



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



Agromet Advisory Bulletin

Date : 2025-04-17

Weather Forecast of District UDAMSINGH-NAGAR (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	2.0	10.0	6.0	0.0
Tmax(°C)	35.0	35.0	33.0	33.0	34.0
Tmin(°C)	19.0	20.0	20.0	19.0	19.0
RH-I(%)	56	53	75	60	50
RH-II(%)	28	29	50	35	30
Wind Speed(kmph)	5	6	20	15	6
Wind Direction(Degree)	150	145	80	61	65
Cloud Cover(Octa)	1	3	8	6	0
Warning	No Warning	No Warning	Thunderstorms & Lightning, Squall etc; Strong Surface Winds	Thunderstorms & Lightning, Squall etc; Strong Surface Winds	No Warning

Forecast Summary:

During the last week (11th to 17th April) 59.6 mm rainfall was recorded and maximum-minimum temperatures ranged between 28.5 to 36.5 0oC and 16.7 to 21.0oC respectively. The morning and evening relative humidity ranged between 58-96% and 22-59% respectively. The wind blew from east-north-east west-south-west, and north-north-west at a speed of 1.6-6.3 kmph. The weather was breezy with partly cloudy sky with moderate to dense clouds on some days last week. Light rainfall of 2-10 mm is expected in the coming week and maximum-minimum temperatures are expected to be 33.0-35.0 °C and 17.0-20.0 °C respectively. Very light to light rain is likely at some places on 19th and 20th April, Thunderstorm with lightning/hail and gusty winds (50-60 and 30-40 kmph) at isolated places on 19th and 20th April, 2025.

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

Orange alert has been issued regarding rain accompanied with thunderstorm, lightning, squall, hail, strong surface winds etc on 19th and similar conditions may occur on 20th for which Yellow alert has been issued.

Likely impacts of weather warnings on Agriculture and associated Agromet advisories

Mature crops will be affected by hailstorm, 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 about weather forecast and agrometeorological advisory is available on “Meghdoot App” and “Damini App” is also available to get lightning information. Meghdoot and Damini apps can be downloaded from Google Play Store (Android users) and App Centre (iOS users). NDVI indicates moderate agricultural strength over the overall region. The extended range forecast system shows that the forecast trend for April 11-17 will see normal rainfall, maximum and minimum temperature trend.

SMS Advisory:

Light rainfall of 2-10 mm is expected in the coming week.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
CHICK PEA (Harvesting)	Harvest the mature pods and dry the harvested produce properly.
MUSTARD (Harvesting)	Harvest the mature pods and dry the harvested produce properly.
GREEN GRAM (Sowing)	The sowing should be done or intercropped with sugarcane.
WHEAT (Harvesting)	The mature grains should be harvested and dried properly.
LENTIL (Harvesting)	Harvest the mature pods and dry the harvested produce properly.
FODDER SORGHUM (Sowing)	Fodder sorghum can be sown during the second fortnight of this month.
SUGARCANE (Vegetative)	As per recommendation top dressing of urea can be done after irrigation.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
MANGO	The blossom affected by gumma disease should be plucked and removed. Irrigation should be started when the fruit of mango gain the size like pea. Basin should be prepared and 2-3 irrigation should be given at an interval of 10-15 days.
COLOCASIA/ TARO (Sowing)	Sowing of early varieties can be done this month but the sowing operation should be scheduled as per the forecast.
PUMPKIN (Sowing)	On the occurrence of leaf spot disease in cucurbitaceous (pumpkin class vegetables) crop, solution of mancozeb @ 2.5 g/lit of water should be sprayed.

Live Stock Specific Advisory:

Live Stock	Live Stock Specific Advisory
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.
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.

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. Sowing can be impacted.

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. Sowing should be delayed.

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>