



**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 : 21-07-2023

Weather Forecast of District UDAMSINGH-NAGAR(Uttarakhand) Issued On : 2023-07-21(Valid Till 08:30 IST of the next 5 days)

Parameter	2023-07-22	2023-07-23	2023-07-24	2023-07-25	2023-07-26
<b>Rainfall(mm)</b>	40.0	25.0	20.0	25.0	35.0
<b>Tmax(°C)</b>	36.0	34.0	36.0	35.0	34.0
<b>Tmin(°C)</b>	27.0	26.0	25.0	26.0	24.0
<b>RH-I(%)</b>	85	85	85	85	85
<b>RH-II(%)</b>	45	45	45	45	55
<b>Wind Speed(kmph)</b>	14	12	12	12	13
<b>Wind Direction(Degree)</b>	70	70	70	70	110
<b>Cloud Cover(Octa)</b>	8	8	8	8	8

### Weather Summary/Alert:

In the last seven days (July 14-20), 179.4 mm of rainfall was recorded and the maximum and minimum temperature ranged between 29.2 to 34.5 °C and 25.4 to 27.4 °C. The sky remained cloudy on most of the days. The morning relative humidity ranged between 72 to 95% at 0712 hrs and the evening relative humidity ranged between 50 to 92% at 1412 hrs. The wind speed was 2.0 to 5.2 kmph and the wind direction was mostly towards North. The forecast for the upcoming five days till 25 July shows light to moderate rainfall ranging 20-40 mm while the maximum and minimum temperature would vary between 34-36 degree celsius and 24-27 degree celsius, respectively. The wind speed would range between 12-14 kmph and wind direction would mostly be east-north-east. Light to moderate rain/thunderstorm likely to occur at most places on 21st, 22nd, 24th & 25th July and at many places on 23rd July, 2023. Warning: Yellow alert has been issued regarding thunderstorm/lightning and intense rain spell at isolated places on 21, 22, 23, 24 and 25 July.

### General Advisory:

As per the five day district forecast, the rainfall intensity would be light to medium during 22-24 July at most of the places. The extended range forecast system shows that the rainfall for upcoming would be 72.1 mm which has been predicted to be below normal (103.3 mm) for the state. 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).

### SMS Advisory:

Light to moderate rainfall has been predicted so all the farming activities should be done accordingly.

**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. Also, for already transplanted rice the fertilizers and weedicide can be applied under clear weather conditions. The wedding 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	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, all the farming operations 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. The sowing operation should be done when sufficient moisture is there in the field so sowing operation should be carried out keeping the forecast in mind.
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. The sowing operation should be done when sufficient moisture is there in the field so sowing operation should be carried out keeping the forecast in mind.

**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. Transplantation should be taken up keeping the forecast in mind.
TOMATO	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 allpurpose 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	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

Live Stock(Varieties)	Live Stock Specific Advisory
	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 .