



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 : 04-08-2023

Weather Forecast of District UDAMSINGH-NAGAR(Uttarakhand) Issued On : 2023-08-04(Valid Till 08:30 IST of the next 5 days)

Parameter	2023-08-05	2023-08-06	2023-08-07	2023-08-08	2023-08-09
Rainfall(mm)	45.0	15.0	70.0	10.0	20.0
Tmax(°C)	32.0	31.0	29.0	30.0	31.0
Tmin(°C)	25.0	25.0	24.0	24.0	24.0
RH-I(%)	85	90	95	95	95
RH-II(%)	55	65	75	70	65
Wind Speed(kmph)	8	8	9	8	6
Wind Direction(Degree)	110	90	90	110	70
Cloud Cover(Octa)	8	8	8	8	8

Weather Summary/Alert:

In the last seven days (July 28-August 3), 117.0 mm of rainfall was recorded and the maximum and minimum temperature ranged between 30.0 to 34.5 °C and 24.5 to 27.0 °C. The sky remained cloudy on most of the days last week. The morning relative humidity ranged between 85 to 95% at 0712 hrs and the evening relative humidity ranged between 70 to 90% at 1412 hrs. The wind speed was 0.2 to 2.6 kmph and the wind direction was mostly towards North-North-East. The forecast for the upcoming five days till 9 July shows light to heavy rainfall ranging 10-70 mm while the maximum and minimum temperature would vary between 29- 32 degree celsius and 24-25 degree celsius, respectively. The wind speed would range between 6-9 kmph and wind direction would mostly be east. Light to moderate rain/thunderstorm is likely to occur at most places on 4th, 5th, 6th & 8th August and similar conditions might occur at many places on 7th August, 2023. Warning: An orange alert regarding occurrence of heavy to very heavy rainfall and rain/thunderstorm accompanied by intense rain spell has been given for 4 and 6 August, 2023 and yellow alert regarding similar circumstances has been given for 5, 7 and 8 August.

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:

The state may experience light to heavy rainfall thus all farming activities should be taken up accordingly and proper drainage should be arranged in the fields.

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
RICE	The fertilizers and weedicide can be applied to the transplanted rice fields under clear weather conditions. The weeding 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 done under optimum moisture conditions. 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	The delayed sowing of maize crop can be done till the first week of August. June sown maize requires at least two weeding, the first at an interval of 20 days and the second at an interval of 35 days. Do top-dressing of urea when the maize becomes 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	The sowing operation should be completed till mid-month under optimum soil moisture conditions. Weeding operation should be taken up in the last month sown crop. All farming operations should be carried out keeping the forecast in mind.
BLACK GRAM	The sowing operation should be completed till mid-month under optimum soil moisture conditions. Weeding operation should be taken up in the last month sown crop. 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. Any chemical spraying 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.

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.

Live Stock(Varieties)	Live Stock Specific Advisory
GOAT	Small ruminant animals like sheep, goats and newborn calves should be protected from getting wet during rainy days so that they do not get cold/cough/pneumonia.