



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 : 14-07-2023

Weather Forecast of District UDAMSINGH-NAGAR(Uttarakhand) Issued On : 2023-07-14(Valid Till 08:30 IST of the next 5 days)

Parameter	2023-07-15	2023-07-16	2023-07-17	2023-07-18	2023-07-19
Rainfall(mm)	20.0	20.0	25.0	110.0	40.0
Tmax(°C)	29.0	29.0	30.0	29.0	27.0
Tmin(°C)	25.0	26.0	25.0	25.0	24.0
RH-I(%)	85	85	85	95	95
RH-II(%)	60	60	60	65	80
Wind Speed(kmph)	8	10	8	10	14
Wind Direction(Degree)	90	110	90	110	90
Cloud Cover(Octa)	8	8	8	8	8

Weather Summary/Alert:

In the last seven days (July 7-13), 262.4 mm of rainfall was recorded and the maximum and minimum temperature ranged between 28.0 to 33.8 °C and 25.0 to 27.4 °C. The sky remained cloudy . The morning relative humidity ranged between 82 to 90% at 0712 hrs and the evening relative humidity ranged between 66 to 95% at 1412 hrs. The wind speed was 1.9 to 9.9 kmph and the wind direction was mostly towards North. The forecast for the upcoming five days (14-18 July) shows moderate to very heavy rainfall ranging 20-110 mm while the maximum and minimum temperature would vary 27-30 degree celsius and 24-26 degree celsius, respectively. The wind speed would range between 8-15 kmph and wind direction would mostly be east and east-south-east. Warning: An orange alert has been issued for the district from 14-16 & 18 July regarding heavy to very heavy rainfall accompanied by thunderstorm/lightning and intense rain spell while on 17 July a red alert regarding similar conditions of extremely heavy rainfall accompanied by lightning/thunderstorm and intense rain spell has been issued.

General Advisory:

The extended range forecast dated 13 July, 2023 shows weekly (5-12 July) rainfall for the state in large excess i.e. 176.8 mm and US Nagar has experienced 239.7 mm of rainfall which is also in large excess. The farmers are advised to download "Meghdoot App" to get last week's weather, weather forecast and agrometeorological advice and "Damini App" to get lightning information. Meghdoot and Damini apps can be downloaded from Google Play Store (Android users) and App Center (iOS users). This will help them in taking right decisions regarding farming activities and the common people can also avoid damage to life and property .

SMS Advisory:

Heavy to very heavy rainfall have been predicted for 14-16 and 18 July and extremely heavy rainfall for 17 July so farmers are suggested to maintain proper drainage in their fields.

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
RICE	Due to forecast of extreme rainfall proper drainage should be maintained in the field.
MAIZE	Excess moisture / water logged conditions should be avoided in the freshly sown field.
SUGARCANE	Proper drainage measures should be taken in the field and little amount of soil should be added on the surface of the root of sugarcane. All farming activities should be done keeping the forecast in mind.
SOYABEAN	Maintain proper drainage in the field and all farming activities like fertilizer or chemical application should be done keeping the forecast in mind.
GROUNDNUT	Maintain proper drainage in the field and all farming activities like fertilizer or chemical application should be done keeping the forecast in mind.

Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
OKRA/ LADYFINGER	Weeding, hoeing and proper drainage arrangement should be done in last month sown crop. All farming activities should be done keeping the forecast in mind.
PUMPKIN	Harvested crop should be stored well as heavy rainfall has been predicted.
TURMERIC	Heavy rains have been predicted so proper drainage in the field is a necessity.
GINGER	Heavy rains have been predicted so proper drainage in the field is a necessity.
CHILLI	Proper drainage arrangement should be made in the field because excess amount of water for about 24 hours in the field dries up the crop
CAULIFLOWER	In the transplanted field of early variety Cauliflower, proper drainage should be provided.
TOMATO	Proper drainage should be maintained in the field.

Live Stock Specific Advisory:

Live Stock(Varieties)	Live Stock Specific Advisory
COW	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.
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.