



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 : 2025-04-11

Weather Forecast of District NAINITAL (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)	28.0	27.0	29.0	30.0	31.0
Tmin(°C)	17.0	16.0	17.0	18.0	19.0
RH-I(%)	80	75	60	50	50
RH-II(%)	50	50	40	30	30
Wind Speed(kmph)	20	20	10	5	5
Wind Direction(Degree)	120	100	95	50	50
Cloud Cover(Octa)	8	8	5	1	1
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:

The upcoming days is expected to experience light rainfall of 5-10 mm from 11-13 April with maximum-minimum temperature of 27-31°C and 16-19°C, respectively. The wind is expected to blow from south-east-east, south-east, east and north-east direction with a speed of 5-20 kmph. Heavy rainfall is expected in isolated regions on 11 with thunderstorm, lightning, squalls, hailstorm etc. Similar conditions of thunderstorm, lightning, squall, etc. may continue on 12. 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 rainfall accompanied with 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 moderate 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 mature crops and young seedlings.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
LENTIL (Harvesting)	The harvested produce should be stored well and avoid irrigating standing crops.
MUSTARD (Harvesting)	Harvested produce should be stored well to avoid spoilage and removed from the open fields. Avoid irrigating standing crops.
WHEAT (Harvesting)	The harvested produce should be stored well to avoid spoilage. It should be removed from the open fields and kept in covered area. Avoid irrigating standing crops.
RICE (Sowing)	The sowing of chetki dhan can be delayed under the current predicted conditions.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
FRENCH BEAN (Sowing)	The french bean sowing in the hilly regions should be delayed and irrigation should be avoided in the fresh seedlings.
AMARANTHUS (Sowing)	Sowing of amaranthus in the hilly regions during should be delayed under the current predicted conditions.
FENUGREEK (Sowing)	Sowing of fenugreek in the hilly regions during should be delayed under the current predicted conditions.
RADISH (Sowing)	Sowing of radish varieties should be delayed in the hills.
TOMATO (Nursery)	The nurseries should be protected well using hailnets.
CAPSICUM (Nursery)	The nurseries should be protected well using hailnets.
BRINJAL (Nursery)	The nurseries should be protected well 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.

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.

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>