



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 : 18-07-2023

Weather Forecast of District UDAMSINGH-NAGAR(Uttarakhand) Issued On : 2023-07-18(Valid Till 08:30 IST of the next 5 days)

Parameter	2023-07-19	2023-07-20	2023-07-21	2023-07-22	2023-07-23
Rainfall(mm)	60.0	20.0	20.0	25.0	40.0
Tmax(°C)	31.0	34.0	35.0	36.0	34.0
Tmin(°C)	25.0	24.0	25.0	25.0	25.0
RH-I(%)	95	90	90	95	85
RH-II(%)	60	40	40	45	40
Wind Speed(kmph)	12	10	8	8	12
Wind Direction(Degree)	110	110	70	70	70
Cloud Cover(Octa)	8	7	7	8	7

Weather Summary/Alert:

In the last seven days (July 11-17), 82.8 mm of rainfall was recorded and the maximum and minimum temperature ranged between 29.2 to 34.0 °C and 25.4 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 64 to 95% at 1412 hrs. The wind speed was 2.0 to 5.9 kmph and the wind direction was mostly towards North. The forecast for the upcoming five days (18-22 July) shows light to moderate rainfall ranging 20-60 mm while the maximum and minimum temperature would vary 31-36 degree celsius and 24-25 degree celsius, respectively. The wind speed would range between 8-13 kmph and wind direction would mostly be east. Warning: An orange alert has been issued for the district for 18 & 21 July regarding heavy to very heavy rainfall accompanied by thunderstorm/lightning and intense rain spell while on 19, 20 & 22 July a yellow alert regarding lightning/thunderstorm and intense rain spell has been issued .

General Advisory:

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:

Light to moderate rainfall has been predicted for the district so proper drainage should be maintained in the field and all farming practices should be done keeping the forecast in mind.

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
RICE	The transplanting should be completed in this month and gap filling of the plots should be done within 10 days. Any kind of weedicide application should be done keeping the forecast in mind.
SUGARCANE	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.
MAIZE	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.
GREEN GRAM	The best time for sowing moong in Terai-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. However, as per the forecast sowing should be delayed in case of heavy rainfall.
BLACK GRAM	The best time for sowing urd in Terai-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. However, as per the forecast sowing should be delayed in case of heavy rainfall.

Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
CHILLI	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. However, transplanting can be delayed under heavy rainfall as per the forecast.
CAULIFLOWER	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.

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. During monsoon, the cattle should be kept in the shed only and regular cleaning should be done to avoid occurrence of germs/bacteria .
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. During monsoon, the cattle should be kept in the shed only and regular cleaning should be done to avoid occurrence of germs/bacteria .