



**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 NAINITAL(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
<b>Rainfall(mm)</b>	30.0	25.0	30.0	60.0	70.0
<b>Tmax(°C)</b>	25.0	24.0	23.0	20.0	20.0
<b>Tmin(°C)</b>	16.0	16.0	16.0	16.0	16.0
<b>RH-I(%)</b>	90	95	95	95	95
<b>RH-II(%)</b>	65	75	75	75	75
<b>Wind Speed(kmph)</b>	6	4	4	6	4
<b>Wind Direction(Degree)</b>	70	70	140	110	110
<b>Cloud Cover(Octa)</b>	5	8	8	8	8

### Weather Summary/Alert:

In the coming five days, moderate to heavy rain upto 23 August ranging 30-70 mm is likely to occur. Maximum & minimum temperature may range from 20.0 to 25.0 degree Celsius & 16.0 degree Celsius, respectively. Wind will blow with a speed of 4.0-6.0 km/hr from the East-South-East direction. Light to moderate rain/thunderstorm likely to occur at scattered places on 18th, 19th and 20th August and at many places on 21st and 22nd August. Warning: Yellow alert regarding lightning/thunderstorm and intense rain spell has been given for 18th, 19th and 20th August and an orange alert regarding similar conditions has been issued for 21st and 22nd 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:

Moderate to heavy rainfall has been predicted for the district so appropriate drainage should be maintained in the field and farming activities should be taken up accordingly.

### Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
FINGER MILLET	Keep monitoring the crops and do weeding as per requirement. At optimum soil moisture, go for top-dressing of urea @0.9 kg . Proper drainage should be maintained in the field and all the farming activities should be done keeping the forecast in mind.

Crop(Varieties)	Crop Specific Advisory
RICE	In Jethi rice , remove the weeds. At optimum soil moisture, go for top-dressing of urea @1.25 kg per furrow. Proper drainage should be maintained in the field and all the farming activities should be done keeping the forecast in mind.
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. However, all the chemical applications and farming operations should be done keeping the forecast in mind.
SOYABEAN	Regular weeding and thinning should be done in the crop and proper drainage should be arranged. All farming activities should be performed 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.
CAPSICUM	Continuous picking of the fruits should continue and proper drainage should be maintained in the field.
TOMATO	Continuous picking of the fruits should continue and proper drainage should be maintained in the field.
VEGETABLE PEA	In unirrigated (rainfed) mid hilly regions, arrangement of the seeds of early variety of pea should be done for sowing them in the mid of August. Seed selected for sowing must be treated before sowing.
FRENCH BEAN	To control the white rotting in french bean, Caerbendazim 1 g/liter should be sprayed keeping in view the weather forecast.
COWPEA/ LOBIA	To control the white rotting in cowpea (lobia), Caerbendazim 1 g/liter should be sprayed keeping in view the weather forecast.

#### 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 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.