



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 : 2025-01-21

Weather Forecast of District UDAMSINGH-NAGAR (Uttarakhand) Issued On : 2025-01-21 (Valid Till 08:30 IST of the next 5 days)

Parameter	2025-01-22	2025-01-23	2025-01-24	2025-01-25	2025-01-26
Rainfall(mm)	0.0	1.0	1.0	0.0	0.0
Tmax(°C)	24.0	23.0	20.0	22.0	23.0
Tmin(°C)	7.0	8.0	8.0	5.0	6.0
RH-I(%)	80	85	90	85	85
RH-II(%)	70	75	75	70	70
Wind Speed(kmph)	5	6	5	6	6
Wind Direction(Degree)	320	330	350	330	320
Cloud Cover(Octa)	1	2	3	0	0

Weather Summary/Alert:

Last seven days (14 to 21 January) observed 1.4 mm rainfall with maximum and minimum temperature varying between 15.0-24.5 and 5.0-10.8°C, respectively. The weather was observed to be foggy in the morning on most of the days. The morning and evening relative humidity varied between 90-100% and 41-89%, respectively. The wind speed mostly ranged between 5-6 kmph blowing primarily from the south-west, north-north-east, east, west-north-west and west-south-west direction. The upcoming 5 day forecast shows light drizzle of 1 mm with maximum and minimum temperature varying between 20.0-24.0°C and 5-8°C. The wind speed is expected to be 5-6 kmph from north-west and north-west-north direction. Very light to light rain is likely to occur at isolated places on 22 January and light to moderate rain is likely to occur at few places on 23 January. Dry weather likely to prevail during rest of the period. A yellow warning has been issued regarding moderate to dense fog at few places.

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 NDVI composite shows moderate agricultural vigour in the region. The extended range forecast system from 17-23 January indicates deficit rainfall and normal maximum-minimum temperature trend.

SMS Advisory:

As per the forecast, light drizzle is expected so the farming operations should be scheduled accordingly and irrigation should be applied as required.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
LENTIL	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

Crop (Stage)	Crop Specific Advisory
	practices should be followed. Chemical sprays should be avoided under windy conditions.
RAPESEED	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. Chemical sprays should be avoided under windy conditions.
MUSTARD	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. Chemical sprays should be avoided under windy conditions.
WHEAT	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. On occurrence of yellow rust appropriate measures should be taken up. Chemical sprays should be avoided under windy conditions.
BARLEY	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	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	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 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 tomatoes, 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.

Others (Soil / Land Preparation) Specific Advisory:

Others (Soil / Land Preparation)	Others (Soil / Land Preparation) Specific Advisory
GENERAL ADVICE	There is likely occurrence of cold conditions and dense fog in the region so appropriate measures 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.