



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 : 07-01-2022

Weather Forecast of UDAMSINGH-NAGAR(Uttarakhand) Issued On : 2022-01-07(Valid Till 08:30 IST of the next 5 days)

Parameter	2022-01-08	2022-01-09	2022-01-10	2022-01-11	2022-01-12
Rainfall(mm)	2.0	15.0	10.0	8.0	5.0
Tmax(°C)	24.0	21.0	23.0	23.0	23.0
Tmin(°C)	12.0	11.0	10.0	8.0	6.0
RH-I(%)	95	90	90	85	85
RH-II(%)	70	65	60	60	60
Wind Speed(kmph)	10.0	10.0	8.0	6.0	6.0
Wind Direction(Degree)	120	130	130	330	330
Cloud Cover(Octa)	4	7	4	3	2

Weather Summary/Alert:

In the last seven days (31 Dec, 2021 – 6 Jan, 2022), there was 22.2 mm rain and the sky was p-cloudy to dense cloudy. The maximum & minimum temperatures ranged between 17.0 to 21.5°C and 4.9 to 12.9°C respectively. Relative humidity ranges from 88 to 97 % at 0712 hrs and 42 to 74 % at 1412 hrs. The wind was mainly from the WNW & WSW with a speed of 1.5 to 3.9 km/hour. Very light to light rain may occur in the coming five days. Maximum & minimum temperature may range from 21.0 to 24.0 deg C & 6.0 to 12.0 deg C respectively. Wind will blow with a speed of 6.0-10.0 km/hr from the NW & SE direction. There is a warning of thunderstorm, lightening and hail on 8 Jan. As per ERF, the rainfall will be above normal, maximum & minimum temperature will be below normal & normal respectively in the state from 12 to 18 January.

General Advisory:

Yellow alert for thunderstorm, lightening and hail on 8 Jan has been issued by IMD. So farmers are advised to be updated and it is advised to - 1) Avoid Irrigation. 2) Avoid application of Fertilizers and Insecticides. 3) Don't keep harvested crop in open. 4) Avoid going to low lying areas, rivers and other water bodies. 5) Avoid venturing into water logged areas. Don't stand near weak structures. 6) Drive carefully during rain. 7) Avoid taking shelter under trees during thunder and lightning. 8) Don't go near water bodies. 9) Farming operations may be suspended during these events. 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:

There is a forecast of very light to light rain with a warning of thunderstorm, lightening and hail activity on 8 Jan. Gur (Jaggery) with ajwain should be given to the animals without mixing in water.

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.
MUSTARD	There is a possibility of rain in coming days and thereafter cold day condition may occur & mustard leaves may turn black due to low temperature. Farmers are advised to Keep the harvested produce in safe place. On increasing the outbreak 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.
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.
CHICK PEA	In view of the forecast of rain, safe drainage should be maintained in the field.

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, spray fungicide like Mancozeb @ 2.5gm/litre.
ONION	Onion leaves can turn yellow due to the effect of cold, so to prevent this, cover the plants with plastic sheets and keeping in the rainfall forecast, make proper drainage arrangements in the field.
VEGETABLE PEA	On January 8, in view of the possibility of rain, thunder and hailstorm, the crop may fall, so harvested crop should be kept it in a safe place. Spray Karathane @ 1 ml/litre of water in clear weather.

Live Stock Specific Advisory:

Live Stock(Varieties)	Live Stock Specific Advisory
BUFFALO	In view of the current & upcoming weather event, provide proper shelter to the livestock especially for new born babies. Don't let the animals go outside during hail & lightning activity. Close window & doors. Provide safe shelter to the animals and don't keep them under trees. Keep animals away from open water.
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. In view of the current & upcoming weather event, provide proper shelter to the livestock especially for new born babies. Don't let the animals go outside during hail & lightning activity. Close window & doors. Provide safe shelter to the animals and don't keep them under trees. Keep animals away from open water.

Poultry Specific Advisory:

Poultry(Varieties)	Poultry Specific Advisory
CHICK	Chicks are very sensitive to cold, provide proper food to them and maintain proper source of heat.