



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



Agromet Advisory Bulletin

Date: 06.08.2024

Weather Forecast of District UDHAMSINGH-NAGAR (Uttarakhand) Issued On: 2024-08-06 (Valid Till 08:30 IST of the next 5 days)

Parameter	07/08/2024	08/08/2024	09/08/2024	10/08/2024	11/08/2024
Rainfall(mm)	30.0	20.0	10.0	15.0	20.0
Max Temp(°C)	33.0	31.0	33.0	33.0	34.0
Min Temp(°C)	25.0	26.0	27.0	27.0	26.0
Max RH I (%)	95	95	95	95	95
Min RH II (%)	50	50	50	55	55
Wind speed (km/h)	16	17	14	16	18
Wind direction	130	130	90	130	110
Cloud cover	8	8	8	8	8

Weather Summary/Alert:

Last week (30 July to 05 August), the region experienced 110.0 mm rainfall with the maximum-minimum temperature ranging 30.0 to 36.5oC and 23.9 to 28.4oC, respectively. The morning and evening relative humidity varied between 79-98% and 61-97%, respectively while the wind blew from east, south, east-south-east, north-north-west and east-north-east at a speed ranging 2.4-7.6 kmph. Few days were rainy days last week. The upcoming forecast shows light to moderate rainfall of 10-30 mm from 6-10 August and maximum-minimum temperature are expected to vary as 31.0-34.0oC and 25.0-27.0oC, respectively. The wind is expected to blow from east, south-east and east-south-east direction at a speed of 14-18 kmph. Light to moderate rain is likely to occur at most places on 6th & 7th August, at few places on 8th August and at many places on 9th & 10th August. A yellow alert regarding occurrence of Heavy rain / Thunderstorm accompanied with lightning /intense to very intense rainspell in isolated places has been issued for 7th, 9th & 10th 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 IMD forecast, light to moderate rainfall with thunderstorm/lightning is expected so proper drainage should be maintained in the field and spraying operations should 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
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. Harvest the ripe tomatoes. 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. Proper drainage should be maintained in the field. Spraying of chemical should be done keeping in view the weather forecast.

Live Stock 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/Sheep	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.