



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



Agromet Advisory Bulletin

Date : 27-08-2024

Weather Forecast of District UDAMSINGH-NAGAR(Uttarakhand) Issued On : 2024-08-27(Valid Till 08:30 IST of the next 5 days)

Parameter	2024-08-28	2024-08-29	2024-08-30	2024-08-31	2024-09-01
Rainfall(mm)	6.0	6.0	6.0	1.0	1.0
Tmax(°C)	34.0	34.0	34.0	35.0	35.0
Tmin(°C)	25.0	25.0	25.0	26.0	26.0
RH-I(%)	86	89	73	71	74
RH-II(%)	60	52	58	50	54
Wind Speed(kmph)	7	10	4	5	8
Wind Direction(Degree)	160	111	127	122	168
Cloud Cover(Octa)	7	8	7	5	5

Weather Summary/Alert:

Last week (20 to 26 August), the region experienced 121.4 mm rainfall with the maximum-minimum temperature ranging 29.5 to 34.0°C and 23.1 to 26.5°C, respectively. The morning and evening relative humidity varied between 78-97% and 64-86%, respectively while the wind blew from east, east-north-east, north-north-east, north-east and north-north-east at a speed of 1.1 to 4.7 kmph. Few days were cloudy last week. The upcoming forecast shows light rainfall of 1-6 mm from 27-31 August and maximum-minimum temperature are expected to vary as 34.0-35.0°C and 25.0-26.0°C, respectively. The wind is expected to blow from south-south-east, east-south-east, south-east-east and south-east direction at a speed of 4-10 kmph. Light to moderate rain/thundershowers is likely to occur at many places on 28 August and 02 September and at few places on 27, 29 August and 01 September 2024. Light to moderate rain/thundershowers is likely to occur at isolated places on 30 and 31 August 2024. A yellow warning regarding thunderstorm accompanied with lightning / intense to very intense spell of rain at isolated places from 27 to 29 August, 2024.

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 0.20-0.40. The extended range forecast shows normal rainfall, maximum and minimum temperature trend during 23.08.2024 to 29.08.2024.

SMS Advisory:

As per IMD forecast light rainfall has been predicted so appropriate farming practices can be scheduled accordingly.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
RICE (Vegetative)	Symptoms of bacterial blight disease if seen in paddy such as water-soaked spots on the leaves and their gradual increase to become long stripes. These stripes gradually turn light brown. To prevent this disease from spreading in the field, do not keep water logged condition in the field. Along with this, nitrogen application should be stopped for the time being and in case of excessive disease, spray 15 grams of streptomycin + 500 grams of copper oxychloride in 1000 liters of water per hectare. The spray should be done at 7-10 days conditions. All the farming activities should be performed under clear weather conditions and in case of heavy rainfall drainage measures should be taken in the field.
MAIZE (Vegetative)	Monitor the crop properly and apply Mancozeb or Zineb 75 WP @ 1.5 -2.0 kg in 750- 800 litres of water per hectare on occurrence of blight (Yellow or brown coloured egg shaped spots). Second spraying should be done at 10-15 days interval. 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 (Germination)	Proper drainage should be maintained in the freshly sown plots while the farming activities in the last month sown crop should be carried out keeping the forecast in mind.
GREEN GRAM (Germination)	Proper drainage should be maintained in the freshly sown plots while the farming activities in the last month sown crop 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. The remaining amount of gypsum and an entire amount of borax should be used as top dressing in 3 week old crop and mix it well upto 3-4 cm depth by light hoeing. Any chemical application and cultivation activities should be done keeping the forecast in mind.
SUGARCANE (Tillering)	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 white grub infestation Fipronil 40 percent and Imidacloprid 40 percent WG @200g/acre should be applied in the field by dissolving it in 500 liters of water. In case of water logging, proper drainage should be arranged and all the farming activities particularly chemical application should be done keeping the forecast in mind.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
CAULIFLOWER (Transplanting)	The mid season varieties of cauliflower can be transplanted and regular weeding in the early varieties should be done. All the farming activities should be done keeping the forecast in mind.
PUMPKIN (Harvesting)	Ripened cucurbitaceous crop should be stored in a safe place and on occurrence of yellow spot of irregular shape in standing crop, 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	In this month, there is a chance of the occurrence of tent caterpillars in mango. So tent should be removed with the help of tent removable device and effected part should be removed and burnt together with insects. All the farming activities should be done keeping the forecast in mind.

Live Stock Specific Advisory:

Live Stock	Live Stock Specific Advisory
BUFFALO	Water supplied to livestock should be regularly tested to prevent water-borne diseases. To avoid this use antibacterial drugs like red drug in 1:1000 ratio in stored water. Bleaching powder/chlorine can also be used. To prevent 'footrot'

Live Stock	Live Stock Specific Advisory
	disease, hooves should be dipped in 10% formalin solution or 5% blue solution for 2-3 minutes in the morning and evening for at least 3 days. To save the animal from Gal-Ghotu disease, tie them in neat and clean places. When symptoms of Gal-Ghotu disease appeared in the animals, then inject Suphonamides like Sulphamethazine or Sulphadimidne 150mg/Kg in the veins of animal for three days with the advice of Veterinarian.
COW	Water supplied to livestock should be regularly tested to prevent water-borne diseases. To avoid this use antibacterial drugs like red drug in 1:1000 ratio in stored water. Bleaching powder/chlorine can also be used. To prevent 'footrot' disease, hooves should be dipped in 10% formalin solution or 5% blue solution for 2-3 minutes in the morning and evening for at least 3 days. To save the animal from Gal-Ghotu disease, tie them in neat and clean places. When symptoms of Gal-Ghotu disease appeared in the animals, then inject Suphonamides like Sulphamethazine or Sulphadimidne 150mg/Kg in the veins of animal for three days with the advice of Veterinarian.