



Gramin Krishi Mausam Sewa
District Level Agromet Advisory Bulletin
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 Udham Singh Nagar, Pantnagar, Uttarakhand



Agromet Advisory Bulletin

Date : 28-07-2023

Weather Forecast of District UDAMSINGH-NAGAR(Uttarakhand) Issued On : 2023-07-28(Valid Till 08:30 IST of the next 5 days)

Parameter	2023-07-29	2023-07-30	2023-07-31	2023-08-01	2023-08-02
Rainfall(mm)	35.0	20.0	15.0	20.0	35.0
Tmax(°C)	33.0	32.0	34.0	35.0	35.0
Tmin(°C)	25.0	25.0	25.0	26.0	26.0
RH-I(%)	80	85	85	90	90
RH-II(%)	50	60	50	50	55
Wind Speed(kmph)	6	4	6	6	8
Wind Direction(Degree)	110	70	70	70	90
Cloud Cover(Octa)	8	8	6	8	8

Weather Summary/Alert:

In the last seven days (July 22-28), 78.8 mm of rainfall was recorded and the maximum and minimum temperature ranged between 30.5 to 35.2 °C and 24.5 to 28.5 °C. The sky remained both cloudy and clear in the past week. The morning relative humidity ranged between 73 to 92% at 0712 hrs and the evening relative humidity ranged between 59 to 90% at 1412 hrs. The wind speed was 1.4 to 6.2 kmph and the wind direction was mostly towards North. The forecast for the upcoming five days till 2 July shows light to moderate rainfall ranging 15-35 mm while the maximum and minimum temperature would vary between 32-35 degree celsius and 25-26 degree celsius, respectively. The wind speed would range between 4-8 kmph and wind direction would mostly be east-north-east. Light to moderate rain/thunderstorm likely to occur at most places on 28th, 29th July & 1st August and at many places on 30th & 31st July, 2023. Warning: Yellow alert has been issued regarding thunderstorm/lightning and intense rain spell at isolated places on 28, 29, 30, 31 July and 1 August.

General Advisory:

The realized rainfall for 20-26 July shows 25% excess rainfall i.e. 121.5 mm against the normal rainfall i.e. 97.4 mm while the extended range forecast for 28 July to 03 August predicts below normal rainfall in the state. However, as per the district-wise weekly average rainfall (19-26 July), the experienced rainfall was 24.2 mm which has been depicted as largely deficient. This clearly shows the high rainfall variability in the state where some regions experienced excess and some deficient rainfall. 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:

Light to moderate rainfall has been predicted in the district so the farming activities may be carried out accordingly.

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. After 1-2 days of observance of loss of water in the field, apply irrigation and keep the water level upto 5-7 cm. All the farming activities 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	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 of moong in Terai-Bhabar region, where water logging is not a problem, can be done till first week of August. 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 sowing of urd in Terai-Bhabar region, where water logging is not a problem, can be done till first week of August. 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. After treatment vars. Pant Urd 10, Pant Urd 31 and Pant Urd 40 can be sown @12-15 kg/h at line to line distance of 30-45 cm and depth of 3-4 cm 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.
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 .

Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
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.
PUMPKIN	g 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.

Live Stock Specific Advisory:

Live Stock(Varieties)	Live Stock Specific Advisory
COW	July is the month of delivery, so at the time of delivery of the animal, they should be constantly monitored and cleaned thoroughly after calving. 200 ml of any one of the medicines named Utrotane / Harira / Ginetone in the morning and evening for three days

Live Stock(Varieties)	Live Stock Specific Advisory
	Till should be given for cleaning the uterus. The cattle shed should be cleaned regularly 2-3 times during the rainy season.
BUFFALO	July is the month of delivery, so at the time of delivery of the animal, they should be constantly monitored and cleaned thoroughly after calving. 200 ml of any one of the medicines named Utrotane / Harira / Ginetone in the morning and evening for three days Till should be given for cleaning the uterus. The cattle shed should be cleaned regularly 2-3 times during the rainy season.
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.