



**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 : 14-08-2023

Weather Forecast of District UDAMSINGH-NAGAR(Uttarakhand) Issued On : 2023-08-14(Valid Till 08:30 IST of the next 5 days)

Parameter	2023-08-15	2023-08-16	2023-08-17	2023-08-18	2023-08-19
Rainfall(mm)	50.0	45.0	15.0	15.0	10.0
Tmax(°C)	29.0	32.0	33.0	33.0	34.0
Tmin(°C)	25.0	25.0	25.0	25.0	25.0
RH-I(%)	95	95	95	95	90
RH-II(%)	65	65	60	65	65
Wind Speed(kmph)	8	4	8	6	6
Wind Direction(Degree)	70	140	70	70	70
Cloud Cover(Octa)	8	7	8	4	7

### Weather Summary/Alert:

In the last seven days (August 7-13), 244.4 mm of rainfall was recorded and the maximum and minimum temperature ranged between 29.6 to 33.0 °C and 23.9 to 27.0 °C. The sky remained cloudy on most of the days last week. The morning relative humidity ranged between 84 to 97% at 0712 hrs and the evening relative humidity ranged between 68 to 83% at 1412 hrs. The wind speed was 1.3 to 6.9 kmph and the wind direction was mostly towards North-North-East. The forecast for the upcoming five days till 19 August shows light to moderate rainfall ranging 10-50 mm while the maximum and minimum temperature would vary between 29- 34 degree celsius and 25 degree celsius, respectively. The wind speed would range between 4-8 kmph and wind direction would mostly be east-north-east. Light to moderate rain/thunderstorm likely to occur at most places on 14th August and at many places on 16th , 17th & 18th August. Similar conditions are likely to occur at many places in Udham Singh Nagar on 15th August, 2023. Warning: An orange alert has been issued for 14 August regarding occurrence of heavy to very heavy rainfall accompanied by thunderstorm/lightning and intense rain spell and yellow alert regarding the same has been issued for 15, 16, 17 and 18 August.

### General Advisory:

The realized rainfall for 3 to 9 August was 115 mm against a normal rainfall of 93 mm which represents a 24% deviation in rainfall for the state and the condition showed excess rainfall condition. The farmers are advised to download "Meghdoot App" to get last week's weather, weather forecast and agrometeorological advice and "Damini App" to get lightning information. Meghdoot and Damini apps can be downloaded from Google Play Store (Android users) and App Center (iOS users). This will help them in taking right decisions regarding farming activities.

### SMS Advisory:

The prediction shows light to moderate rainfall so the farming activities should be taken up accordingly.

### Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
RICE	Regular weeding of the crop is required and the bunds should be kept clean. Weedicide application can be done keeping the forecast in mind. The top-dressing of nitrogen can be done under optimum soil conditions.
SUGARCANE	According to the requirement, second tying of the crop should be done and it should be 50 cm above the first tying. Three stalks of two lines should be tied together (scissors tied). In case of water logging, proper drainage should be arranged and all the farming activities should be done keeping the forecast in mind.
MAIZE	Maize requires at least two weeding, first at an interval of 20 days and the second at an interval of 35 days. Top-dressing of urea should be done when the maize is 2 feet tall. In case of fall army worm attack in the plain regions, Chlorantraniliprole 18.5 SC @0.4 ml/l of water should be applied. However, all the chemical applications and farming operations should be done keeping the forecast in mind.
GREEN GRAM	The sowing of the pulse crop should be completed till mid-August. Weeding and thinning operation should be regularly done in the sown crop. All farming operations should be carried out keeping the forecast in mind.
BLACK GRAM	The sowing of the pulse crop should be completed till mid-August. Weeding and thinning operation should be regularly done in the sown crop. All farming operations should be carried out keeping the forecast in mind.
GROUNDNUT	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. Apply the remaining amount of gypsum and entire amount of borax as top dressing in 3 week old crop and mix it well in the soil up to 3-4 cm depth by light hoeing. Any chemical spraying and cultivation activities should be done keeping the forecast in mind.
SESAME (GINGELLY/TIL)	Carry out weeding operation in the crop and go for top-dressing of nitrogen when optimum soil moisture is there in the field. All farming operations should be carried out keeping the forecast in mind.

### Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
GUAVA	Grafting for Guava seedlings should be continued.
MANGO	The sowing operation of mango seeds/kernels should be continued in the first fortnight of August. The grafting of one year old seedling plant should be done after transplanting it at some other place. All the farming activities should be done keeping the forecast in mind.
CAULIFLOWER	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.
PUMPKIN	Ripened cucurbitaceous crop should be stored in a safe place and on occurrence of yellow spot of irregular shape in standing crop, 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. Spraying of chemical should be done keeping in view the weather forecast.
TOMATO	Harvest the ripe tomatoes regularly and send for procurement. Any kind of chemical spray should be avoided.

### Live Stock Specific Advisory:

<b>Live Stock(Varieties)</b>	<b>Live Stock Specific Advisory</b>
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.
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.

