



## 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 : 11-07-2023

Weather Forecast of UDAMSINGH-NAGAR(Uttarakhand) Issued On : 2023-07-11(Valid Till 08:30 IST of the next 5 days)

Parameter	2023-07-12	2023-07-13	2023-07-14	2023-07-15	2023-07-16
Rainfall(mm)	80.0	80.0	30.0	25.0	40.0
Tmax(°C)	33.0	29.0	30.0	32.0	31.0
Tmin(°C)	26.0	26.0	26.0	25.0	25.0
RH-I(%)	80	80	85	95	95
RH-II(%)	50	50	50	55	70
Wind Speed(kmph)	12	10	10	12	16
Wind Direction(Degree)	100	135	110	100	90
Cloud cover(octa)	6	8	7	8	8

#### Weather Summary/Alert:

In the last seven days (July 4-10), 298.6 mm of rainfall was recorded and the maximum and minimum temperature ranged between 28.0 to 35.0 °C and 24.4 to 27.3 °C. The sky remained cloudy . The morning relative humidity ranged between 83 to 93% at 0712 hrs and the evening relative humidity ranged between 66 to 92% at 1412 hrs. The wind speed was 1.9 to 9.9 kmph and the wind direction was mostly towards North. Next five days forecast indicates moderate to very heavy rain from 11.07.2023 to 15.07.2023 Which will be between 25-80 mm. The maximum and minimum temperature will be between 29.0 -33.0 degree Celsius and 25.0 -26.0 degree Celsius. During this time the wind speed will be between 10-17 kmph and the direction will be mainly East and East-South-East. Warning: Light to moderate rain/thunderstorm likely to occur at most places on 11th,12th , 13th , 14th & 15th July, 2023. Red Alert has been issued for US Nagar region on 11 and 12 July where heavy to very heavy rainfall accompanied by lightning and intense rain spell while yellow alert has been issued for similar occurrences on 13 and 14 July.

#### General Advisory:

The monthly forecast for July shows the rainfall to be normal and temperatures to be above normal for Uttarakhand state. In the upcoming week (6-12 July), the forecast shows likely occurrence of very heavy rainfall. The subdivisional rainfall map for 1 June to 5 July, 2023 as per India Meteorological Department shows 219.0 mm rainfall in Uttarakhand which is -6% in normal category against the normal rainfall of 232.0 mm. 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 for the suitable farming activities.

#### SMS Advisory:

Red alert regarding heavy to very heavy rainfall on 11 and 12 July accompanied by lightning and intense rain spell. Farmers should take action accordingly.

#### Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
RICE	Transplantation of paddy should be completed in this month. During transplanting, row to row distance of 20 cm and plant to plant distance of 10 cm or 15 cm on both sides should be kept. 2-3 plants should be planted on a hill. Plants should be planted at 2-3 cm depth. Gap filling should be done within 10 days of transplanting.
MAIZE	Sowing of maize should be done after proper drainage of the field under optimum soil moisture conditions and the sowing should be done on the ridges. The farmers should follow ridge-furrow method which is ideal for avoiding water logging/ excess moisture conditions in the field. All farming activities should be done keeping the forecast in mind.
SUGARCANE	Proper drainage measures should be taken in the field and and apply little amount of soil on the surface of the root of sugarcane. All farming activities should be done keeping the forecast in mind.
SOYABEAN	If sowing has been done then maintain proper drainage in the field and if the sowing has been postponed then wait for proper soil moisture conditions before sowing. All farming activities should be done keeping the forecast in mind.
GROUNDNUT	If sowing has been done then maintain proper drainage in the field and if the sowing has been postponed then wait for proper soil moisture conditions before sowing. All farming activities should be done keeping the forecast in mind.

### Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
OKRA/ LADYFINGER	Okra sowing should be completed till date. The varieties suitable for rainy season and yellow mosaic resistant should be sown. Weeding, hoeing and proper drainage arrangement should be done in last month sown crop.
PUMPKIN	Harvest the crop for valuable procurement in the market. Heavy rains have been predicted so proper drainage in the field is a necessity.
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	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.
CAULIFLOWER	In the transplanted field of early variety Cauliflower, proper drainage should be provided.
TOMATO	Tomato harvesting should be done in time to avoid occurrence of disease and 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.