



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: 23.07.2024

Weather Forecast of District UDHAMSINGH-NAGAR (Uttarakhand) Issued On: 2024-07-23 (Valid Till 08:30 IST of the next 5 days)

Parameter	24/07/2024	25/07/2024	26/07/2024	27/07/2024	28/07/2024
Rainfall(mm)	35.0	10.0	10.0	1.0	10.0
Max Temp(°C)	34.0	33.0	35.0	33.0	33.0
Min Temp(°C)	26.0	27.0	27.0	26.0	26.0
Max RH I (%)	95	85	85	80	80
Min RH II (%)	55	65	55	55	55
Wind speed (km/h)	16	10	10	10	10
Wind direction	90	90	90	90	90
Cloud cover	7	8	8	8	6

Weather Summary/Alert:

Last week (16 to 22 July), the region experienced 75.4 mm rainfall with the maximum-minimum temperature ranging 30.5 to 35.5°C and 26.5 to 28.5°C, respectively. The morning and evening relative humidity varied between 77-98% and 62-82%, respectively while the wind blew from east-south-east, east-north-east and south-east at a speed ranging 4.0-7.3 kmph. Most of the days last week were cloudy with few rainy days. The upcoming forecast shows light to moderate rainfall of 1-35 mm from 23-27 July and maximum-minimum temperature are expected to vary as 33.0-35.0°C and between 26.0-27.0°C, respectively. The wind is expected to blow from east direction at a speed of 10-16 kmph. Light to moderate rainfall likely to occur at most places on 23 July and at many from 24-27 July, 2024. A yellow alert regarding occurrence of heavy rainfall at isolated place in U.S.Nagar has been for 23rd. A yellow alert regarding occurrence of thunderstorm accompanied with lightning/Intense rain spell at isolated places has been given for 24 to 27 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 the yellow alert given by IMD in the region, drainage should be maintained in the field and other farming operations should be scheduled accordingly.

Crop Specific Advisory:

Crop (Varieties)	Stage	Crop Specific Advisory
Rice	Transplanting/Seedling	The transplanting should be completed in this month and gap filling of the plots should be done within 10 days. Also, for already transplanted

		rice the fertilizers and weedicide can be applied under clear weather conditions. The weeding of the rice field should be done at 20 and 40 days interval. In case labour is not available, butachlor 50 E.C. @ 3 litre per hectare/ anilophos 30 E.C. @ 1.5 litre per hectare/ Pretilachlor 50 E.C. @ 1.5 litre per hectare in 500 litre water can be applied within 3 days of transplanting. All the chemical applications should be carried out keeping the forecast in mind.
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	Germination/ 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, all the farming operations 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.
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 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. Farmer brothers, spraying should be done keeping the weather forecast in mind.
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.