



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: 09.08.2024

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

Parameter	10/08/2024	11/08/2024	12/08/2024	13/08/2024	14/08/2024
Rainfall(mm)	20.0	30.0	15.0	20.0	40.0
Max Temp(°C)	32.0	31.0	32.0	33.0	32.0
Min Temp(°C)	26.0	25.0	26.0	26.0	25.0
Max RH I (%)	80	80	80	80	80
Min RH II (%)	60	60	60	60	60
Wind speed (km/h)	12	12	10	14	14
Wind direction	130	130	130	90	130
Cloud cover	8	8	8	8	7

Weather Summary/Alert:

Last week (2 August to 08 August), the region experienced 143.0 mm rainfall with the maximum-minimum temperature ranging 28.0 to 34.0°C and 24.6 to 27.5°C, respectively. The morning and evening relative humidity varied between 79-96% and 69-93%, respectively while the wind blew from east-south-east, north-east-north, north-north-west, east-north-east, east and west at a speed ranging 2.7-7.6 kmph. Few days were rainy days last week. The upcoming forecast shows light to moderate rainfall of 15-40 mm from 9-13 August and maximum-minimum temperature are expected to vary as 31.0-33.0°C and 25.0-26.0°C, respectively. The wind is expected to blow from east and south-east direction at a speed of 10-14 kmph. Light to moderate rain is likely to occur at most places on 10th August. Light to moderate rainfall is likely to occur at many places in U.S.Nagar on 9th, 11th & 13th August. Light to moderate rain is likely to occur at many places on 12th August, 2024. A yellow warning has been given on 9th & 13th August regarding occurrence of heavy rain /

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 to moderate rainfall has been predicted so sowing and spraying operations should be scheduled 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. All the farming activities should be scheduled as per the forecast.
Sugarcane	Tillering	As per the requirement, second tying of the crop should be done and it should be at a height of 50 cm above the first tying. In case of water logging, proper drainage should be arranged and the farming activities should be scheduled as per the forecast.
<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	Proper drainage should be arranged in the field and appropriate weeding-hoeing operations should be done.
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	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 allpurpose 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.
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.
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.

Live Stock Specific Advisory

Livestock	LiveStock Specific Advisory
Cow/Buffalo	July is the month of delivery, so at the time of delivery of the animal, they should be constantly monitored and cleaned thoroughly after calving. 200 ml of any one of the medicines named Utrotane / Harira / Ginetone in the morning and evening for three

	days Till should be given for cleaning the uterus. The cattle shed should be cleaned regularly 2- 3 times during the rainy season.
Goat/Sheep	Small ruminant animals like sheep, goats and newborn calves should be protected from getting wet during rainy days so that they do not get cold/cough/pneumonia.