



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 : 2026-01-16

Weather Forecast of District UDAMSINGH-NAGAR (Uttarakhand) Issued On : 2026-01-16 (Valid Till 08:30 IST of the next 5 days)

Parameter	2026-01-17	2026-01-18	2026-01-19	2026-01-20	2026-01-21
Rainfall(mm)	0.0	0.0	0.0	0.0	0.0
Tmax(°C)	11.0	12.0	13.0	13.0	13.0
Tmin(°C)	2.0	2.0	2.0	3.0	3.0
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)	300	170	160	170	290
Cloud Cover(Octa)	2	2	2	2	2
Warning	Cold wave; Cold Day; Fog	Cold Day; Fog	Fog	Fog	Fog

Forecast Summary:

In the last seven days (9 to 15 January) 0.0 mm rainfall was recorded with maximum and minimum temperatures ranging between 11.2 to 22.5°C and 1.1 to 6.2°C, respectively. During the last week most days experienced dense fog during morning hours with extremely cold days. Dry cold day conditions persisted last week. Morning relative humidity at 0712 hrs ranged between 97 to 100% and evening relative humidity at 1412 hrs ranged between 42 to 92%. Wind speed was 2.4 to 5.6 km per hour and wind direction was mostly west-south-west, west-north-west and west. The upcoming 5 days forecast shows no rainfall but cold wave condition with dense fog and cold day is predicted for 16 & 17 January while dense fog is expected from 16 to 20 January. The maximum and minimum temperature, respectively is expected to range 16.0-18.0 degree celsius and 5.0-6.0 degree celsius. The wind is expected to blow at a speed of 4-6 kmph in the direction north-west-west, south-east, south-south-east and west-north-west. Dense fog is likely to occur at isolated places during the upcoming week from 16 to 20 January for which yellow and orange warning has been issued. For 16 and 17 January, orange warning regarding cold wave, cold day and dense fog condition has been predicted.

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

Yellow and orange alert has been issued regarding occurrence of cold wave, cold day conditions with dense fog on 16 and 17 January while dense fog conditions would continue after that from 18 to 20 January.

Likely impacts of weather warnings on Agriculture and associated Agromet advisories

Damage to crops and flowers, damage to fresh seedlings and occurrence of disease/pests under this weather. Irrigation should be applied to the crops and mulches should be used to regulate the temperature while protected nets and plastic cover can be used to protect the fresh seedlings.

General Advisory:

The weather forecast and agrometeorological advisory is regularly updated on the "Meghdoor App" and "Damini App" is also available to get lightning information. Meghdoor and Damini apps can be downloaded from Google Play Store (Android users) and App Center (iOS users). The extended range forecast system indicates large deficient rainfall trend with above normal maximum and normal minimum temperature trend.

SMS Advisory:

As per IMD, cold wave, cold day conditions with dense fog has been predicted so suitable farming practices like application of light irrigation to the crops and use of protective nets should be used.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
CHICK PEA (Vegetative)	Regular monitoring of the crop should be done for disease/pest attack and weed infestation. Hoeing-weeding operations should be taken up and aphid attack should be controlled chemically or by other eco friendly methods. For any chemical application noon hours should be selected when leaves are dry.
LENTIL (Vegetative)	Regular monitoring of the crop should be done for disease/pest attack and weed infestation. Hoeing-weeding operations should be taken up and aphid attack should be controlled chemically or by other eco friendly methods. For any chemical application noon hours should be selected when leaves are dry.
RAPESEED (Flowering)	In case of late sown rapeseed harvesting should be done at maturity while in case of mustard (Rai) irrigation should be applied at flowering and pod formation. Regular monitoring of mustard for pest and disease attack should be done and recommended practices for control should be followed. In case of alternaria blight Mancozeb 75% @2kg/ha in 800 1000 litre water should be sprayed 2-3 times at an interval of 10 days and in case of white rust occurrence spray of Metalaxyl 35 WS or Ridomil MZ 72 @ 2.5kg/ha in 800 1000 litre water should be sprayed 2-3 times at an interval of 10 days. Downy mildew disease can be treated using Metalaxyl 35 WS or Ridomil MZ 72 @ 2kg/ha in 500 litre water which can be sprayed 1-2 times. For any chemical application noon hours should be selected when leaves are dry.
MUSTARD (Flowering)	In case of late sown rapeseed harvesting should be done at maturity while in case of mustard (Rai) irrigation should be applied at flowering and pod formation. Regular monitoring of mustard for pest and disease attack should be done and recommended practices for control should be followed. In case of alternaria blight Mancozeb 75% @2kg/ha in 800 1000 litre water should be sprayed 2-3 times at an interval of 10 days and in case of white rust occurrence spray of Metalaxyl 35 WS or Ridomil MZ 72 @ 2.5kg/ha in 800 1000 litre water should be sprayed 2-3 times at an interval of 10 days. Downy mildew disease can be treated using Metalaxyl 35 WS or Ridomil MZ 72 @ 2kg/ha in 500 litre water which can be sprayed 1-2 times. For any chemical application noon hours should be selected when leaves are dry.
WHEAT (Vegetative)	In case of weed emergence in late sown crop, manual weeding and hoeing should be followed or chemical application as per recommendation should be followed along with irrigation application as per requirement. In case of zinc deficiency recommended dose of zinc sulphate spray should be scheduled for the crop and regular monitoring for diseases should be done. Yellow rust monitoring should be done. Any chemical spray should be scheduled during noon hours when leaves are dry.
BARLEY (Vegetative)	The late sown crop should be monitored for weeding and hoeing and irrigation application as per requirement should be done.
SUGARCANE (Vegetative)	Mature sugarcane should be harvested at 18% brix value. The autumn sugarcane should be monitored and appropriate farming operations like water shoot cutting should be done.
BARSEEM (Vegetative)	The fodder crops should be harvested at appropriate time and irrigation should be applied just after harvesting. In case of fodder crop like oats, just after irrigation application 30 kg Nitrogen/ha should be applied.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
ONION (Transplanting)	The transplanting of onion crop should be completed and to protect the seedlings against extreme cold protective nets should be used.
VEGETABLE PEA (Pod Development)	Regular hoeing-weeding should be done in the crops and irrigation should be applied as required. On the occurrence of white cotton like growth in the pods or stem of the pea, infected plants should be removed and destroyed.
TOMATO (Flowering)	The crop should be regularly monitored for disease transferring insects and controlled with the recommended practices. To control the late blight disease in tomatoes, it is advised that a solution of Mancozeb @ 2.5g/liter of water should be sprayed. All chemical applications should be done during noon hours when the leaves are dry.
CHILLI (Flowering)	The crop should be regularly monitored for disease transferring insects and controlled with the recommended practices. To control the late blight disease in tomatoes, it is advised that a solution of Mancozeb @ 2.5g/liter of water should be sprayed. All chemical applications should be done during noon hours when the leaves are dry.
POTATO	To control the late blight disease in potato, it is advised that solution of Mancozeb@ 2.5g/liter of water should be sprayed. All chemical spray should be done during noon hours when the leaves are dry.

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 done. Vaccination should be given to the animals to save them from Rinderpest disease (Sheetla rog). The animal feed should be increased by 10% for extra energy requirement.
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). The animal feed should be increased by 10% for extra energy requirement.
GOAT	Keep the delivery chambers of sheep/goats clean and neat.
SHEEP	Keep the delivery chambers of sheep/goats clean and neat.

Others (Soil / Land Preparation) Specific Advisory:

Others (Soil / Land Preparation)	Others (Soil / Land Preparation) Specific Advisory
GENERAL ADVICE	There is likely occurrence of cold wave, cold conditions and dense fog in the region so protective nets to protect the young seedlings should be taken up. The weather is congenial; for disease occurrence in most of the crops so appropriate sprays should be done to protect the crops and all the sprays should be scheduled during noon hours when leaves are dry.

Likely impacts of weather warnings (General)

Weather warnings regarding the occurrence of cold wave conditions and dense fog has been given under which the livestock may be impacted if kept in open and small seedlings may be damaged, occurrence of disease/ pest.

Impact based advisories (General)

Protective nets should be used for small seedlings, the chemical sprays should be done during noon hours when leaves are dry and livestock should be kept under protected structures to avoid damage due to cold.

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/>

