



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 : 2025-08-14

Weather Forecast of District UDAMSINGH-NAGAR (Uttarakhand) Issued On : 2025-08-14 (Valid Till 08:30 IST of the next 5 days)

Parameter	2025-08-15	2025-08-16	2025-08-17	2025-08-18	2025-08-19
Rainfall(mm)	35.0	15.0	40.0	35.0	20.0
Tmax(°C)	29.0	31.0	30.0	29.0	30.0
Tmin(°C)	26.0	26.0	26.1	26.1	25.9
RH-I(%)	89	86	87	88	89
RH-II(%)	90	85	90	90	90
Wind Speed(kmph)	4	7	7	4	3
Wind Direction(Degree)	100	110	120	100	100
Cloud Cover(Octa)	8	7	8	8	8
Warning	Very Heavy Rain; Thunderstorms & Lightning, Squall etc	Thunderstorms & Lightning, Squall etc	Thunderstorms & Lightning, Squall etc	Thunderstorms & Lightning, Squall etc	Thunderstorms & Lightning, Squall etc

Forecast Summary:

Last week (7 to 13 August), the region experienced 53.0 mm rainfall with the maximum-minimum temperature ranging 28.5 to 33.4oC and 25.0 to 27.3oC, respectively. The morning and evening relative humidity varied between 92-95% and 69-90%, respectively while the wind blew from west, north, south-east, east-north-east, west-north-west and west-south-west direction at a speed ranging 1.4-5.5 kmph. Most of the days were rainy last week. The upcoming forecast shows light to moderate rainfall of 15-35 mm and maximum-minimum temperature are expected to vary as 29.0-31.0oC and 25.9-26.1oC, respectively. The wind is expected to blow from east-south, south-east-east and east-south-east direction at a speed of 3-7 kmph. An orange alert has been issued regarding heavy to very heavy rain/thunderstorm accompanied with lightning / intense to very intense spell of rain at isolated places on 14 August and yellow alert has been issued regarding thunderstorm accompanied with lightning / intense to very intense rain spell at isolated places on 15, 16, 17, 18 August.

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

Orange and yellow alert regarding rainfall/thunderstorm/lightning/intense rain spell at isolated places.

Likely impacts of weather warnings on Agriculture and associated Agromet advisories

Water logging, disruption of sowing and spraying operations. Proper drainage should be provided and the spraying operations should be postponed under heavy rainfall.

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 15.08.2025 to 21.08.2025.

SMS Advisory:

As per IMD forecast proper drainage should be provided under heavy rainfall conditions and other farming operations can be scheduled on light rainfall days.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
RICE (Vegetative)	Regular weeding should be done and proper drainage should be maintained in the field under heavy rainfall conditions. Weedicide application and top dressing of urea should be done under optimum soil moisture conditions after heavy rainfall. All the farming activities should be scheduled after heavy rainfall days.
MAIZE (Vegetative)	Monitor the crop properly and apply Mancozeb or Zineb 75 WP @ 1.5 -2.0 kg in 750- 800 litres of water per hectare on occurrence of blight (Yellow or brown coloured egg shaped spots). Second spraying should be done at 10-15 days interval. In case of fall army worm attack in the plain regions, Chlorantraniliprole 18.5 SC @0.4 ml/l of water should be applied. All the spraying operations should be scheduled after heavy rainfall days. However, all the chemical applications and farming operations should be done keeping the forecast in mind.
BLACK GRAM (Sowing)	The sowing of the pulse crop should be completed. Weeding and thinning operation should be regularly done in already sown crop on light rainfall days. Proper drainage should be arranged in the field and all the farming operations should be carried out keeping the forecast in mind.
GREEN GRAM (Sowing)	The sowing of the pulse crop should be completed. Weeding and thinning operation should be regularly done in already sown crop on light rainfall days. Proper drainage should be arranged in the field and all the farming operations should be carried out keeping the forecast in mind.
GROUNDNUT (Vegetative)	In groundnut, weeding should be done at an interval of 15-20 days after sowing and to destroy the weeds chemically, Pendimethalin 30 EC, 3.3 liters or 4 liters of Alachlor 50 EC dissolved in 500 -700 liters of water should be sprinkled after sowing and before the germination of weeds but only under dry conditions. The remaining amount of gypsum and an entire amount of borax should be used as top dressing in 3 week old crop and mix it well upto 3-4 cm depth by light hoeing. Any chemical application and cultivation activities should be done keeping the forecast in mind.
SESAME (GINGELLY/TIL) (Vegetative)	Weeding operation should be carried out in the crop and top-dressing of urea should be done under optimum soil moisture conditions. All the farming activities should be scheduled as per the forecast.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
CAULIFLOWER (Transplanting)	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 on dry days.
PUMPKIN (Harvesting)	On the occurrence of yellow spot of irregular shape on cucurbitaceous crops, 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. Proper drainage should be maintained in the field. Spraying of chemical should be done keeping in view the weather forecast. Ripened Pumpkin type crops should be harvested and stored well.
GUAVA	Continue grafting of guava seedlings.

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, disruption of sowing and spraying operations.
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Impact based advisories (General)

Proper drainage should be provided and the spraying operations should be postponed under heavy rainfall.
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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>