



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 : 08-08-2023

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

Parameter	2023-08-09	2023-08-10	2023-08-11	2023-08-12	2023-08-13
Rainfall(mm)	45.0	65.0	60.0	45.0	40.0
Tmax(°C)	32.0	30.0	30.0	31.0	31.0
Tmin(°C)	25.0	25.0	26.0	25.0	26.0
RH-I(%)	90	95	95	95	95
RH-II(%)	60	65	75	65	65
Wind Speed(kmph)	12	14	8	8	12
Wind Direction(Degree)	140	70	130	70	140
Cloud Cover(Octa)	7	8	7	6	8

Weather Summary/Alert:

In the last seven days (August 1-7), 34.4 mm of rainfall was recorded and the maximum and minimum temperature ranged between 30.0 to 34.5 °C and 25.8 to 27.8 °C. The sky remained cloudy on most of the days last week. The morning relative humidity ranged between 86 to 95% at 0712 hrs and the evening relative humidity ranged between 64 to 90% at 1412 hrs. The wind speed was 0.4 to 2.6 kmph and the wind direction was mostly towards north and North-North-East. The forecast for the upcoming five days till 13 August shows moderate to heavy rainfall ranging 40-65 mm while the maximum and minimum temperature would vary between 30- 32 degree celsius and 25-26 degree celsius, respectively. The wind speed would range between 8-14 kmph and wind direction would mostly be south-east. Light to moderate rain/thunderstorm likely to occur at most places on 9th & 10th August and similar conditions are likely to occur at many places in Udham Singh Nagar on 8th , 11th & 12th August, 2023. Warning: An orange alert regarding occurrence of heavy to very heavy rainfall accompanied by thunderstorm/lightning and intense rain spell has been give for 9 August and yellow alert regarding the same conditions has been issued for 8 and 10 August. On 11 and 12 August yellow alert regarding occurrence of thunderstorm/lightning and intense rain spells at isolated places has been indicated.

General Advisory:

The realized rainfall for 27 July to 2 August was 67 mm against a normal rainfall of 102 mm which represents a 34% deficiency in rainfall for the state. The extended range forecast for 4-10 August shows that the state may experience 58 mm rain against 99 mm normal rainfall which represents a deficit of 41%. The district-wise weekly rainfall for 26 July to 2 August was 99 mm which has been kept in normal rainfall category and the predicted rainfall for 4-10 August has been kept in deficient category. The rainfall pattern for the district and the state clearly shows the highly variable rainfall pattern. 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.

SMS Advisory:

Moderate to heavy rainfall has been predicted for the district so appropriate drainage should be maintained in the field and farming activities should be taken up accordingly.

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
RICE	The weeding of the rice field should be done at 20 and 40 days interval. In case labour is not available weedicides should be applied under optimum moisture conditions. Proper drainage should be arranged in the field and All the farming activities should be done keeping the forecast in mind.
SUGARCANE	According to the requirement, second tying of the crop should be done and it should be 50 cm above the first tying. Three stalks of two lines should be tied together (scissors tied). In case of water logging, proper drainage should be arranged and all the farming activities should be done keeping the forecast in mind.
MAIZE	Maize requires at least two weeding, first at an interval of 20 days and the second at an interval of 35 days. Top-dressing of urea should be done when the maize is 2 feet tall. In case of fall army worm attack in the plain regions, Chlorantraniliprole 18.5 SC @0.4 ml/l of water should be applied. However, all the chemical applications and farming operations should be done keeping the forecast in mind.
GREEN GRAM	Weeding operation should be taken up in the crop and all farming operations should be carried out keeping the forecast in mind.
BLACK GRAM	Weeding operation should be taken up in the crop and all farming operations should be carried out keeping the forecast in mind.
GROUNDNUT	In groundnut, weeding should be done at an interval of 15-20 days after sowing and to destroy the weeds chemically, Pendimethalin 30 EC, 3.3 liters or 4 liters of Alachlor 50 EC dissolved in 500 -700 liters of water should be sprinkled after sowing and before the germination of weeds. Apply the remaining amount of gypsum and entire amount of borax as top dressing in 3 week old crop and mix it well in the soil up to 3-4 cm depth by light hoeing. Any chemical spraying and cultivation activities should be done keeping the forecast in mind.
SESAME (GINGELLY/TIL)	Carry out weeding operation in the crop and go for top-dressing of nitrogen when optimum soil moisture is there in the field. All farming operations should be carried out keeping the forecast in mind.

Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
TOMATO	Harvest the ripe tomatoes regularly. 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.
PUMPKIN	On the occurrence of yellow spot of irregular shape on cucurbitaceous crops, leaves should be examined by turning and if there is a growth of light gray fungus in the lower portion of leaves then it should be controlled by spraying the solution of Mancozeb @ 2.5 g/ lit. Spraying of chemical should be done keeping in view the weather forecast.
MANGO	The sowing operation of mango seeds/kernels should be continued in the first fortnight of August. The grafting of one year old seedling plant should be done after transplanting it at some other place. All the farming activities should be done keeping the forecast in mind.

Live Stock Specific Advisory:

Live Stock(Varieties)	Live Stock Specific Advisory
BUFFALO	After giving birth, Utrotane / Harira / Ginetone @200 ml should be given for three days during morning and evening for cleaning the uterus.
COW	After giving birth, Utrotane / Harira / Ginetone @200 ml should be given for three days during morning and evening for cleaning the uterus.