



**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 : 2025-09-02

Weather Forecast of District UDAMSINGH-NAGAR (Uttarakhand) Issued On : 2025-09-02 (Valid Till 08:30 IST of the next 5 days)

Parameter	2025-09-03	2025-09-04	2025-09-05	2025-09-06	2025-09-07
Rainfall(mm)	65.0	22.0	5.0	6.0	10.0
Tmax(°C)	29.0	30.0	32.0	33.0	32.0
Tmin(°C)	24.0	25.0	26.0	26.0	26.0
RH-I(%)	90	80	82	86	90
RH-II(%)	55	60	58	58	60
Wind Speed(kmph)	9	6	7	8	6
Wind Direction(Degree)	110	120	130	140	150
Cloud Cover(Octa)	6	6	5	5	5
Warning	Very Heavy Rain; Extremely Heavy Rain; Thunderstorms & Lightning, Squall etc	Heavy Rain; Very Heavy Rain; Thunderstorms & Lightning, Squall etc	Thunderstorms & Lightning, Squall etc	Thunderstorms & Lightning, Squall etc	Thunderstorms & Lightning, Squall etc

### Forecast Summary:

Last week (26 August to 1 September), the region experienced 233.2 mm rainfall with the maximum-minimum temperature ranging 28.5 to 34.0°C and 23.8 to 26.6°C, respectively. The morning and evening relative humidity varied between 82-98% and 57-79%, respectively while the wind blew from south-east, east, east-south-east and south-south-east direction at a speed ranging 6-9 kmph. Most of the days were rainy days last week. The upcoming forecast shows light to extremely rainfall of 5.0-65.0 mm and maximum-minimum temperature are expected to vary as 29.0-33.0°C and 24-26°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 6-9 kmph. A red alert has been issued regarding the very heavy to extremely heavy rainfall with thunderstorms/lightning and intense rain spell on 2 September which would continue with heavy rainfall and thunderstorm conditions on 3 September indicated by orange alert while yellow alert has been issued for thunderstorm/lightning and intense rain spell isolated places on 4, 5 and 6 September.

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

Heavy to extremely heavy rainfall on few days.

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

Waterlogging and disruption of farming activities. Proper drainage should be maintained in the field and the farming activities should be scheduled on clear days.

**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 forecast, heavy rainfall is predicted on few days so to avoid water logging proper drainage channels should be maintained.

**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 proper 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 spreading of bacterial blight disease 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 under clear weather conditions and avoided under strong winds. On the occurrence of stem borer above ETL, chlorantraniliprole 20 SC @150ml/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. All the sprays should be scheduled under clear weather conditions and avoid these sprays on strong windy days.
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 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. All the chemical spray should be scheduled under clear weather conditions and should be avoided under strong winds.
MAIZE (Vegetative )	As the cobs start filling seeds, appropriate soil moisture should be maintained and in case of heavy rainfall, proper drainage should be maintained in the field. 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 spray should be done under clear weather conditions and avoided under strong windy conditions.
BLACK GRAM (Vegetative )	Weeding operation should be taken up in the last month sown crop and soil moisture should be maintained. Proper drainage should be maintained in the field under heavy rainfall.
GREEN GRAM (Vegetative )	Weeding operation should be taken up in the last month sown crop and soil moisture should be maintained. Proper drainage should be maintained in the field under heavy rainfall.

Crop (Stage)	Crop Specific Advisory
SOYABEAN (Pod Development)	Soil moisture should be maintained in the field as pods are forming and proper drainage should be provided in case of heavy rainfall.
GROUNDNUT (Vegetative )	Occurrence of Tikka disease can be treated using Chlorothalonil 2 kg/ Mancozeb 80% 2 kg/ Propiconazole 25 EC 500 ml dissolved in 800 to 1000 litres per hectare at an interval of 10-12 days. The spray should be scheduled on clear days and avoided under strong winds.

#### Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
CHILLI (Harvesting)	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% Carbendazim solution under light rainfall conditions. The spray should be avoided under heavy rainfall and strong winds. Proper drainage channels should be maintained in the field.
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. The transplanting operation should be done under light rainfall conditions and protective net should be used to avoid damage by strong winds. Proper drainage should be provided in the field.
RADISH (Sowing)	The european varieties of radish , asian and european varieties of carrot, turnip varieties and beetroot varieties can be sown during this month. The sowing can be done under clear weather conditions and proper drainage should be maintained in the field.
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. All the chemical spray should be done under clear weather conditions and avoided under strong winds.

#### 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. Under heavy rainfall proper warmth and food should be provided and cleanliness should be maintained in the cow shed.
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. Under heavy rainfall proper warmth and food should be provided and cleanliness should be maintained in the shed.

#### Likely impacts of weather warnings (General)

Waterlogging and disruption of regular farming activities.
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#### Impact based advisories (General)

Provide proper drainage and the regular farming activities like chemical spray and weeding-hoeing should be done under clear weather conditions without strong winds.
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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 lightning.**

**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>**

