



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 : 2025-04-11

Weather Forecast of District UDAMSINGH-NAGAR (Uttarakhand) Issued On : 2025-04-11 (Valid Till 08:30 IST of the next 5 days)

| Parameter | 2025-04-12 | 2025-04-13 | 2025-04-14 | 2025-04-15 | 2025-04-16 |
|------------------------|--|--|------------|------------|------------|
| Rainfall(mm) | 10.0 | 10.0 | 5.0 | 0.0 | 0.0 |
| Tmax(°C) | 33.0 | 32.0 | 34.0 | 35.0 | 36.0 |
| Tmin(°C) | 20.0 | 19.0 | 21.0 | 21.0 | 22.0 |
| RH-I(%) | 75 | 70 | 60 | 50 | 50 |
| RH-II(%) | 50 | 45 | 40 | 30 | 30 |
| Wind Speed(kmph) | 20 | 15 | 10 | 5 | 5 |
| Wind Direction(Degree) | 79 | 41 | 43 | 69 | 77 |
| Cloud Cover(Octa) | 7 | 7 | 4 | 0 | 0 |
| Warning | Thunderstorms & Lightning, Squall etc; Hailstorm; Strong Surface Winds | Thunderstorms & Lightning, Squall etc; Hailstorm; Strong Surface Winds | No Warning | No Warning | No Warning |

Forecast Summary:

During last week (4 to 10 April) 29.4 mm rainfall was recorded and the maximum-minimum temperature ranged between 35.4 to 36.6oC and 12.9 to 23.0oC, respectively. The morning and evening relative humidity ranged between 51-96% and 13-59%, respectively. The wind blew from east-south-east, east, south and west at a speed ranging 1.3-3.9 kmph. The weather was gusty on few days last week. The upcoming week is expected to receive light rainfall of 5-10 mm with maximum-minimum temperature ranging 32.0-35.0oC and 19.0-22.0oC, respectively. The wind is expected to blow from east-north, north-east and north-east-east direction at a speed of 5-20 kmph. On 11 an orange alert has been given for thunderstorm, lightning, squalls, hailstorm etc. Similar conditions of thunderstorm, lightning, squall, etc. may continue on 12 for which yellow alert has been given. High speed gusty winds are expected on 11 ranging 60-70 kmph and speeding upto 80 kmph while on 12 the gusty winds may speed up to 40 kmph. An orange alert has been given for the occurrence of thunderstorm, lightning, squall, hailstorm and strong surface winds for 11 and yellow alert for similar conditions on 12.

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

An orange alert regarding occurrence of thunderstorm, lightning, squalls, hailstorms, strong surface winds, etc. has been given for 11 and similar conditions might occur on 12 for which yellow alert has been given.

Likely impacts of weather warnings on Agriculture and associated Agromet advisories

Hailstorm will affect the mature crops so hailnets should be used. Mature crops are subject to lodging so avoid irrigation. Delay any kind of spray in horticultural crops. Store the harvested produce under

covered area to avoid spoilage

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 good agricultural vigour in the region. The extended range forecast system shows that the predicted trend from 11-17 April would observe normal rainfall, maximum and minimum temperature trend.

SMS Advisory:

As per IMD forecast, no irrigation or chemical application should be done in the crops and hailnets should be used to protect the fresh seedlings and buds.

Crop Specific Advisory:

| Crop (Stage) | Crop Specific Advisory |
|-------------------------------|--|
| CHICK PEA (Harvesting) | The harvested crop should be kept in covered area. Avoid irrigating the crop. Harvesting should be done during dry days. |
| LENTIL (Harvesting) | The harvested crop should be kept in covered area. Avoid irrigating the crop. Harvesting should be done during dry days. |
| BLACK GRAM (Sowing) | The sowing should be delayed for the time being and scheduled for dry days. |
| GREEN GRAM (Sowing) | The sowing should be delayed for the time being and scheduled for dry days. |
| WHEAT (Harvesting) | No irrigation should be applied to the mature crop and harvested produce should be stored well in covered area. |
| SUGARCANE (Vegetative) | The irrigation should be avoided and regular farming operations should be scheduled on dry days. |
| FODDER MAIZE (Vegetative) | Irrigation should be avoided . |

Horticulture Specific Advisory:

| Horticulture (Stage) | Horticulture Specific Advisory |
|----------------------|---|
| MANGO | The farming operations should be scheduled for the dry days and avoided under windy conditions. If possible protect the fresh mango buds using hail nets. |
| PAPAYA | The farming operations should be scheduled for dry weather days. |
| TOMATO | The transplanting operations should be scheduled on dry days and the fresh seedlings should be protected well from hailstorm using hailnets. |
| CAPSICUM | The transplanting operations should be scheduled on dry days and the fresh seedlings should be protected well from hailstorm using hailnets. |
| BRINJAL | The transplanting operations should be scheduled on dry days and the fresh seedlings should be protected well from hailstorm using hailnets. |

Live Stock Specific Advisory:

| Live Stock | Live Stock Specific Advisory |
|------------|---|
| BUFFALO | The animals should be kept in protected area. |
| COW | The animals should be kept in protected area. |

Likely impacts of weather warnings (General)

Hailstorm can impact mature crops and fresh seedlings. It can also impact the mango buds. Lodging can occur in mature crops and spoilage can occur of harvested produce. Sowing can be impacted.

Impact based advisories (General)

Hailnets should be used to protect the mature crops, fresh seedlings and if possible then the mango buds. Avoid irrigating mature crops and keep the harvested produce under covered area. Sowing should be delayed.

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