



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 : 2025-05-16

Weather Forecast of District NAINITAL (Uttarakhand) Issued On : 2025-05-16 (Valid Till 08:30 IST of the next 5 days)

Parameter	2025-05-17	2025-05-18	2025-05-19	2025-05-20	2025-05-21
Rainfall(mm)	5.0	4.0	0.0	6.0	7.0
Tmax(°C)	31.0	32.0	33.0	32.0	31.0
Tmin(°C)	17.0	17.0	17.0	18.0	18.0
RH-I(%)	60	70	70	75	75
RH-II(%)	30	30	30	35	35
Wind Speed(kmph)	6	7	6	5	6
Wind Direction(Degree)	140	140	140	140	140
Cloud Cover(Octa)	5	5	1	6	6
Warning	Thunderstorms & Lightning, Squall etc; Hailstorm; Strong Surface Winds	No Warning	No Warning	Thunderstorms & Lightning, Squall etc; Strong Surface Winds	Thunderstorms & Lightning, Squall etc; Strong Surface Winds

Forecast Summary:

The upcoming week predicts very light rainfall of 4-7 mm and maximum-minimum temperature varying between 31.0-33.0oC and 17.0-18.0oC, respectively. The wind is expected to blow from south-east direction at a speed of 5-7 kmph. On 16, 19 and 20 May thunderstorm accompanied with lightning/gusty winds (40-50 kmph)/ Hail/ Squall is expected to occur over isolated places in Nainital.

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

Thunderstorm & lightning, squall, etc. and strong surface winds

Likely impacts of weather warnings on Agriculture and associated Agromet advisories

Damage to fresh seedlings and disruption in regular farming activities including chemical spraying, irrigation application and hoeing-weeding.

General Advisory:

Farmers can download the "Meghdoot" and "Damini" app available for regular update of meteorological and lightning data, respectively from Google Play Store (Android users) and App Centre (iOS users). The extended range forecast shows deficient rainfall and normal maximum-minimum temperature trend during 23.05.2025 to 29.05.2025.

SMS Advisory:

As per the IMD forecast thunderstorm/lightning/squall and strong surface winds has been predicted so any type of chemical application should be scheduled on days without warnings.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
RICE (Sowing)	In medium higher hills under irrigated conditions nursery should be prepared and treated seeds of high yielding varieties should be used. Regular weeding-hoeing and irrigation application should be done in Chetki Dhan. The irrigation application and nursery preparation should be done during the days without warning.
PIGEON PEA (RED GRAM/ARHAR) (Sowing)	Short duration well treated and high yielding varieties should be sown. Sowing should be done during dry days and avoided during strong windy days.
MAIZE (Sowing)	In mid hilly areas, sowing of crop can be done in the second fortnight of the month. Sowing should be scheduled on dry days and avoided under strong surface winds.
BARNYARD MILLET (Sowing)	Traditional varieties or high yielding varieties should be sown in the higher hills. Sowing should be scheduled on dry days and avoided under strong surface winds.
FINGER MILLET (Sowing)	In higher hills these crops can be sown in the second fortnight. High yielding and well treated seeds should be used. Sowing should be scheduled on dry days and avoided under strong surface winds.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
ONION (Physiological Maturity)	If onion crops are ready and leaves are falling on the surface then irrigation should be stopped and digging should be done in the upcoming 15-20 days. The harvesting should be scheduled on dry days.
TOMATO (Vegetative)	To control of viral diseases in tomato crop, remove and destroy the infected plants(when shrunken speckled leaves are visible), To control the juice sucking insect in these crops, sarvangi insecticide should be sprayed. To save the crop from blight disease, it is advised that solution of Mancozeb @ 2.5g/liter or copper oxychloride @ 3g/lit of water should be sprayed. The chemical sprays should be scheduled on dry and non-windy days.
CHILLI (Vegetative)	To control of viral diseases in chilli crop, infected plants (contracted piebald leaves)should be removed and destroyed.(when shrunken speckled leaves are visible), To control the juice sucking insect in these crops, sarvangi insecticide should be sprayed. To save the crop from blight disease, it is advised that solution of Mancozeb @ 2.5g/liter or copper oxychloride @ 3g/lit of water should be sprayed. The chemical sprays should be scheduled on dry and non-windy days.
BRINJAL (Vegetative)	In one month old transplanted crop, top dressing of urea should be done. The top dressing should be scheduled on dry and non-windy days.
CAPSICUM (Vegetative)	In one month old transplanted crop, top dressing of urea should be done. The top dressing should be scheduled on dry and non-windy days.
GARLIC (Physiological Maturity)	Irrigation should be stopped in the mature garlic crop and harvesting of bulbs should be done and dried in shade. The harvesting should be scheduled on dry days.

Live Stock Specific Advisory:

Live Stock	Live Stock Specific Advisory
COW	Temperature of animal shed should be maintained using cooling devices such as fan, cooler or latest cooling device to maintain the productivity of foreign cows and save them from diseases. Foreign cows are unable to tolerate excessive heat, due to which their ability to consume food decreases which affect their production. Therefore, to maintain the production of foreign cows and to prevent diseases, temperature of animal shed should be maintained using cooling equipment like fan, cooler or latest cooling devices.

Live Stock	Live Stock Specific Advisory
BUFFALO	In the summer season, time to time spraying of melathiyani or other insecticide should be done in the drains near the animal shed. 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. If symptoms of mastitis are seen in dairy cattle, treat it immediately.

Others (Soil / Land Preparation) Specific Advisory:

Others (Soil / Land Preparation)	Others (Soil / Land Preparation) Specific Advisory
GENERAL ADVICE	Soil sample should be taken from 10-15 different places in this month from fallow field after harvesting of rabi crops. Soil sample should be taken up to the depth of 20cm

Likely impacts of weather warnings (General)

Thunderstorm & lightning, squall, etc. and strong surface winds are expected on 16, 19 and 20 May which may impact young seedlings and sowing operations. Disruption in regular farming activities.

Impact based advisories (General)

Sowing should be delayed and scheduled on dry days. The other farming operations should be avoided under strong windy conditions.

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>