



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 : 2025-09-16

Weather Forecast of District UDAMSINGH-NAGAR (Uttarakhand) Issued On : 2025-09-16 (Valid Till 08:30 IST of the next 5 days)

Parameter	2025-09-17	2025-09-18	2025-09-19	2025-09-20	2025-09-21
Rainfall(mm)	15.0	12.0	13.0	11.0	4.0
Tmax(°C)	26.0	27.0	28.0	28.0	29.0
Tmin(°C)	19.0	18.0	17.0	17.0	18.0
RH-I(%)	96	90	90	90	88
RH-II(%)	68	64	65	64	62
Wind Speed(kmph)	8	3	3	4	4
Wind Direction(Degree)	110	120	130	140	140
Cloud Cover(Octa)	5	3	2	2	2
Warning	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 (9 to 15 September), the region experienced 11.0 mm rainfall with the maximum-minimum temperature varying between 27.0 to 33.5oC and 24.8 to 26.5oC, respectively. The morning and evening relative humidity varied between 89-95% and 65-89%, respectively while the wind blew from west, west-north-west, east, south-south-east and east-south-east direction at a speed ranging 0.9-8.6 kmph. Most of the days were cloudy last week. The upcoming forecast shows very light to light rainfall of 4-15 mm and maximum-minimum temperature are expected to be 26.0 to 29.0oC and 17.0 to 19.0oC, 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 3-8 kmph. Yellow warning has been issued regarding the occurrence of light to moderate rainfall accompanied by thundershowers from 16-22 September.

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

Yellow warning regarding light to moderate rainfall and thundershowers.

Likely impacts of weather warnings on Agriculture and associated Agromet advisories

No significant impact. However any kind of chemical spray should be avoided under strong windy conditions.

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-minimum temperature trend during 12.09.2025 to 18.09.2025.

SMS Advisory:

As per IMD, light to moderate rainfall with thundershowers has been predicted so all the chemical sprays should be done under clear weather conditions and light rainfall.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
RICE (Panicke Initiation)	On occurrence of bacterial blight symptoms, 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 Chlorpyrifos 20 EC in 500-600 lit of water /ha should be sprayed during clear weather conditions or light rainfall conditions. On occurrence of common pest i.e. brown plant hopper farmers need to spray Fipronil 5 SC @1000 ml/ Thiamethoxam 25 WSG @100gm mixed in 500 litre water per hectare. The spray should be done near the stem. All the chemical sprays should be done keeping the forecast in mind and proper drainage should be maintained in the fields
SUGARCANE (Grand growth)	Sufficient soil should be applied to the roots of sugarcane and as no heavy rainfall has been predicted so other farming operations like tying of the crop at good growth stage should be done at a height of 5 feet. Soil moisture should be maintained.
MAIZE (Vegetative)	As the cobs start filling, moisture 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. Second spraying should be done at 10-15 days interval. The early maize varieties should be harvested on maturity and stored well. All the spray operations should be done under clear weather conditions and light rainfall conditions.
BLACK GRAM (Vegetative)	On occurrence of yellow mosaic virus which is transferred by white fly, apply pyriproxyfen 10 E.C. @0.5 litre / ha mixed in 500-600 litre of water at 10-12 days interval. All the spraying operations should be done under clear and light rainfall conditions.
GREEN GRAM (Vegetative)	On occurrence of yellow mosaic virus which is transferred by white fly, apply pyriproxyfen 10 E.C. @0.5 litre / ha mixed in 500-600 litre of water at 10-12 days interval. All the spraying operations should be done under clear and light rainfall conditions.
SOYABEAN (Pod Development)	Sufficient soil moisture should be maintained on flower/pod formation. On occurrence of yellow mosaic virus which is transferred by white fly, apply pyriproxyfen 10 E.C. @0.5 litre / ha mixed in 500-600 litre of water at 10-12 days interval. The farmers should use resistant varieties against yellow mosaic virus. All the spraying operations should be done under clear and light rainfall conditions.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
CAULIFLOWER (Transplanting)	Four to six weeks after transplanting, light hoeing should be done and soil should be applied to the roots. Active Ingredient fluchlorolin @1.0 kg/ha should be applied for chemical weed control one day before planting. All the spraying farming activities should be done under clear weather or light rainfall conditions. Proper drainage should be maintained under heavy rainfall conditions.

Horticulture (Stage)	Horticulture Specific Advisory
RADISH (Sowing)	In radish crop if soil is dry then moisture should be maintained in the freshly sown field just after sowing as well as at the appearance of 3-4 leaves.
BEETROOT (Sowing)	When there is sufficient moisture after sowing, first irrigation should be done after thinning. All the farming activities should be scheduled under clear and light rainfall conditions.
CARROT (Sowing)	After germination regular weeding should be done and plant to plant distance should be maintained at 6-10 cm. All the farming activities should be done under clear weather and light rainfall.
SPINACH (Sowing)	3-4 irrigations are must for entire crop season and soil moisture should be maintained during the period. All the farming activities should be done under clear weather and light rainfall.

Live Stock Specific Advisory:

Live Stock	Live Stock Specific Advisory
COW	After 15 days calves should be fed with calcium, magnesium, phosphorus, zinc, iron, iodine and copper elements should be consumed in the form of salt mixture or mineral drops.
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.
GOAT	In rural areas, 2 shots of tetanus toxoid should be administered to sheep and goats at one month and the other at 5 months, so that newborn lambs do not get tetanus disease.
SHEEP	In rural areas, 2 shots of tetanus toxoid should be administered to sheep and goats at one month and the other at 5 months, so that newborn lambs do not get tetanus disease.

Likely impacts of weather warnings (General)

Disruption in chemical sprays against disease/pest.

Impact based advisories (General)

Postpone the chemical spray and avoid under strong windy conditions.
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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>