



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 : 2025-08-22

Weather Forecast of District UDAMSINGH-NAGAR (Uttarakhand) Issued On : 2025-08-22 (Valid Till 08:30 IST of the next 5 days)

Parameter	2025-08-23	2025-08-24	2025-08-25	2025-08-26	2025-08-27
Rainfall(mm)	8.0	6.0	15.0	20.0	12.0
Tmax(°C)	35.0	33.0	32.0	32.0	33.0
Tmin(°C)	24.0	24.0	23.0	23.0	24.0
RH-I(%)	85	82	90	90	84
RH-II(%)	61	62	62	65	62
Wind Speed(kmph)	8	9	11	9	8
Wind Direction(Degree)	110	120	140	150	140
Cloud Cover(Octa)	7	5	6	7	6
Warning	Heavy Rain; Thunderstorms & Lightning, Squall etc	Heavy Rain; Thunderstorms & Lightning, Squall etc	Heavy Rain; Thunderstorms & Lightning, Squall etc	Heavy Rain; Thunderstorms & Lightning, Squall etc	Thunderstorms & Lightning, Squall etc

Forecast Summary:

Last week (15 to 21 August), the region experienced 34.0 mm rainfall with the maximum-minimum temperature ranging 27.2 to 34.5°C and 25.0 to 26.8°C, respectively. The morning and evening relative humidity varied between 83-89% and 59-89%, respectively while the wind blew from north, east-north-east, east-south-east, east and south-east at a speed ranging 1.2-5.2 kmph. Most days were clear last week. The upcoming forecast shows light rainfall of 6-20 mm and maximum-minimum temperature are expected to vary as 32.0-35.0°C and 23.0-24.0°C, respectively. The wind is expected to blow from east-south-east, south-east-east, south-east and south-east-south direction at a speed of 8-11 kmph. Yellow warning has been issued regarding the occurrence of heavy rain, thunderstorm, lightning, intense rain spell from 22-25 August while thunderstorms, lightning, intense rain spell without heavy rainfall warning has been issued for 26 August.

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

Yellow warning has been issued regarding heavy rainfall accompanied by thunderstorm/lightning/intense rain spell.

Likely impacts of weather warnings on Agriculture and associated Agromet advisories

Water logging, germination and seedling growth of green gram and black gram will be impacted. Provide proper drainage, go for re-sowing in case spoilage of seedlings.

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 22.08.2025 to 28.08.2025.

SMS Advisory:

As per IMD, heavy rainfall has been predicted so proper drainage measures should be taken.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
RICE (Vegetative)	Symptoms of bacterial blight disease if seen in paddy such as water soaked spots on the leaves and their gradual increase to become long stripes. These stripes gradually turn light brown. To prevent this disease from spreading in the field, do not keep water logged condition in the field. Along with this, nitrogen application should be stopped for the time being and in case of excessive disease, spray 15 grams of streptocycline + 500 grams of copper oxychloride in 1000 liters of water per hectare under clear weather conditions. All the farming activities should be performed under clear weather conditions and in case of heavy rainfall drainage measures should be taken in the field.
MAIZE (Vegetative)	Irrigation should be avoided and chemical spray is required against disease as blight and insect such as fall army worm but it should be done only under clear weather conditions. Proper drainage should be maintained under heavy rainfall conditions.
BLACK GRAM (Seedling Growth)	Proper drainage should be maintained in the freshly sown plots while the farming activities in the last month sown crop should be carried out. In case of spoilage of seedlings go for re-sowing.
GREEN GRAM (Seedling Growth)	Proper drainage should be maintained in the freshly sown plots while the farming activities in the last month sown crop should be carried out. In case of spoilage of seedlings go for re-sowing.
GROUNDNUT (Vegetative)	In groundnut, weeding should be done at an interval of 15-20 days after sowing and to destroy the weeds chemically. Any chemical application or spray should be done under clear weather conditions. Proper drainage should be maintained in the field.
SUGARCANE (Tillering)	According to the requirement, second tying of the crop should be done and it should be 50 cm above the first tying. Three stalks of two lines should be tied together (scissors tied). In case of white grub infestation Fipronil 40 percent and Imidacloprid 40 percent WG @200g/acre should be applied in the field by dissolving it in 500 liters of water. In case of water logging, proper drainage should be arranged and all the farming activities particularly chemical application should be done under clear weather conditions.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
CAULIFLOWER (Transplanting)	Proper drainage should be maintained in the field and any kind of chemical application should be delayed under heavy rainfall conditions. The mid season varieties of cauliflower can be transplanted and regular weeding in the early varieties should be done. All the farming activities should be done keeping the forecast in mind.
PUMPKIN (Maturity and Harvesting)	Ripened cucurbitaceous crop should be stored in a safe place and on occurrence of yellow spot of irregular shape in standing crop, leaves should be examined by turning and if there is a growth of light gray fungus in the lower portion of leaves then it should be controlled by spraying the solution of Mancozeb @ 2.5 g/ lit. Spraying of chemical should be avoided under heavy rainfall conditions and proper drainage should be provided 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. To save the animal from Gal-Ghotu disease, tie them in neat and clean places. When symptoms of Gal-Ghotu disease appeared in the animals, then inject Suphonamides like Sulphamethazine or Sulphadimidne 150mg/Kg in the veins of animal for three days with the advice of Veterinarian.
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. To save the animal from Gal-Ghotu disease, tie them in neat and clean places. When symptoms of Gal-Ghotu disease appeared in the animals, then inject Suphonamides like Sulphamethazine or Sulphadimidne 150mg/Kg in the veins of animal for three days with the advice of Veterinarian.

Likely impacts of weather warnings (General)

Water logging, spoilage of germinated and fresh seedlings of black gram and green gram.

Impact based advisories (General)

Proper drainage should be provided and in case of spoilage of fresh seedlings re-sowing should be done.

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>