



Gramin Krishi Mausam Sewa
Agromet Advisory Bulletin for UDAMSINGH-NAGAR
District
Govind Ballabh Pant University of Agriculture & Technology
Udham Singh Nagar, Pantnagar, Uttarakhand



Agromet Advisory Bulletin

Date : 2025-12-30

Weather Forecast of District UDAMSINGH-NAGAR (Uttarakhand) Issued On : 2025-12-30 (Valid Till 08:30 IST of the next 5 days)

Parameter	2025-12-31	2026-01-01	2026-01-02	2026-01-03	2026-01-04
Rainfall(mm)	0.0	0.0	0.0	0.0	0.0
Tmax(°C)	15.0	15.5	16.0	16.5	16.0
Tmin(°C)	10.0	9.9	10.1	9.9	9.2
RH-I(%)	71	71	68	70	74
RH-II(%)	40	42	39	37	42
Wind Speed(kmph)	7	3	5	6	6
Wind Direction(Degree)	301	34	14	280	349
Cloud Cover(Octa)	0	1	1	0	0
Warning	Cold Day; Fog	Fog	Fog	Fog	Fog

Forecast Summary:

In the last seven days (23 to 29 December) 0.0 mm rainfall was recorded with maximum and minimum temperatures ranging between 12.8 to 21.0°C and 6.1 to 10.5°C. During the last week most days experienced dense fog and cold days. Morning relative humidity at 0712 hrs ranged between 93 to 100% and evening relative humidity at 1412 hrs ranged between 61 to 98%. Wind speed was 0.6 to 2.2 km per hour and wind direction was mostly west, east-south-east, south-south-west, west-south-west and north-north-west. The upcoming 5 days forecast shows no rainfall but cold days with severely dense fog from 30 December to 3 January. The maximum and minimum temperature, respectively is expected to range between 15.0-16.5 degree celsius and 9.2-10.1 degree celsius. The wind is expected to blow at a speed of 5-7 kmph in the direction north-west-west, north-north-west, south-east, west-north and north-west. Dense fog and cold day condition is likely to occur at isolated places in during the upcoming week from 30 December to 3 January for which yellow warning has been issued.

Weather Warnings (Valid Till 08:30 IST of the next day)

Yellow warning has been issued regarding the cold days and dense fog in the upcoming week.

Likely impacts of weather warnings on Agriculture and associated Agromet advisories

The cold days and dense fog is harmful for the crops so light irrigation should be applied to maintain temperatures. Maintain temperature in potato crop and disease/pest control measures should be followed as the weather is suitable for the occurrence of pest/disease in the potato crop.

General Advisory:

The farmers and other related community can download the "Mausam" app for regular weather information and rainfall alerts. Other apps like "Meghdoot" and "Damini" are also available for regular update of meteorological and lightning data, respectively. All the apps can be easily downloaded from

Google Play Store (Android users) and App Centre (iOS users). The Extended Range Forecast System shows deficient rainfall and above normal maximum and minimum temperature.

SMS Advisory:

As per IMD, dense fog and cold days are expected ahead so suitable farming arrangements to maintain temperature in field and in animal shed is required to avoid any losses due to cold.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
CHICK PEA (Flowering)	Irrigation is important at critical stages as flowering and pod formation so it should be done as required.
LENTIL (Flowering)	Irrigation is important at critical stages as flowering and pod formation so it should be done as required.
RAPESEED (Flowering)	In case of flowering and pod formation stage, irrigation should be applied in the late sown crop. To control the aphid pest, apply Dimethoate 30 EC @500 ml when the pest is found above the economic threshold level (26-28 aphids per 10 cm upper branch of the stem on 10-15 plants) or Thiamethoxam 25 WG @100 g mixed in 600-700 liters of water per hectare should be sprayed at an interval of 10 days. When 75% pods attain golden colour in the September sown crop then harvest the crop.
MUSTARD (Flowering)	In case of flowering and pod formation stage, irrigation should be applied in the late sown crop. To control the aphid pest, apply Dimethoate 30 EC @500 ml when the pest is found above the economic threshold level (26-28 aphids per 10 cm upper branch of the stem on 10-15 plants) or Thiamethoxam 25 WG @100 g mixed in 600-700 liters of water per hectare should be sprayed at an interval of 10 days. When 75% pods attain golden colour in the September sown crop then harvest the crop.
WHEAT (Vegetative)	Late sowing of wheat reduces the yield due to heat stress condition experienced during the ripening stage. Light irrigation should be applied as required to save cold damage.
BARLEY (Vegetative)	Regular monitoring with weeding and hoeing operations should be carried out in the crop. Irrigation should be applied as required to save cold damage.
SUGARCANE (Vegetative)	Regular monitoring of the crop and irrigation application should be done under frost/fog condition.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
CAULIFLOWER (Vegetative)	Light irrigation should be given in the cauliflower. To control the leaf spot disease in cole crops, mancozeb 75 WP should be applied 2-3 times.
ONION (Transplanting)	Transplanting of onion should be completed till 15 January. Line to line and plant to plant distance should be 15 and 10 cm, respectively.
VEGETABLE PEA	Along with the intercultural operations, recommended chemical applications for stem fly and leaf minor should be followed.
TOMATO (Vegetative)	The crop should be checked for disease transferring insects and controlled accordingly.
CHILLI (Vegetative)	The crop should be checked for disease transferring insects and controlled accordingly.
POTATO (Vegetative)	To control the late blight disease in potato, it is advised that solution of Mancozeb@ 2.5g/liter of water should be applied. Light irrigation should be applied as required by the crop.

Live Stock Specific Advisory:

Live Stock	Live Stock Specific Advisory
BUFFALO	To save the animal from cold, increase the amount of oil and Jaggery (Gur) in the food of animals. Caraway (Ajwain) and gur also be given to the animals. To save the animals from cold, proper arrangement of animal shed should be

Live Stock	Live Stock Specific Advisory
	done. Vaccination should be given to the animals to save them from Rinderpest disease (Sheetla rog).
COW	To save the animal from cold, increase the amount of oil and Jaggery (Gur) in the food of animals. Caraway (Ajwain) and gur also be given to the animals. 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).

Likely impacts of weather warnings (General)

Fog/frost occurrence can cause cold damage in crops and prevalence of insect/pest attack might increase. Potato crop is at sensitive stage to pest/disease occurrence as the weather conditions are suitable for late blight disease occurrence.

Impact based advisories (General)

Light irrigation should be applied to the crop to save from frost/fog damage and regular monitoring of the potato crop should be done to prevent damage by disease/pest.

Farmers are advised to download Unified “Mausam” and "Meghdoot" android application on mobile for Weather forecast and weather based Agromet Advisories and "Damini" android application for forecast of Thunderstorm and lightening.

Mausam MobileApp link: <https://play.google.com/store/apps/details/>

Meghdoot MobileApp link: <https://play.google.com/store/apps/details/>

Damini MobileApp link : <https://play.google.com/store/apps/details/>

