



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 : 2025-02-21

Weather Forecast of District UDAMSINGH-NAGAR (Uttarakhand) Issued On : 2025-02-21 (Valid Till 08:30 IST of the next 5 days)

| Parameter | 2025-02-22 | 2025-02-23 | 2025-02-24 | 2025-02-25 | 2025-02-26 |
|------------------------|------------|------------|------------|------------|------------|
| Rainfall(mm) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Tmax(°C) | 26.0 | 26.0 | 26.0 | 27.0 | 27.0 |
| Tmin(°C) | 9.0 | 8.0 | 8.0 | 9.0 | 9.0 |
| RH-I(%) | 85 | 85 | 80 | 80 | 85 |
| RH-II(%) | 60 | 55 | 55 | 60 | 60 |
| Wind Speed(kmph) | 7 | 5 | 5 | 5 | 4 |
| Wind Direction(Degree) | 340 | 340 | 90 | 20 | 330 |
| Cloud Cover(Octa) | 3 | 3 | 0 | 1 | 3 |
| Warning | No Warning | No Warning | No Warning | No Warning | No Warning |

Forecast Summary:

Last seven days (14 to 20 February) observed no rainfall with maximum and minimum temperature varying between 21.0-26.2 and 4.4-11.9 oC, respectively. The weather was observed to be cloudy on few days during last week. The morning and evening relative humidity varied between 81-95% and 37-61%, respectively. The wind speed mostly ranged between 1.5-7.2 kmph blowing primarily from the west-north-west, east, west and north-north-east direction. The upcoming 5 day forecast shows no rainfall with maximum and minimum temperature varying between 26.0-27.0oC and 8-9oC. The wind speed is expected to be 4-7 kmph from west and north-north-west, north-west-north, east and north-north-east direction. Dry weather is expected to prevail in the region.

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

Dry weather is expected to prevail in the region.

Likely impacts of weather warnings on Agriculture and associated Agromet advisories

Irrigation should be applied to maintain temperatures in the crops.

General Advisory:

A regular update regarding weather forecast and agrometeorological advisory is available 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 good agricultural vigour in the region. The extended range forecast system shows excess rainfall, below normal maximum and normal minimum temperature trend during 21 to 27 February.

SMS Advisory:

As per IMD forecast, no rainfall has been predicted so irrigation should be applied as required and sprays should be scheduled accordingly.

Crop Specific Advisory:

| Crop (Stage) | Crop Specific Advisory |
|-----------------------------|--|
| CHICK PEA (Pod initiation) | Irrigation should be applied at the time of flowering and on occurrence of pod borer application of appropriate biological and chemical control should be followed. The spray should be done at 50% flowering and then two sprays at an interval of 15 days. |
| LENTIL (Pod initiation) | Irrigation should be applied at the time of flowering and on occurrence of pod borer application of appropriate biological and chemical control should be followed. The spray should be done at 50% flowering and then two sprays at an interval of 15 days. |
| RAPESEED (Pod Development) | Irrigation should be applied at the time of pod formation. Regular monitoring of mustard for pest and disease attack should be done and recommended practices for control should be followed. |
| MUSTARD (Pod Development) | Irrigation should be applied at the time of pod formation. Regular monitoring of mustard for pest and disease attack should be done and recommended practices for control should be followed. |
| WHEAT (Vegetative) | The crop should be irrigated at flowering stage while weed control should be practiced in late sown crops. Regular monitoring for disease and pest should be done and recommended practices should be followed. |
| BARLEY (Vegetative) | The crop should be irrigated at flowering stage while weed control should be practiced in late sown crops. Regular monitoring for disease and pest should be done and recommended practices should be followed. |
| SUGARCANE | To get good yield the new sugarcane crop should be cut during mid February and irrigation application along with hoeing-weeding operations should be carried out in the autumn sugarcane crop. |

Horticulture Specific Advisory:

| Horticulture (Stage) | Horticulture Specific Advisory |
|---------------------------------|--|
| TOMATO (Physiological Maturity) | Irrigation should be applied as required. Harvest the mature fruits. |
| CHILLI (Physiological Maturity) | Irrigation should be applied as required. Harvest the mature fruits. |
| BRINJAL (Transplanting) | Transplanting of brinjal seedlings should be done during this month. |
| FRENCH BEAN (Sowing) | Sowing can be done in this month. |
| POTATO (Physiological Maturity) | Harvest mature potatoes. |
| LEMON | Proper nutrition and irrigation should be given to the citrus plants to prevent flower drop. |

Live Stock Specific Advisory:

| Live Stock | Live Stock Specific Advisory |
|------------|--|
| BUFFALO | Cows/buffaloes should not only consume unrefined foods like barseem, agola, etc. Always use dry foods in standard quantities with green fodder. Destroy horn-buds of calves of cow/buffaloes at the age of one week. |
| COW | Cows/buffaloes should not only consume unrefined foods like barseem, agola, etc. Always use dry foods in standard quantities with green fodder. Destroy horn-buds of calves of cow/buffaloes at the age of one week. |
| GOAT | Treat and take good care of newborn lambs of sheep and goats. |
| SHEEP | Treat and take good care of newborn lambs of sheep and goats. |

Likely impacts of weather warnings (General)

High temperature variations have been observed which might impact the grain filling in Wheat due to terminal heat stress and pod formation in pulses.

Impact based advisories (General)

Irrigation should be applied to maintain crop temperatures.

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>