



**Gramin Krishi Mausam Sewa**  
**District Level Agromet Advisory Bulletin**  
**Govind Ballabh Pant University of Agriculture & Technology**  
 Udham Singh Nagar, Pantnagar, Uttarakhand



## Agromet Advisory Bulletin

**Date: 10.09.2024**

**Weather Forecast of District UDHAMSINGH-NAGAR (Uttarakhand) Issued On: 2024-09-10 (Valid Till 08:30 IST of the next 5 days)**

Parameter	11/09/2024	12/09/2024	13/09/2024	14/09/2024	15/09/2024
Rainfall(mm)	35	40	35	30	25
Max Temp(°C)	35	34	33	32	33
Min Temp(°C)	26	27	28	27	26
Max RH I (%)	80	83	86	88	82
Min RH II (%)	35	40	40	40	35
Wind speed (km/h)	6	6	7	6	5
Wind direction	140	90	50	20	180
Cloud cover	6	7	7	8	7

### Weather Summary/Alert:

Last week (3 to 9 September), the region experienced 40.4 mm rainfall with the maximum-minimum temperature ranging 29.0 to 34.5oC and 24.9 to 26.1oC, respectively. The morning and evening relative humidity varied between 83-95% and 59-95%, respectively while the wind blew from north, north-east and north-north-east ranging 1.5-4.0 kmph. Most of the days observed sunny days with rainy evenings. The upcoming forecast shows light to moderate rainfall of 25-40 mm from 10-14 September and maximum-minimum temperature are expected to vary as 32.0-35.0oC and 26.0-28.0oC, respectively. The wind is expected to blow from east, south-east, north-north-east, north-east and south direction at a speed of 5-7 kmph. Light to moderate rain is likely to occur at most places on 12 September, at many places on 11 & 13 September and at few places on 10,14,15 & 16 September. An orange alert regarding heavy to very heavy rainfall/thunderstorm accompanied with lightening/ very intense to extremely intense rain spell at isolated places has been given for 12 & 13 September. Similar yellow warning has been given for isolated places on 10, 11 and 14 September.

### General Advisory:

For regular updates on weather conditions in the region, the farmers can get updates from the app "Meghdoot" and lightning update from the app "Damini" available on Google Play Store (Android users) and App Centre (iOS users). The NDVI shows good agricultural vigour in the isolated regions of the state ranging 0.20-0.35. The extended range forecast shows large deficient rainfall and normal maximum-minimum temperature trend during 06.09.2024 to 12.09.2024.

### SMS Advisory:

As per the IMD forecast, light to moderate rainfall with orange and yellow alert from 10-14 September has been given so proper drainage should be maintained and the spray should be scheduled accordingly.

### Crop Specific Advisory:

Crop (Varieties)	Stage	Crop Specific Advisory
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Rice	Panicle initiation	Though disease and insect spray may be scheduled but as per the weather forecast and warning, all these sprays should be scheduled accordingly and proper drainage should be provided in the field.
Sugarcane	Grand growth	In case of water logging, proper drainage should be arranged and sufficient soil application to the roots of sugarcane should be scheduled accordingly. When the growth of the crop is good, tie it at a height of 5 feet when the weather is clear.
Maize	Vegetative	Irrigation should be avoided in case of rainfall and proper drainage measures should be taken. Any kind of application should be avoided and scheduled as per the forecast.
Black gram/ green gram	Vegetative	Proper drainage should be maintained in the field and any disease/pest spray should be avoided for the time being and scheduled as per the forecast.
Soyabean	Pod development	Proper drainage should be maintained in the field and any disease/pest spray should be avoided for the time being and scheduled as per the forecast.

#### Horticulture Specific Advisory:

Horticulture (Varieties)	Stage	Horticulture Specific Advisory
Cauliflower	Transplanting	Transplanting should be delayed for the time being and proper drainage should be provided in the transplanted crop.
Radish	Sowing	The sowing should be delayed under the predicted weather conditions and scheduled accordingly. Proper drainage should be maintained in the already sown crop.
Spinach	Sowing	The sowing should be delayed under the predicted weather conditions and scheduled accordingly. Proper drainage should be maintained in the already sown crop.
Cucurbitaceous crops	Harvesting	The harvested produce should be stored well and any kind of spray should be avoided under the current predicted weather conditions.

#### LiveStock Specific Advisory

Livestock	LiveStock 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
Goat/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.