



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



Agromet Advisory Bulletin

Date: 02.08.2024

Weather Forecast of District UDHAMSINGH-NAGAR (Uttarakhand) Issued On: 2024-08-02 (Valid Till 08:30 IST of the next 5 days)

Parameter	03/08/2024	04/08/2024	05/08/2024	06/08/2024	07/08/2024
Rainfall(mm)	5.0	1.0	2.0	1.0	2.0
Max Temp(°C)	36.0	35.0	34.0	34.0	33.0
Min Temp(°C)	24.0	25.0	25.0	24.0	24.0
Max RH I (%)	90	90	90	90	90
Min RH II (%)	55	55	50	60	60
Wind speed (km/h)	12	10	16	14	14
Wind direction	130	130	130	90	130
Cloud cover	7	5	6	8	8

Weather Summary/Alert:

Last week (26 July to 01 August), the region experienced 158.2 mm rainfall with the maximum-minimum temperature ranging 28.0 to 35.5°C and 23.9 to 29.0°C, respectively. The morning and evening relative humidity varied between 81-98% and 61-97%, respectively while the wind blew from north-north-east, east-north-east, south-east, east and south at a speed ranging 2.0-6.6 kmph. Most of the days last week were rainy days. The upcoming forecast shows very light rainfall of 1-5 mm from 2-6 August and maximum-minimum temperature are expected to vary as 33.0-36.0°C and 24.0-25.0°C, respectively. The wind is expected to blow from east and south-east direction at a speed of 8-12 kmph. Light to moderate rainfall is likely to occur at many places in U.S. Nagar on 3rd & 6th August. Light to moderate rain is likely to occur at many places on 2nd August and at few places in U.S. Nagar on 4th & 5th August, 2024. A yellow warning regarding occurrence of thunderstorm accompanied with lightning / intense to very intense spell of rain at isolated places has been given for 6th August.

General Advisory:

For regular updates on weather conditions in the region, the farmers can get updates from the app "Meghdoot" and lightning update from the app "Damini" available on Google Play Store (Android users) and App Centre (iOS users). The NDVI shows good agricultural vigour in the isolated regions of the state ranging 0.20-0.35. The extended range forecast shows normal rainfall, maximum and minimum temperature trend during 02.08.2024 to 08.08.2024.

SMS Advisory:

As per the IMD forecast, very light rainfall has been predicted so the farming activities like sowing, chemical spraying and irrigation can be scheduled accordingly.

Crop Specific Advisory:

Crop (Varieties)	Stage	Crop Specific Advisory
Rice	Seedling growth	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	Vegetative	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.
<i>Kharif</i> maize	Germination/ Vegetative	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.
Black gram/ green gram	Sowing	The sowing of moong/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. 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	Vegetative	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)	Sowing	Sowing should be done at the rate of 3-4 kg/ha. To prevent seed borne diseases the seeds should be treated @2.5 g Thiram or Captan per kg of seeds

Horticulture Specific Advisory:

Horticulture (Varieties)	Stage	Horticulture Specific Advisory
Chilli	Transplanting	Chilli should be transplanted on ridges to avoid damage due to water logging with row to row and plant to plant distance of 50cm. Avoid drainage as excess amount of water for about 24 hours in the field dries up the crop. Transplanting should be scheduled as per the forecast.
Tomato	Vegetative/Fruiting	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	Young plantlets	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.
Cucurbitaceous crops	Harvesting/Fruiting	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.
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LiveStock Specific Advisory

Livestock	LiveStock Specific Advisory
Cow/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.