



**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 : 03-01-2025

Weather Forecast of UDAMSINGH-NAGAR(Uttarakhand) Issued On : 2025-01-03(Valid Till 08:30 IST of the next 5 days)

Parameter	2025-01-04	2025-01-05	2025-01-06	2025-01-07	2025-01-08
Rainfall(mm)	0.0	0.0	0.0	0.0	0.0
Tmax(°C)	19.0	20.0	19.0	19.0	18.0
Tmin(°C)	12.0	12.0	10.0	8.0	8.0
RH-I(%)	85	80	85	85	80
RH-II(%)	90	80	75	70	70
Wind Speed(kmph)	3	5	4	4	5
Wind Direction(Degree)	340	330	130	140	340
Cloud cover(octa)	3	3	3	4	2

### Weather Summary/Alert:

In the last seven days (27 December to 02 January) 5.6 mm rainfall was recorded with maximum and minimum temperatures ranging between 13.5 to 25.0°C and 8.0 to 13.5°C. During last week weather remained cloudy and foggy on few days. Morning relative humidity at 0712 hrs ranged between 73 to 95% and evening relative humidity at 1412 hrs ranged between 57 to 86%. Wind speed was 1.2 to 7.4 km per hour and wind direction was west-north-west, north-west and south-west. The upcoming 5 days forecast shows no rainfall. The maximum and minimum temperatures would be 18.0 to 20.0 degrees Celsius and 8.0 to 12.0 degrees Celsius. Winds with a speed of 3-5 kmph would mostly blow from north-north-west, north-west-north and south-east direction. Dry weather likely to prevail during the upcoming week.

### 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 indicates deficient rainfall and above normal maximum-minimum temperature trend.

### SMS Advisory:

Dry weather has been predicted by IMD, so irrigation should be applied to the crops as required and other farming operations should be done as scheduled.

### Crop Specific Advisory:

Crop	Crop Specific Advisory
CHICK PEA	At the time of flowering and pod formation irrigation should be applied as required. 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.

Crop	Crop Specific Advisory
LENTIL	At the time of flowering and pod formation irrigation should be applied as required. 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.
RAPESEED	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. The crop should be harvested if mature and irrigation should be applied at flowering/pod formation stage.
MUSTARD	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. The crop should be harvested if mature and irrigation should be applied at flowering/pod formation stage.
WHEAT	In case of weed emergence in late sown crop either manual weeding and hoeing should be followed or chemical application as per recommendation. For broad leaved weeds 2,4-D @500g or metsulfuron methyl @4g should be applied at 30-35 or 35-40 DAS while for narrow leaved weeds Isoproturon @1kg/ Sulfosulfuron @25g/ Clodinafop @60g can be sprayed at an interval of 30-35 DAS. Irrigation should be applied as required.
BARLEY	The late sown crop should be monitored and weeding-hoeing should be carried out at an interval of 25-30 days. Irrigation should be applied as required.
SUGARCANE	Ratoon and autumn sugarcane should be monitored and appropriate farming operations should be followed.

#### Horticulture Specific Advisory:

Horticulture	Horticulture Specific Advisory
CAULIFLOWER	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	The transplanting of onion crop should be completed in manured fields till first week of January.
VEGETABLE PEA	At the time of flowering and pod formation irrigation should be applied as required. Regular hoeing-weeding should be done in the crops and irrigation should be applied as required.
TOMATO	The crops should be regularly checked for disease transferring insects and controlled with the recommended practices.
CHILLI	The crops should be regularly checked for disease transferring insects and controlled with the recommended practices.
POTATO	To control the late blight disease in potato, it is advised that solution of Mancozeb@ 2.5g/liter of water should be sprayed.
MANGO	To prevent the Gujjiya weevil from climbing on a tree, the stem of the tree should be covered by fine soil layer up to 40 cm height in the last week of this month. The tree trunk should be wrapped with 25 cm broad strip of 400 gauge thick polythene and tied with the help of strong rope (sutli). Along with this grease must be applied in the lower portion to avoid ascent of the weevil.

#### 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

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	animals to save them from Rinderpest disease (Sheetla rog).The animal feed should be increased by 10% for extra energy requirement.