



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 : 2025-12-19

Weather Forecast of District UDAMSINGH-NAGAR (Uttarakhand) Issued On : 2025-12-19 (Valid Till 08:30 IST of the next 5 days)

Parameter	2025-12-20	2025-12-21	2025-12-22	2025-12-23	2025-12-24
Rainfall(mm)	0.0	0.0	0.0	0.0	0.0
Tmax(°C)	20.0	20.0	19.0	21.0	22.0
Tmin(°C)	7.0	7.0	8.0	7.0	6.0
RH-I(%)	72	73	74	74	76
RH-II(%)	45	40	47	42	43
Wind Speed(kmph)	5	5	4	6	5
Wind Direction(Degree)	340	300	135	300	290
Cloud Cover(Octa)	1	4	4	2	1
Warning	Cold Day; Fog	Fog	No Warning	No Warning	Fog

Forecast Summary:

In the last seven days (12 to 18 December) 0.0 mm rainfall was recorded with maximum and minimum temperatures ranging between 15.2 to 25.2°C and 6.8 to 11.0°C. During the last week most days were foggy. Morning relative humidity at 0712 hrs ranged between 94 to 100% and evening relative humidity at 1412 hrs ranged between 39 to 82%. Wind speed was 1.0 to 3.0 km per hour and wind direction was mostly east-south-east, west-north-west, west-south-west and south-south-west. The upcoming 5 days forecast shows no rainfall but dense to severely dense fog with cold day conditions is expected on 19 December while yellow warning regarding dense fog has been issued for 20 and 23 December. The maximum and minimum temperatures would range from 19.0-22.0 degrees Celsius and 6.0-8.0 degrees Celsius. Winds with a speed of 4-6 kmph would mostly blow from North-west-north, north-north-west, South-East, north-west and north-west-west direction. Orange warning regarding cold day and severe fog has been issued for 19 December and yellow warning has been issued regarding dense fog for 20 and 23 December.

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

Orange warning regarding dense to severe fog with cold day conditions on 19 December and yellow warning regarding shallow to dense fog on 20 and 23 December.

Likely impacts of weather warnings on Agriculture and associated Agromet advisories

Cold days are expected ahead so light irrigation should be provided if required to prevent damage due to frost or fog.

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 shows deficient pattern for rainfall and above normal maximum and minimum temperature trend during 19.12.2025 to 25.12.2025.

SMS Advisory:

As per IMD, cold day with dense fog conditions is expected on 19 December and moderate to severe fog is expected on 20 and 23 December so light irrigation should be applied to avoid damage.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
CHICK PEA (Vegetative)	The crop should be regularly monitored and hoeing and weeding operations should be carried out at appropriate intervals.
LENTIL (Vegetative)	The crop should be regularly monitored and hoeing and weeding operations should be carried out at appropriate intervals.
RAPSEED (Vegetative)	In case of flowering and pod formation stage, irrigation should be applied in the late sown crop. In case of disease/pest occurrence recommended practices should be followed. When 75% pods attain golden colour in the September sown crop then harvest the crop.
MUSTARD (Vegetative)	In case of flowering and pod formation stage, irrigation should be applied in the late sown crop. In case of disease/pest occurrence recommended practices should be followed. When 75% pods attain golden colour in the September sown crop then harvest the crop.
WHEAT (Seedling Growth)	The top dressing in timely sown crop after 3-4 days should be done during afternoon. Regular hoeing and weeding should be done at 25-30 days and 45 50 days interval. The late sowing of wheat should be completed till 25 December. Late sown wheat is affected by the sudden fall in temperature so the followed seed rate should be increased by 25%.
BARLEY (Seedling Growth)	Regular monitoring of the crop should be done and hoeing and weeding operations should be performed after 25-30 days.
SUGARCANE (Vegetative)	Autumn sugarcane should be regularly monitored and irrigation should be applied as required. Hoeing and weeding operations should also be carried out.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
CAULIFLOWER (Seedling Growth)	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. Hot water seed treatment should be used to control the disease.
VEGETABLE PEA (Vegetative)	Along with the intercultural operations recommended chemical applications for stem fly and leaf minor should be followed.
TOMATO (Vegetative)	On the shrinkage or getting piebald of upper leaves of tomato/chilli, infected plants should be removed and destroyed. The crop should be checked for disease transferring insects and controlled accordingly.

Live Stock Specific Advisory:

Live Stock	Live Stock Specific Advisory
COW	With the changing weather, there is a high chance of Pneumonia 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.
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 done. Vaccination should be given to the animals to save them from Rinderpest disease (Sheetla rog).

Likely impacts of weather warnings (General)

Cold days are expected ahead which might cause damage to the vegetable crops.

Impact based advisories (General)

Light irrigation should be provided if required to prevent damage due to frost or fog.

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>