



Agromet Advisory Bulletin

Date: 16.08.2024

Weather Forecast of District UDHAMSINGH-NAGAR (Uttarakhand) Issued On: 2024-08-16 (Valid Till 08:30 IST of the next 5 days)

Parameter	17/08/2024	18/08/2024	19/08/2024	20/08/2024	21/08/2024
Rainfall(mm)	5.0	5.0	8.0	30.0	50.0
Max Temp(°C)	35.0	34.0	34.0	33.0	32.0
Min Temp(°C)	28.0	27.0	26.0	26.0	26.0
Max RH I (%)	85	85	90	90	90
Min RH II (%)	60	60	60	60	60
Wind speed (km/h)	11	8	8	12	8
Wind direction	130	130	230	230	130
Cloud cover	8	8	7	8	8

Weather Summary/Alert:

Last week (9 August to 15 August), the region experienced 8.4 mm rainfall with the maximum-minimum temperature ranging 30.2 to 33.0°C and 25.4 to 26.9°C, respectively. The morning and evening relative humidity varied between 87-94% and 78-88%, respectively while the wind blew from north-north-east, east, south-east and east-south-east at a speed ranging 6.3-8.3 kmph. Most days were cloudy last week. The upcoming forecast shows light to moderate rainfall of 8-50 mm from 16-20 August and maximum-minimum temperature are expected to vary as 32.0-35.0°C and 26.0-28.0°C, respectively. The wind is expected to blow from north-east-east direction at a speed of 8-12 kmph. Light to moderate rain likely to occur at most places on 19th & 20th August. Light to moderate rain is likely to occur at many places on 17th & 18th August and at a few places on 16th August, 2024. A yellow warning regarding occurrence of heavy to very heavy rain/thunderstorm accompanied with lightning / intense to very intense rain spell at isolated places has been predicted for 16th to 20th 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 0.20-0.40. The extended range forecast shows below normal rainfall, below normal maximum and above normal minimum temperature trend during 16.08.2024 to 23.08.2024.

SMS Advisory:

As per the IMD forecast, light to moderate rainfall has been predicted so farming practices should be scheduled accordingly and proper drainage should be maintained in case of waterlogging.

Crop Specific Advisory:

Crop (Varieties)	Stage	Crop Specific Advisory
Rice	Vegetative	Regular weeding should be done and proper drainage should be maintained in the field. Weedicide application and top dressing of urea should be done under optimum soil moisture conditions. All the farming

		activities should be scheduled as per the forecast.
<i>Kharif</i> maize	Vegetative	Monitor the crop properly and 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 shaped spots). Second spraying should be done at 10-15 days interval. 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. 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)	Vegetative	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
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.
Guava	Grafting	Continue grafting of guava seedlings.

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.