



Gramin Krishi Mausam Sewa
Agromet Advisory Bulletin for NAINITAL District
Govind Ballabh Pant University of Agriculture & Technology
 Udham Singh Nagar, Pantnagar, Uttarakhand



Agromet Advisory Bulletin

Date : 2025-03-11

Weather Forecast of District NAINITAL (Uttarakhand) Issued On : 2025-03-11 (Valid Till 08:30 IST of the next 5 days)

| Parameter | 2025-03-12 | 2025-03-13 | 2025-03-14 | 2025-03-15 | 2025-03-16 |
|------------------------|------------|------------|---------------------------------------|---------------------------------------|---------------------------------------|
| Rainfall(mm) | 0.0 | 0.0 | 4.0 | 5.0 | 6.0 |
| Tmax(°C) | 18.0 | 19.0 | 18.0 | 17.0 | 16.0 |
| Tmin(°C) | 11.0 | 12.0 | 11.0 | 10.0 | 9.0 |
| RH-I(%) | 65 | 65 | 70 | 70 | 70 |
| RH-II(%) | 25 | 25 | 30 | 30 | 30 |
| Wind Speed(kmph) | 2 | 3 | 3 | 2 | 3 |
| Wind Direction(Degree) | 320 | 340 | 340 | 50 | 50 |
| Cloud Cover(Octa) | 3 | 3 | 5 | 6 | 7 |
| Warning | No Warning | No Warning | Thunderstorms & Lightning, Squall etc | Thunderstorms & Lightning, Squall etc | Thunderstorms & Lightning, Squall etc |

Forecast Summary:

The upcoming days show light rainfall of 4.0-6.0 mm from 13 to 15 March while the maximum and minimum temperature might range between 16-19oC and 9-12oC, respectively. The wind is expected to blow from north-west, north-north-west and north-east with a speed of 2-3 kmph. Very light to light rain is likely to occur at isolated places on 13 & 14 March and at few places on 14 & 15 March. Dry weather likely to occur on 11 & 12 March. A yellow warning has been given regarding the occurrence of thunderstorm accompanied with lightening at isolated places on 13, 14 & 15 March.

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

Very light to light rainfall at isolated places on 13 and 14 March and at few places on 14 and 15 March. Yellow warning has been given for thunderstorm, lightning, squall, etc. on 13, 14 and 15 March.

Likely impacts of weather warnings on Agriculture and associated Agromet advisories

Postponement and delay in irrigation and chemical application. Damage to harvested produce and delay in sowing of vegetable crops. The irrigation and chemical application should be scheduled after the warnings to prevent wastage of resources. The harvested produce should be stored well and the sowing operations should be delayed for the time being.

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

issued by IMD shows that the predicted trend from 07-13 March would observe normal rainfall and maximum temperature with below normal minimum temperature trend.

SMS Advisory:

As per IMD forecast, light rainfall has been predicted with yellow warning for lightning, thunderstorm, etc. so the farming operations should be scheduled accordingly and delayed for the time being.

Crop Specific Advisory:

| Crop (Stage) | Crop Specific Advisory |
|--------------|--|
| LENTIL | The irrigation and chemical application should be avoided/postponed under the predicted rainfall conditions. |
| RAPSEED | The harvested and dried crop should be stored well in the protected shed area and the irrigation application in the crops at pod development stage should be postponed under the predicted rainfall conditions. |
| MUSTARD | The harvested and dried crop should be stored well in the protected shed area and the irrigation application in the crops at pod development stage should be postponed under the predicted rainfall conditions. |
| WHEAT | The irrigation application and chemical application to control the disease pest should be postponed under the predicted rainfall and windy conditions. The weed management operations including chemical applications and the application of urea should be postponed/avoided under the predicted conditions |

Horticulture Specific Advisory:

| Horticulture (Stage) | Horticulture Specific Advisory |
|----------------------|--|
| FRENCH BEAN | Sowing should be delayed and the fresh seedlings should be protected against the winds and rainfall impact using nets. |
| RADISH | Sowing should be delayed under the predicted rainfall conditions. |
| CARROT | Sowing should be delayed under the predicted rainfall conditions. |
| VEGETABLE PEA | Irrigation and chemical application to control pest-disease should be postponed under the predicted rainfall conditions. |

Live Stock Specific Advisory:

| Live Stock | Live Stock Specific Advisory |
|------------|--|
| BUFFALO | In case of infectious diaorrhoea in cows/buffaloes, oral E. coli vaccine should be administered and anthelmintic drugs should be given to 2 month old calves. The animals should not be left in open and should be kept in proper sheds. |
| COW | In case of infectious diaorrhoea in cows/buffaloes, oral E. coli vaccine should be administered and anthelmintic drugs should be given to 2 month old calves. The animals should not be left in open and should be kept in proper sheds. |
| SHEEP | For wool production, clean the sheep/goats properly before shaving the wool. The animals should not be left in open and should be kept in proper sheds. |
| GOAT | For wool production, clean the sheep/goats properly before shaving the wool. The animals should not be left in open and should be kept in proper sheds. |

Likely impacts of weather warnings (General)

As per the forecast harvested produce may be affected and lodging might occur in irrigated crops.

Impact based advisories (General)

The harvested produce should be stored well and irrigation application should be postponed for the time being.

Farmers are advised to download Unified Mousam and "Meghdoot" android application on mobile for Weather forecast and weather based Agromet Advisories and "Damini" android application for forecast of Thunderstorm and lightning.

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>