



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 : 2025-08-12

Weather Forecast of District NAINITAL (Uttarakhand) Issued On : 2025-08-12 (Valid Till 08:30 IST of the next 5 days)

Parameter	2025-08-13	2025-08-14	2025-08-15	2025-08-16	2025-08-17
Rainfall(mm)	30.0	80.0	35.0	35.0	20.0
Tmax(°C)	25.0	24.0	23.0	22.0	22.0
Tmin(°C)	19.0	19.0	18.0	18.0	18.0
RH-I(%)	93	92	91	92	92
RH-II(%)	92	92	92	92	92
Wind Speed(kmph)	3	3	3	2	1
Wind Direction(Degree)	100	110	120	100	100
Cloud Cover(Octa)	6	8	8	8	8
Warning	Heavy Rain; Very Heavy Rain; Thunderstorms & Lightning, Squall etc	Very Heavy Rain; Extremely Heavy Rain; Thunderstorms & Lightning, Squall etc	Very Heavy Rain; Extremely Heavy Rain; Thunderstorms & Lightning, Squall etc	Heavy Rain; Very Heavy Rain; Thunderstorms & Lightning, Squall etc	Heavy Rain; Very Heavy Rain; Thunderstorms & Lightning, Squall etc

Forecast Summary:

The upcoming week predicts moderate to very heavy rainfall of 20-80 mm and maximum-minimum temperature varying between 22.0-25.0°C and 18.0-19.0°C, respectively. The wind is expected to blow from east-south, east-south-east and south-east-east direction at a speed of 1-3 kmph. On 12, 15 and 16 August an orange alert has been issued regarding the occurrence of heavy to very heavy rain/thunderstorm accompanied with lightning / intense to very intense rain spell at isolated places while on 13 and 14 red alert has been issued regarding the occurrence of extremely heavy rain at isolated places/heavy to very heavy rain likely to occur at a few places/thunderstorm accompanied with lightning / very intense to extremely intense rain spell at isolated places.

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

Red and orange alert has been issued regarding extremely heavy and heavy rainfall in the upcoming week.

Likely impacts of weather warnings on Agriculture and associated Agromet advisories

Water logging, impact germination and seedling growth in maize, soyabean and green gram, Spoilage of harvested horticultural produce. Provide proper drainage, on spoilage of seeds or seedlings of soyabean and green gram go for re-sowing after heavy rainfall and provide proper drainage in already sown crop, the harvested horticultural produce should be immediately sent for sale or stored in a safe place to avoid spoilage, any kind of chemical spray should be delayed under forecasted weather conditions.

General Advisory:

The farmers and other related community can download the “Mausam” app for regular weather information and rainfall alerts. Other apps like "Meghdoot" and "Damini" are also available for regular update of meteorological and lightning data, respectively. All the apps can be easily downloaded from Google Play Store (Android users) and App Centre (iOS users). The extended range forecast shows normal rainfall, maximum and minimum temperature trend during 08.08.2025 to 14.08.2025.

SMS Advisory:

Orange and red alert has been issued regarding heavy rainfall so proper drainage should be provided in the field and any kind of chemical spray operation should be delayed.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
RICE (Vegetative)	Proper drainage should be provided in the fields. Manual weeding is possible under light rainfall days while any kind of chemical spray should be avoided under predicted conditions.
MAIZE (Vegetative)	Any kind of chemical and fertilizer application should be avoided. Proper drainage should be maintained in the field. Irrigation application should be avoided.
FINGER MILLET (Vegetative)	Keep monitoring the crops and do weeding as per requirement on light rainfall days. Avoid top dressing of urea as heavy rain has been predicted. Proper drainage should be provided in the field.
SOYABEAN (Germination)	Proper drainage should be provided in already sown crop and in case the seedlings/seed damage, re-sowing should be done after heavy rainfall.
GREEN GRAM (Sowing)	Proper drainage should be maintained in the field.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
TOMATO (Maturity and Harvesting)	Continuous picking of the crops should be done and proper drainage should be maintained in the field. The harvested produce should be directly sent for sale.
CAPSICUM (Maturity and Harvesting)	Continuous picking of the crops should be done and proper drainage should be maintained in the field. The harvested produce should be directly sent for sale.
CAULIFLOWER (Transplanting)	The transplantation of early varieties of cabbage, cauliflower, broccoli and knol-khol along with root crops like radish and turnip can be taken up in the mid hilly regions but only after sufficient moisture in the field and proper drainage as per the forecasted rainfall.
PUMPKIN (Harvesting)	The harvested produce of cucurbitaceous family should be immediately sent to the market and proper drainage should be maintained in the field.

Live Stock Specific Advisory:

Live Stock	Live Stock Specific Advisory
BUFFALO	Water supplied to livestock should be regularly tested to prevent water-borne diseases. To avoid this use antibacterial drugs like red drug in 1:1000 ratio in stored water. Bleaching powder/chlorine can also be used. To prevent 'footrot' disease, hooves should be dipped in 10% formalin solution or 5% blue solution for 2-3 minutes in the morning and evening for at least 3 days.
COW	Water supplied to livestock should be regularly tested to prevent water-borne diseases. To avoid this use antibacterial drugs like red drug in 1:1000 ratio in stored water. Bleaching powder/chlorine can also be used. To prevent 'footrot' disease, hooves should be dipped in 10% formalin solution or 5% blue solution for 2-3 minutes in the morning and evening for at least 3 days.

Likely impacts of weather warnings (General)

Water logging, impact on seed germination and fresh seedling growth, spoilage of harvested produce

Impact based advisories (General)

Provide proper drainage in the fields and go for re-sowing if seed germination is poor or fresh seedlings are damaged, the harvested horticultural produce should be immediately sent for sale or stored properly.

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>