



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 : 2025-02-11

Weather Forecast of District UDAMSINGH-NAGAR (Uttarakhand) Issued On : 2025-02-11 (Valid Till 08:30 IST of the next 5 days)

Parameter	2025-02-12	2025-02-13	2025-02-14	2025-02-15	2025-02-16
Rainfall(mm)	0.0	0.0	0.0	0.0	0.0
Tmax(°C)	25.0	24.0	23.0	24.0	25.0
Tmin(°C)	5.0	4.0	4.0	5.0	6.0
RH-I(%)	60	60	60	60	60
RH-II(%)	30	30	30	30	30
Wind Speed(kmph)	4	5	6	5	4
Wind Direction(Degree)	320	320	320	320	320
Cloud Cover(Octa)	0	0	1	1	2

Weather Summary/Alert:

Last seven days (4 to 10 February) observed no rainfall with maximum and minimum temperature varying between 21.0-26.5 and 4.7-7.5 oC, respectively. The weather was observed to be clear on most of the days during last week. The morning and evening relative humidity varied between 86-97% and 36-54%, respectively. The wind speed mostly ranged between 1.3-8.5 kmph blowing primarily from the west, west-north-west, south-east, west-south-west and south-south-west direction. The upcoming 5 day forecast shows no rainfall with maximum and minimum temperature varying between 23.0-25.0oC and 4-6oC. The wind speed is expected to be 4-6 kmph from north-west. Dry weather likely to prevail during the period.

General Advisory:

A regular update regarding weather forecast and agrometeorological advisory is available on the "Meghdoot App" while "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 shows large deficient rainfall and below normal maximum and normal minimum temperature trend during 7 to 13 February.

SMS Advisory:

As per IMD forecast, dry weather has been predicted so irrigation should be applied as required and all the farming operations should be scheduled accordingly.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
CHICK PEA	Irrigation should be applied at the time of flowering and pod formation. On occurrence of pod borer application of appropriate biological and chemical control should be followed. Biological control is possible with 5% neem seed kernel extract or BT @1kg/ha. Chemical application of Cholantraniliprole

Crop (Stage)	Crop Specific Advisory
	18.5 SL @125 ml or Emamectin Benzoate 5 SG @220g dissolved in 500-600 litres of water per hectare. The first chemical spray should be done at 50% flowering and 2nd and 3rd spray at an interval of 15 days.
LENTIL	Irrigation should be applied at the time of flowering and pod formation. On occurrence of pod borer application of appropriate biological and chemical control should be followed. Biological control is possible with 5% neem seed kernel extract or BT @1kg/ha. Chemical application of Chlorantraniliprole 18.5 SL @125 ml or Emamectin Benzoate 5 SG @220g dissolved in 500-600 litres of water per hectare. The first chemical spray should be done at 50% flowering and 2nd and 3rd spray at an interval of 15 days.
RAPESEED	The rapeseed crop should be harvested on maturity and properly dried before shredding. Application of irrigation at flowering and pod formation stage in Mustard (Rai) as per requirement is necessary to avoid yield losses. 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, regular spray of Mancozeb 75% @2kg/ha in 800-1000 litre water, 2-3 times at an interval of 10 days is required while in case of white rust, regular spray of Metalaxyl 35 WS or Ridomil MZ 72 @ 2.5kg/ha in 800-1000 litre water, 2-3 times at an interval of 10 days. There might be a light attack of downy mildew which can be treated with Metalaxyl 35 WS or Ridomil MZ 72 @ 2kg/ha in 500 litres of water.
MUSTARD	The rapeseed crop should be harvested on maturity and properly dried before shredding. Application of irrigation at flowering and pod formation stage in Mustard (Rai) as per requirement is necessary to avoid yield losses. 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, regular spray of Mancozeb 75% @2kg/ha in 800-1000 litre water, 2-3 times at an interval of 10 days is required while in case of white rust, regular spray of Metalaxyl 35 WS or Ridomil MZ 72 @ 2.5kg/ha in 800-1000 litre water, 2-3 times at an interval of 10 days. There might be a light attack of downy mildew which can be treated with Metalaxyl 35 WS or Ridomil MZ 72 @ 2kg/ha in 500 litres of water.
WHEAT	The crop should be irrigated as required and weed emergence should be controlled. Occurrence of diseases like powdery mildew and blight should be controlled. The crop should be regularly monitored for the occurrence of diseases and pests.
BARLEY	Measures should be taken for weed management. The crop should be irrigated as required and weed control should be practiced. The crops should be monitored for disease occurrence like powdery mildew and blight which should be controlled accordingly.
SUGARCANE	The crop should be harvested at 16-18% brix value and appropriate farming operations should be followed in autumn sugarcane.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
ONION	The onion seedlings should be irrigated as required and regular weeding and hoeing operations should be done.
VEGETABLE PEA	The pea crop is very sensitive to dry and cold nights so irrigation should be applied as required and regular monitoring for pest and diseases should be done. On occurrence of powdery mildew/aphid attack appropriate chemical or mechanical measures should be taken up.
TOMATO	Regular monitoring of crop should be done and recommended practices should be followed. The crop should be regularly monitored for disease transferring insects and controlled with the recommended practices. Late blight disease in tomatoes can be prevented with a Mancozeb spray @ 2.5g/liter of water.
POTATO	To control the late blight disease in potato, it is advised that solution of Mancozeb@ 2.5g/liter of water should be sprayed.

Live Stock Specific Advisory:

Live Stock	Live Stock Specific Advisory
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. 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.
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. 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.