



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 : 2025-04-17

Weather Forecast of District NAINITAL (Uttarakhand) Issued On : 2025-04-17 (Valid Till 08:30 IST of the next 5 days)

Parameter	2025-04-18	2025-04-19	2025-04-20	2025-04-21	2025-04-22
Rainfall(mm)	2.0	5.0	16.0	8.0	0.0
Tmax(°C)	27.0	28.0	25.0	26.0	27.0
Tmin(°C)	17.0	18.0	17.0	17.0	17.0
RH-I(%)	55	65	75	60	50
RH-II(%)	25	30	50	40	24
Wind Speed(kmph)	5	7	20	15	5
Wind Direction(Degree)	143	160	95	47	33
Cloud Cover(Octa)	1	5	8	7	0
Warning	Thunderstorms & Lightning, Squall etc	No Warning	Thunderstorms & Lightning, Squall etc; Hailstorm; Strong Surface Winds	Thunderstorms & Lightning, Squall etc; Hailstorm; Strong Surface Winds	No Warning

Forecast Summary:

In the coming days, the region is likely to receive light rainfall of 2-16 mm and maximum minimum temperatures are likely to be 25-28°C and 17-18°C respectively. Winds are likely to blow from east, east-southeast east-northeast direction at a speed of 5-20 kmph. Very light rainfall is likely at a few places on 17 April. An orange warning has been issued for thunderstorm/hailstorm and gusty winds (50-60 kmph) at isolated places till 19 April, 2025. While a yellow warning has been issued for thunderstorm/hailstorm and gusty winds (30-40 kmph) at isolated places on 20 April, 2025.

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

An orange alert has been issued for rain accompanied with thunderstorm, lightning, storm, hail, strong surface winds, etc. till April 19, while a yellow alert has been issued for rain accompanied with thunderstorm, lightning/hail and strong winds, etc. at isolated places on April 20.

Likely impacts of weather warnings on Agriculture and associated Agromet advisories

Mature crops may be affected by hail, so hail nets should be used. Mature crops are prone to collapse, so avoid irrigation. Delay any kind of spraying in horticultural crops. Keep the harvested crop covered to prevent 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:

Very light to light rainfall is likely at some places from 19th to 20th April.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
LENTIL (Harvesting)	Harvest the mature crop and store well after drying.
MUSTARD (Harvesting)	Harvest the mature crop and store well after drying.
WHEAT (Harvesting)	Harvesting of matured grains should be done and dried well before threshing.
RICE (Sowing)	Chetki dhan can be sown in the hills.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
FRENCH BEAN (Sowing)	Sowing of French bean should be done.
AMARANTHUS (Sowing)	Sowing of French bean should be done.
GARLIC (Sowing)	Sowing of Garlic should be done.
CAPSICUM (Transplanting)	The transplanted crop should be irrigated as required.
BRINJAL (Transplanting)	The transplanted crop should be irrigated as required.
PUMPKIN (Vegetative)	To control leaf spot disease in Pumpkin type vegetablest, the solution of Mancozeb should be mixed @ 2.5 grams per liter of water.
TOMATO (Transplanting)	The transplanted crop should be irrigated as required.
FENUGREEK (Sowing)	Sowing of Fenugreek should be done.

Live Stock Specific Advisory:

Live Stock	Live Stock Specific Advisory
BUFFALO	If symptoms of mastitis are seen in dairy cattle, treat it immediately. Due attention should be given to arrangements for provision of water to animals. The drinking troughs should be kept clean and animals should be provided water at least four times during the day. To avoid heat waves provide proper ventilation.
COW	If symptoms of mastitis are seen in dairy cattle, treat it immediately. Due attention should be given to arrangements for provision of water to animals. The drinking troughs should be kept clean and animals should be provided water at least four times during the day. To avoid heat waves provide proper ventilation.

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