



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 : 2026-01-20

Weather Forecast of District UDAMSINGH-NAGAR (Uttarakhand) Issued On : 2026-01-20 (Valid Till 08:30 IST of the next 5 days)

Parameter	2026-01-21	2026-01-22	2026-01-23	2026-01-24	2026-01-25
Rainfall(mm)	0.0	0.0	1.0	34.0	1.0
Tmax(°C)	25.0	25.0	25.0	21.0	22.0
Tmin(°C)	5.0	5.0	5.0	5.0	3.0
RH-I(%)	72	73	85	90	88
RH-II(%)	45	40	83	88	87
Wind Speed(kmph)	7	8	9	10	11
Wind Direction(Degree)	300	300	140	130	120
Cloud Cover(Octa)	1	1	3	5	3
Warning	No Warning	No Warning	No Warning	Thunderstorms & Lightning, Squall etc; Strong Surface Winds	No Warning

Forecast Summary:

In the last seven days (13 to 19 January) 0.0 mm rainfall was recorded with maximum and minimum temperatures ranging between 10.5 to 23.5°C and 1.1 to 6.8°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 92 to 100% and evening relative humidity at 1412 hrs ranged between 40 to 92%. Wind speed was 1.0 to 5.0 km per hour and wind direction was mostly west, west-north-west and west-south-west. The upcoming 5 days forecast shows light to moderate rainfall of 1.0-34.0 mm. The maximum and minimum temperature, respectively is expected to range 21.0-25.0 degree celsius and 3.0-5.0 degree celsius. The wind is expected to blow at a speed of 7-11 kmph in the direction north-west-west, south-east and south-east-east. Yellow warning regarding the occurrence of thunderstorms, lightning, squalls and strong surface winds is expected on 23 January.

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

No significant warning other than yellow warning regarding the occurrence thunderstorms, lightning, squall, etc. and strong surface winds has been given for 23 January.

Likely impacts of weather warnings on Agriculture and associated Agromet advisories

Disruption in chemical applications in crops so it should be avoided under windy conditions.

General Advisory:

The weather forecast and agrometeorological advisory is regularly updated on the "Meghdoot App" and "Damini App" is also available to get lightning information. Meghdoot and Damini apps can be

downloaded from Google Play Store (Android users) and App Center (iOS users). The extended range forecast system indicates large deficit rainfall and normal maximum-minimum temperature trend.

SMS Advisory:

As per IMD, yellow warning regarding the occurrence of thunderstorms, lightning, squalls and strong surface winds has been given so chemical applications should be avoided under windy conditions.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
LENTIL (Vegetative)	Regular hoeing-weeding should be done in the crops and irrigation should be applied as required. In chickpea/lentil, in case of aphid attack recommended practices should be followed. Chemical sprays should be avoided under windy conditions.
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. Any chemical application should be avoided under windy conditions.
MUSTARD (Flowering)	In case of late sown mustard 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. Any chemical application should be avoided under windy conditions.
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 avoided under windy conditions.
BARLEY (Vegetative)	The late sown crop should be monitored for weeding and hoeing and irrigation application as per requirement should be done. Chemical sprays should be avoided under windy conditions

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
ONION (Transplanting)	The transplanting of onion crop should be completed and any type of chemical application should be avoided under windy conditions. Irrigation should be applied as required.
VEGETABLE PEA (Vegetative)	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. Any chemical application should be avoided under windy conditions.
TOMATO	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

Horticulture (Stage)	Horticulture Specific Advisory
	should be sprayed. Any chemical application should be avoided under windy conditions.
CHILLI	The crop should be regularly monitored for disease transferring insects and controlled with the recommended practices. To control the late blight disease in chilli, it is advised that a solution of Mancozeb @ 2.5g/liter of water should be sprayed. Any chemical application should be avoided under windy conditions.
POTATO	To control the late blight disease in potato, it is advised that solution of Mancozeb@ 2.5g/liter of water should be sprayed. Any chemical application should be avoided under windy conditions.

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.

Poultry Specific Advisory:

Poultry	Poultry Specific Advisory
HEN	Medicine as per the veterinarian should be administered for aflatoxiosis caused due to fungal growth in their feed.

Likely impacts of weather warnings (General)

Disruption in chemical applications under windy conditions.

Impact based advisories (General)

Avoid chemical applications in crops under windy conditions.
--

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>