



**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: 13.08.2024**

**Weather Forecast of District UDHAMSINGH-NAGAR (Uttarakhand) Issued On: 2024-08-13 (Valid Till 08:30 IST of the next 5 days)**

Parameter	14/08/2024	15/08/2024	16/08/2024	17/08/2024	18/08/2024
Rainfall(mm)	15.0	15.0	8.0	8.0	8.0
Max Temp(°C)	34.0	33.0	33.0	32.0	32.0
Min Temp(°C)	26.0	25.0	25.0	25.0	25.0
Max RH I (%)	90	90	85	80	80
Min RH II (%)	65	65	65	60	60
Wind speed (km/h)	12	12	8	10	12
Wind direction	90	90	130	130	90
Cloud cover	8	8	8	8	8

### Weather Summary/Alert:

Last week (6 August to 12 August), the region experienced 145.2 mm rainfall with the maximum-minimum temperature ranging 28.0 to 32.1oC and 24.6 to 26.1oC, respectively. The morning and evening relative humidity varied between 89-97% and 71-93%, respectively while the wind blew from north-north-east and east at a speed ranging 5.8-7.9 kmph. Most days were rainy days last week and the sky was mostly clouded. The upcoming forecast shows light rainfall of 8-15 mm from 13-17 August and maximum-minimum temperature are expected to vary as 32.0-34.0oC and 25.0-26.0oC, respectively. The wind is expected to blow from east and south-east direction at a speed of 8-12 kmph. Light rainfall is likely to occur at most places on 13-17th August. A yellow warning regarding the occurrence of heavy to very heavy rainfall/ thunderstorm accompanied with lightning/intense to very intense rain at isolated places has been given for 13 to 17 August.

### 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 normal rainfall, below normal maximum and minimum temperature trend during 09.08.2024 to 15.08.2024.

### SMS Advisory:

As per the IMD forecast, light rainfall has been predicted so farmers can schedule sowing, spraying and urea top dressing accordingly.

### Crop Specific Advisory:

Crop (Varieties)	Stage	Crop Specific Advisory
Rice	Vegetative	The weeding of the rice field can be done at an interval of 20-40 days. Proper drainage should be maintained in the field and weedicide can be

		applied under optimum moisture conditions. Top dressing of urea should be done under optimum soil moisture conditions. All the farming activities should be scheduled as per the forecast.
Sugarcane	Tillering	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.
<i>Kharif</i> maize	Germination/ Vegetative	Maize requires at least two weeding, the first at an interval of 20 days and the second at an interval of 35 days. Do top-dressing of urea when the maize becomes 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.
Black gram/ green gram	Sowing	The sowing of the pulse crop should be completed till mid-August. Weeding and thinning operation should be regularly done in already sown crop. Proper drainage should be arranged in the field and all the farming operations should be carried out keeping the forecast in mind.
Groundnut	Vegetative	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. The remaining amount of gypsum and an entire amount of borax should be used as top dressing in 3 week old crop and mix it well upto 3-4 cm depth by light hoeing. Any chemical application and cultivation activities should be done keeping the forecast in mind.
Sesame (Gingelly/Til)	Sowing	Weeding operation should be carried out in the crop and top-dressing of urea should be done under optimum soil moisture conditions. All the farming activities should be scheduled as per the forecast.

#### Horticulture Specific Advisory:

Horticulture (Varieties)	Stage	Horticulture Specific Advisory
Tomato	Vegetative/Fruiting	Harvest the ripe tomatoes regularly and send for procurement. Do not go for chemical application in ripened tomato fruits. In fruiting tomato plants as there are chances of occurrence of disease after rainfall so destroy infected plants (when shriveled pitted leaves are visible) to control viral diseases and spray all purpose insecticides to control sap-sucking insects. Spray Mancozeb 2.5g/l or Copper oxychloride 3.0g/l of water to prevent outbreak of blight. Harvest the ripe tomatoes. Farmer brothers, spraying should be done keeping the weather forecast in mind.
Cauliflower	Transplanting	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.
Cucurbitaceous crops	Harvesting/Fruiting	On the occurrence of yellow spot of irregular shape on cucurbitaceous crops, 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. Proper drainage should be maintained in the field. Spraying of chemical should be done keeping in view the weather forecast. Ripened Pumpkin type crops should be harvested and stored well.
Mango	Planting	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. The farming activities should be scheduled as per the forecast.

Guava	Grafting	Continue grafting of guava seedlings.
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### Live Stock Specific Advisory

Livestock	Live Stock Specific Advisory
Cow/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.