



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: 23.08.2024

Weather Forecast of District UDHAMSINGH-NAGAR (Uttarakhand) Issued On: 2024-08-23 (Valid Till 08:30 IST of the next 5 days)

Parameter	24/08/2024	25/08/2024	26/08/2024	27/08/2024	28b/08/2024
Rainfall(mm)	35.0	40.0	45.0	45.0	50.0
Max Temp(°C)	31.0	32.0	33.0	34.0	31.0
Min Temp(°C)	23.0	23.0	24.0	24.0	22.0
Max RH I (%)	84	86	81	88	79
Min RH II (%)	61	60	52	64	60
Wind speed (km/h)	10	8	9	18	12
Wind direction	320	350	50	50	140
Cloud cover	8	7	8	6	6

Weather Summary/Alert:

Last week (16 to 22 August), the region experienced 150.0 mm rainfall with the maximum-minimum temperature ranging 29.5 to 34.5oC and 23.5 to 27.4oC, respectively. The morning and evening relative humidity varied between 86-97% and 67-86%, respectively while the wind blew from north-east, north-east-north, east, north-north-east and east-north-east at a speed ranging 2.1-5.5 kmph. Most days were cloudy last week. The upcoming forecast shows moderate rainfall of 35-50 mm from 23-27 August and maximum-minimum temperature are expected to vary as 31.0-34.0oC and 22.0-24.0oC, respectively. The wind is expected to blow from north-west, north-west-north, north-east and south-east direction at a speed of 8-18 kmph. Light to moderate rain is likely to occur at most places on 23 & 24 August and at few places from 25 to 29 August. A yellow warning regarding occurrence of heavy rain/thunderstorm accompanied with lightning /intense to very intense rain spell at isolated places has been given from 23-29 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 normal rainfall, maximum and minimum temperature trend during 23.08.2024 to 29.08.2024.

SMS Advisory:

As per IMD, moderate rainfall with intense rainspells at isolated places has been predicted so proper drainage should be maintained and other farming activities can be delayed/scheduled accordingly.

Crop Specific Advisory:

Crop (Varieties)	Stage	Crop Specific Advisory
Rice	Vegetative	Symptoms of bacterial blight disease if seen in paddy such as water-soaked spots on the leaves and their gradual increase to become long

		stripes. These stripes gradually turn light brown. To prevent this disease from spreading in the field, do not keep water logged condition in the field. Along with this, nitrogen application should be stopped for the time being and in case of excessive disease, spray 15 grams of streptocycline + 500 grams of copper oxychloride in 1000 liters of water per hectare. The spray should be done at 7-10 days conditions. All the farming activities should be performed under clear weather conditions and in case of heavy rainfall drainage measures should be taken in the field.
<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	Germination	Proper drainage should be maintained in the freshly sown plots while the farming activities in the last month sown crop 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.
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 white grub infestation Fipronil 40 percent and Imidacloprid 40 percent WG @200g/acre should be applied in the field by dissolving it in 500 liters of water. In case of water logging, proper drainage should be arranged and all the farming activities particularly chemical application should be done keeping the forecast in mind.

Horticulture Specific Advisory:

Horticulture (Varieties)	Stage	Horticulture Specific Advisory
Cauliflower	Transplanting	Proper drainage should be maintained in the field and any kind of chemical application should be delayed under heavy rainfall conditions. 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	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
Mango		In this month, there is a chance of the occurrence of tent caterpillars in mango. So tent should be removed with the help of tent removable device and effected part should be removed and burnt together with insects. All the farming activities should be done keeping the forecast in mind.

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. To save the animal from Gal-Ghotu disease, tie them in neat and clean places. When symptoms of Gal-Ghotu disease appeared in the animals, then inject Suphonamides like Sulphamethazine or Sulphadimidne 150mg/Kg in the veins of animal for three days with the advice of Veterinarian.