



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 : 27-08-2024

Weather Forecast of District NAINITAL(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)	30.0	20.0	20.0	15.0	15.0
Tmax(°C)	24.0	23.0	23.0	24.0	24.0
Tmin(°C)	18.0	18.0	19.0	19.0	19.0
RH-I(%)	94	96	92	92	94
RH-II(%)	79	80	73	61	65
Wind Speed(kmph)	5	6	5	6	6
Wind Direction(Degree)	140	140	140	130	120
Cloud Cover(Octa)	8	8	8	7	6

Weather Summary/Alert:

The upcoming week predicts light rainfall of 15-30 mm and maximum-minimum temperature varying between 23.0-24.0°C and 18.0-19.0°C, respectively. The wind is expected to blow from south-east, south-east-south and south-east-east at a speed of 5-6 kmph. Light to moderate rain/thundershowers is likely to occur at many places from 27 to 29 August and 02 September, 2024 and at few places from 30 August to 01 September, 2024. A yellow warning regarding occurrence of heavy rain at isolated places has been given for 27 August 2024. and occurrence of thunderstorm accompanied with lightning / intense to very intense rainspell at isolated places has been given for 27 to 31 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 to moderate rainfall has been predicted so the farming practices should 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

Crop (Stage)	Crop Specific Advisory
	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 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 (Vegetative)	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 (Tillering)	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 (Stage)	Horticulture Specific Advisory
BRINJAL (Harvesting)	Continuous picking of the crops should be done and proper drainage should be maintained in the field.
CAPSICUM (Harvesting)	Continuous picking of the crops should be done and proper drainage should be maintained in the field.
CAULIFLOWER (Transplanting)	The transplantation of early varieties of cabbage, cauliflower, broccoli and knol-khol 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. Proper drainage measures should be taken as per the forecasted rainfall.
FRENCH BEAN (Pod Development)	To control the white rotting in French bean/Cowpea, carbendazim 1g/l should be sprayed. The farming operations should be scheduled as per the forecast.
COWPEA/ LOBIA (Pod Development)	To control the white rotting in French bean/Cowpea, carbendazim 1g/l should be sprayed. The farming operations should be scheduled as per the forecast.

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' 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.
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.