



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: 19.07.2024

Weather Forecast of District UDHAMSINGH-NAGAR (Uttarakhand) Issued On: 2024-07-19 (Valid Till 08:30 IST of the next 5 days)

Parameter	20/07/2024	21/07/2024	22/07/2024	23/07/2024	24/07/2024
Rainfall(mm)	30.0	40.0	20.0	20.0	25.0
Max Temp(°C)	32.0	35.0	31.0	33.0	34.0
Min Temp(°C)	27.0	26.0	25.0	25.0	26.0
Max RH I (%)	95	95	95	95	95
Min RH II (%)	65	65	65	65	65
Wind speed (km/h)	10	14	14	10	10
Wind direction	90	90	90	90	91
Cloud cover	7	6	7	8	7

Weather Summary/Alert:

Last week (12 to 18 July), the region experienced 28.6 mm rainfall with the maximum-minimum temperature ranging 32.6 to 35.5°C and 22.4 to 28.5°C, respectively. The morning and evening relative humidity varied between 77-92% and 66-71%, respectively while the wind blew from south, west-north-west, south-east, east-south-east and east-north-east at a speed ranging 3.5-7.3 kmph. Most of the days last week were clear with rainy and windy nights on few days. The upcoming forecast shows light to moderate rainfall of 20-40 mm from 19-23 July and maximum-minimum temperature are expected to vary as 31.0-35.0°C and between 25.0-27.0°C, respectively. The wind is expected to blow from east direction at a speed of 10-14 kmph. Light to moderate rainfall is likely to occur at most places on 19, 20, 21 & 23 July and at many on 22 July. An orange alert has been given regarding heavy to very heavy rain / thunderstorm accompanied with lightning / intense to very intense rain spell which is likely to occur at isolated places on 20 & 21 July. A yellow watch alert regarding thunderstorm accompanied with lightning/intense rain spell is likely to occur at isolated places on 19 to 23 July.

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 0.15-0.40. The extended range forecast shows deficient rainfall, above normal maximum and normal minimum temperature trend during 19.07.2024 to 25.07.2024.

SMS Advisory:

As per IMD forecast, proper drainage should be provided in the field, sowing operations should be postponed and chemical/fertilizer spray should be scheduled accordingly.

Crop Specific Advisory:

Crop (Varieties)	Stage	Crop Specific Advisory
Rice	Transplanting/ Seedling	Transplanting should be completed and gap filling should be completed within 10 days of transplanting. Proper drainage should be maintained in the field. The chemical application should be scheduled as per the forecasted conditions.
Soyabean	Sowing/ Germination	Sowing should be completed and proper drainage should be provided to avoid seedling damage.
Sugarcane	Vegetative	In case of water logging, proper drainage should be arranged and sufficient soil should be applied to the roots of sugarcane. When the growth of the crop is good, tie it at a height of 5 feet.
<i>Kharif</i> maize	Sowing/Vegetative	Proper drainage should be arranged in the field. Sowing of maize should be completed and ridge-furrow sowing should be followed to avoid water logged conditions. After 15 and 30 days of sowing, weeding and hoeing should be done in the June sown maize crop. The top dressing of urea should be done when crop attains the height of around 2 feet. However, the application should be done keeping the forecast in mind.
Black gram/ green gram	Sowing	The best time for sowing moong/urd in Tarai-Bhabhar and plains is the second fortnight of July and for abundant production, seeds treated with bio-controller Trichoderma powder @5 gm/kg should be used. Along with this, seeds should be treated with biofertilizers like Rhizobium and P.S.B. @200 gm / 10 kg seeds. The sowing should be scheduled as per the forecast.

Horticulture Specific Advisory:

Horticulture (Varieties)	Stage	Horticulture Specific Advisory
Chilli	Transplanting	Chilli should be transplanted on ridges to avoid damage due to water logging with row to row and plant to plant distance of 50cm. Proper drainage should be made because excess amount of water for about 24 hours in the field dries up the crop. Transplanting should be scheduled as per the IMD forecast.
Cauliflower	Young plantlets	The weeding and hoeing should be done in the transplanted crop and proper drainage should be maintained in the field. All the farming activities should be done keeping the forecast in mind.

LiveStock Specific Advisory

Livestock	LiveStock Specific Advisory
Cow/Buffalo	July & August month is highly favourable for cattles' delivery. So, it is recommended that their dwelling place should be clean and hygienic. Just after delivery, tie the navel of new born baby of cattle by cutting it with sharp and clean knife, then apply Gentian violet paint or tincture iodine. After animal's delivery, Gynotone or Utrotone medicine @ 200ml should be given in morning and evening hours for three days to clean the womb.