



**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 : 2025-08-29

Weather Forecast of District UDAMSINGH-NAGAR (Uttarakhand) Issued On : 2025-08-29 (Valid Till 08:30 IST of the next 5 days)

Parameter	2025-08-30	2025-08-31	2025-09-01	2025-09-02	2025-09-03
Rainfall(mm)	40.0	10.0	30.0	30.0	15.0
Tmax(°C)	30.0	32.0	31.0	31.0	32.0
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	7
Warning	Heavy Rain; Very Heavy Rain; Thunderstorms & Lightning, Squall etc	Thunderstorms & Lightning, Squall etc	Thunderstorms & Lightning, Squall etc	Heavy Rain; Thunderstorms & Lightning, Squall etc	Thunderstorms & Lightning, Squall etc

### Forecast Summary:

Last week (22 to 28 August), the region experienced 87.2 mm rainfall with the maximum-minimum temperature ranging 31.2 to 34.0°C and 24.7 to 26.6°C, respectively. The morning and evening relative humidity varied between 82-95% and 57-79%, respectively while the wind blew from east-south-east and south-east direction at a speed ranging 4.6-12.7 kmph. Most of the days were rainy days last week. The upcoming forecast shows light to moderate rainfall of 10-40 mm and maximum-minimum temperature are expected to vary as 31.0-32.0°C and 25.9-26.1°C, respectively. The wind is expected to blow from east-south, east-south-east and south-east-east direction at a speed of 3-7 kmph. Orange alert has been issued regarding the occurrence of heavy to very heavy rainfall accompanied by thunderstorm/lightning and intense rain spell at isolated places on 29 August and similar conditions with heavy rainfall are expected on 1 September with yellow alert. A yellow alert has been issued for 30, 31 August and 2 September regarding the occurrence of thunderstorm/lightning and intense rain spell at isolated places.

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

Heavy rainfall on few days in the upcoming week for which orange and yellow alert has been issued.

### Likely impacts of weather warnings on Agriculture and associated Agromet advisories

Waterlogging Proper drainage should be provided in the field.

**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 large excess rainfall, normal maximum-minimum temperature trend during 29.08.2025 to 04.09.2025.

**SMS Advisory:**

As per IMD, heavy rainfall may occur on few days so proper drainage should be maintained in the field.

**Crop Specific Advisory:**

Crop (Stage)	Crop Specific Advisory
RICE (Panicle Initiation)	The crop would now observe initiation of panicle formation during which top dressing of urea has to be done along with drainage maintenance in the field. On occurrence of bacterial blight symptoms such as water-soaked spots on the leaves which gradually increase to become long stripes ultimately 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. The spray should be done at 7-10 days interval. On the occurrence of stem borer above ETL, chlorantraniliprole 20 SC @150ml/ha or flubendiamide 480 SC @75ml/ha or Fipronil 5 SC @ 1.0 lit or 600 g Cartap hydrochloride 50 WP or 2.5 lit of Chlorpyrifos 20 EC in 500-600 lit of water /ha should be sprayed. On occurrence of common pest i.e. brown plant hopper farmers need to spray Triflumezopyrim 10 SC @235ml/ Fipronil 5 SC @1000 ml/ Buprofezin 25 SC @1 litre/ Thiamethoxam 25 WSG @100gm mixed in 500 litre water per hectare. The spray should be done near the stem. Buprofezin should be used in case of less infestation, Triflumezopyrim in case of heavy infestation and Fipronil 5 SC in case of stem borer+brown plant hopper attack. Though these chemical sprays are important but they should be done under light rainfall conditions and avoided under strong winds.
SUGARCANE (Grand growth)	The most prevalent red rot disease symptoms may appear which occurs after monsoon season and continues to persist till harvesting. For this the farmers need to use resistant varieties and keep their fields clean. The infested canes should be plucked from the root and burned to stop further spread. Complete destruction of infected canes and use of treated seeds are the best preventive measures. As per the requirement, the 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. The chemical sprays should be avoided under heavy rainfall and strong winds.
MAIZE	As the cobs start filling seeds, avoid irrigating under rainfall conditions. On occurrence of pest infestation appropriate farming measures should be taken. In case of fall army worm attack in the plain regions, Chlorantraniliprole 18.5 SC @0.4ml/l of water should be applied. 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 ship shaped spots). Second spraying should be done at 10-15 days interval. The chemical sprays should be done under light rainfall conditions and avoid spraying under strong winds.
GREEN GRAM (Vegetative )	Weeding operation should be taken up in the last month sown crop and avoid irrigating under predicted conditions.
BLACK GRAM (Vegetative )	Weeding operation should be taken up in the last month sown crop and avoid irrigating under predicted conditions.
SOYABEAN (Pod initiation )	If rainfall does not fulfill the soil moisture requirement then on formation of flowers and pods light irrigation should be applied otherwise irrigation should be avoided.
GROUNDNUT (Vegetative )	In tikka disease, light brown circular spots are formed on the leaves, around which there are yellow circles on the lower surface. For its treatment,

Crop (Stage)	Crop Specific Advisory
	Chlorothalonil 2 kg/ Mancozeb 80% 2 kg/ Propiconazole 25 EC 500 ml dissolved in 800 to 1000 litres per hectare should be sprayed 2-3 times at an interval of 10-12 days. The chemical spray should be done under light rainfall conditions and avoided under strong winds.

### Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
CAULIFLOWER (Transplanting)	The late varieties of cauliflower, cabbage varieties and knol-khol can be transplanted in this month and this should be done when the seedling become 4-6 weeks old or they attain 4-6 leaf stage.
RADISH (Sowing)	The european varieties of radish , asian and european varieties of carrot and beetroot varieties can be sown during this month. The sowing should be done under light rainfall conditions.
CHILLI (Vegetative )	On drying of the upper stipe of chilly crop and if it is turning black, then infected branches should be removed by plucking to save the crop. To save the crop from rotting spray 0.1% Caerbendazim solution under light rainfall conditions. The spray should be avoided under heavy rainfall and strong winds.
PAPAYA (Harvesting)	On the occurrence of collar rot disease in papaya, application of Metalaxyl + Mancozeb (Ridomil Gold) @ 2g/lit water has been found very effective. Spray may be repeated at 10 days interval and done under light rainfall conditions only. The chemical spray should be avoided under strong windy conditions.

### Live Stock Specific Advisory:

Live Stock	Live Stock Specific Advisory
COW	The milk of female calves should be weaned from the mother only after six months, so that their physical development can take place in a good way.
BUFFALO	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)

Waterlogging
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### Impact based advisories (General)

Proper drainage should be provided in the field.
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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>**