



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 : 22-08-2023

Weather Forecast of District UDAMSINGH-NAGAR(Uttarakhand) Issued On : 2023-08-22(Valid Till 08:30 IST of the next 5 days)

Parameter	2023-08-23	2023-08-24	2023-08-25	2023-08-26	2023-08-27
Rainfall(mm)	70.0	80.0	110.0	20.0	15.0
Tmax(°C)	30.0	29.0	28.0	28.0	29.0
Tmin(°C)	25.0	25.0	25.0	25.0	25.0
RH-I(%)	95	95	95	95	90
RH-II(%)	75	75	75	75	70
Wind Speed(kmph)	8	8	9	9	5
Wind Direction(Degree)	110	110	90	110	110
Cloud Cover(Octa)	8	8	8	7	2

Weather Summary/Alert:

In the last seven days (August 15-21), 8.2 mm of rainfall was recorded and the maximum and minimum temperature ranged between 30.5 to 34.6 °C and 25.5 to 27.4 °C. The sky remained cloudy as well as clear during the last week. The morning relative humidity ranged between 82 to 95% at 0712 hrs and the evening relative humidity ranged between 63 to 83% at 1412 hrs. The wind speed was 0.1 to 1.6 kmph and the wind direction was mostly towards North and North-North-East. The forecast for the upcoming five days till 27 August shows light to heavy rainfall ranging 15-110 mm while the maximum and minimum temperature would vary between 28- 30 degree celsius and 25 degree celsius, respectively. The wind speed would range between 5-9 kmph and wind direction would mostly be east. Light to moderate rain/thunderstorm is likely to occur at most places on 22nd, 23rd, 24th & 25th August and at many places on 26th August, 2023. warning: Red alert regarding occurrence of heavy to very heavy rainfall accompanied by lightning/thunderstorm and intense rain spell at isolated places has been issued for 23rd and 24th August while an orange alert has been issued regarding similar conditions has been issued for 22nd and 25th August. A yellow alert has been issued for similar conditions on 26th August

General Advisory:

The weekly average rainfall for 9 to 16 August was 145.8 mm against a normal which represents excessive rainfall in the state. The NDVI composite ranged between 0.2-0.4 thus showing moderate agriculture vigour. 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 heavy rainfall has been predicted thus the agricultural activities need to be managed accordingly and proper drainage needs to be maintained in the fields.

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
RICE	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 streptocycline + 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	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 ship 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. 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..
GREEN GRAM	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.
BLACK GRAM	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.
SUGARCANE	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.
GROUNDNUT	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(Varieties)	Horticulture Specific Advisory
PUMPKIN	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.
CAULIFLOWER	Proper drainage should be maintained in the field and any kind of chemical application should be delayed under heavy rainfall conditions.
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(Varieties)	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' disease, hooves should be dipped in

Live Stock(Varieties)	Live Stock Specific Advisory
	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.

