



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 : 25-07-2023

Weather Forecast of District UDAMSINGH-NAGAR(Uttarakhand) Issued On : 2023-07-25(Valid Till 08:30 IST of the next 5 days)

Parameter	2023-07-26	2023-07-27	2023-07-28	2023-07-29	2023-07-30
Rainfall(mm)	15.0	20.0	10.0	25.0	15.0
Tmax(°C)	35.0	34.0	32.0	34.0	32.0
Tmin(°C)	25.0	25.0	24.0	24.0	24.0
RH-I(%)	85	90	85	85	90
RH-II(%)	55	55	65	50	60
Wind Speed(kmph)	8	12	6	6	8
Wind Direction(Degree)	70	110	70	110	70
Cloud Cover(Octa)	8	8	8	8	8

Weather Summary/Alert:

In the last seven days (July 18-24), 119.0 mm of rainfall was recorded and the maximum and minimum temperature ranged between 29.6 to 36.5 °C and 25.4 to 28.5 °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 0.4 to 6.2 kmph and the wind direction was mostly towards North. The forecast for the upcoming five days till 30 July shows light to moderate rainfall ranging 10-25 mm while the maximum and minimum temperature would vary between 32-35 degree celsius and 24-25 degree celsius, respectively. The wind speed would range between 6-12 kmph and wind direction would mostly be east and east-south-east. Light to moderate rain/thunderstorm likely to occur at most places on 25th, 26th, 27th, 28th & 29th July, 2023. Warning: Yellow alert has been issued regarding thunderstorm/lightning and intense rain spell at isolated places on 26, 27 and 29 July. An orange alert has been issued for 28 July regarding thunderstorm/lightning and intense rain spell at isolated places.

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General Advisory:

The categorical extended range forecasts and trends for the state in the following week (21-27 July) shows 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

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SMS Advisory:

Light to moderate rainfall has been issued in the district so the farming activities can be carried out keeping the forecast in mind.

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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	Last month 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. The work should be done keeping in view the weather forecast.
GREEN GRAM	The best time for sowing moong in Terai-Bhabar 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.
PIGEON PEA (RED GRAM/ARHAR)	Weeding should be done in the June sown crop.
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)	The proper time for sowing of sesame is the second fortnight of the month and the seed rate should be 3-4 kg/ha. To prevent seed borne diseases the seeds should be treated @2.5 g Thiram or Captan per kg of seeds.

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Horticulture Specific Advisory:

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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.
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Live Stock Specific Advisory:

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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.
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