox @ 15ml/ 7 litre of water should be applied with the help of cotton cloth. 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.