



**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 NAINITAL(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	100.0	100.0	30.0	20.0
Tmax(°C)	20.0	20.0	19.0	19.0	20.0
Tmin(°C)	16.0	16.0	16.0	16.0	16.0
RH-I(%)	95	95	95	95	90
RH-II(%)	75	75	75	75	70
Wind Speed(kmph)	4	5	4	3	4
Wind Direction(Degree)	140	110	70	140	70
Cloud Cover(Octa)	8	8	8	6	3

### Weather Summary/Alert:

In the coming five days, light to heavy rain upto 27 August ranging 20-100 mm is likely to occur. Maximum & minimum temperature may range from 19.0 to 20.0 degree Celsius & 16.0 degree Celsius, respectively. Wind will blow with a speed of 4.0-5.0 km/hr from the East and East-North-East direction. 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 107.3 mm against a normal which represents normal rainfall in the district. The NDVI composite ranged between 0.05-0.25 thus showing agriculture vigour to vary between bare rocks, snow, clouds, etc and moderate condition. 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..
FINGER MILLET	Keep monitoring the crops and do weeding as per requirement. Proper drainage should be maintained in the field and all the farming activities should be done keeping the forecast in mind.
SUGARCANE	In plain regions, 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(Varieties)	Horticulture Specific Advisory
CAULIFLOWER	The transplantation of early varieties of cabbage, cauliflower, broccoli and knolkhol along with root crops like radish and turnip can be taken up in the mid hilly regions but only after sufficient moisture in the field as rainfall has been predicted. Proper drainage measures should be taken as per the forecasted rainfall.
BRINJAL	Continuous picking of the fruits should continue and proper drainage should be maintained in the field.
CAPSICUM	Continuous picking of the fruits should continue and proper drainage should be maintained in the field.
FRENCH BEAN	To control the white rotting in french bean, Caerbendazim 1 g/liter needs to be sprayed but only under clear weather conditions.

#### 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 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 Sulphonamides 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

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