



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 : 18-08-2023

Weather Forecast of District UDAMSINGH-NAGAR(Uttarakhand) Issued On : 2023-08-18(Valid Till 08:30 IST of the next 5 days)

Parameter	2023-08-19	2023-08-20	2023-08-21	2023-08-22	2023-08-23
Rainfall(mm)	15.0	15.0	20.0	50.0	45.0
Tmax(°C)	34.0	32.0	32.0	28.0	28.0
Tmin(°C)	27.0	27.0	26.0	26.0	25.0
RH-I(%)	85	85	85	95	95
RH-II(%)	50	60	55	65	65
Wind Speed(kmph)	10	10	10	12	10
Wind Direction(Degree)	70	70	70	70	90
Cloud Cover(Octa)	5	8	8	8	8

Weather Summary/Alert:

In the last seven days (August 11-17), 33.6 mm of rainfall was recorded and the maximum and minimum temperature ranged between 29.6 to 34.0 °C and 23.9 to 27.0 °C. The sky remained cloudy as well as clear during the last week. The morning relative humidity ranged between 84 to 95% at 0712 hrs and the evening relative humidity ranged between 64 to 83% at 1412 hrs. The wind speed was 0.1 to 3.7 kmph and the wind direction was mostly towards North-North-East. The forecast for the upcoming five days till 23 August shows light to moderate rainfall ranging 15-50 mm while the maximum and minimum temperature would vary between 28- 34 degree celsius and 25-27 degree celsius, respectively. The wind speed would range between 10-12 kmph and wind direction would mostly be east-north-east. Light to moderate rain/thunderstorm likely to occur at scattered places on 18th, 21st and 22nd August. Warning: Yellow alert regarding lightning/thunderstorm and intense rain spell has been given for 18th, 21st and 22nd 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 moderate rainfall has been predicted thus the agricultural activities could be done accordingly.

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
RICE	Maintain proper drainage in the field and continue regular weeding. 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 logging 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. Do all the farming works keeping in mind the forecast.
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 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.
GREEN GRAM	The sowing of the pulse crop should be completed till mid-August. Weeding and thinning operation should be regularly done in the sown crop. All farming operations should be carried out keeping the forecast in mind.
BLACK GRAM	The sowing of the pulse crop should be completed till mid-August. Weeding and thinning operation should be regularly done in the sown crop. All farming operations should be carried out keeping the forecast in mind.
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. Apply the remaining amount of gypsum and entire amount of borax as top dressing in 3 week old crop and mix it well in the soil up to 3-4 cm depth by light hoeing. Any chemical spraying and cultivation activities should be done keeping the forecast in mind.
SESAME (GINGELLY/TIL)	Carry out weeding operation in the crop and go for top-dressing of nitrogen when optimum soil moisture is there in the field. All farming operations should be carried out keeping the forecast in mind.

Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
GUAVA	Grafting for Guava seedlings should be continued.
CAULIFLOWER	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	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.

Live Stock Specific Advisory:

Live Stock(Varieties)	Live Stock Specific Advisory
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

Live Stock(Varieties)	Live Stock Specific Advisory
	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.
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 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.