



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 : 25-08-2023

Weather Forecast of District UDAMSINGH-NAGAR(Uttarakhand) Issued On : 2023-08-25(Valid Till 08:30 IST of the next 5 days)

Parameter	2023-08-26	2023-08-27	2023-08-28	2023-08-29	2023-08-30
Rainfall(mm)	15.0	10.0	12.0	8.0	8.0
Tmax(°C)	32.0	32.0	33.0	34.0	34.0
Tmin(°C)	25.0	25.0	25.0	25.0	26.0
RH-I(%)	90	85	80	80	85
RH-II(%)	60	60	60	60	60
Wind Speed(kmph)	8	10	10	12	8
Wind Direction(Degree)	70	140	140	70	70
Cloud Cover(Octa)	3	2	1	1	1

Weather Summary/Alert:

In the last seven days (August 18-24), 64.8 mm of rainfall was recorded and the maximum and minimum temperature ranged between 27.0 to 34.6 °C and 24.1 to 27.4 °C. The sky remained cloudy on most of the days 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 89% at 1412 hrs. The wind speed was 0.1 to 5.1 kmph and the wind direction was mostly towards North . The forecast for the upcoming five days shows very light rainfall ranging 1-9 mm with maximum and minimum temperature ranging 31 to 34 degree celsius and 18-20 degree celsius. The wind speed ranged 8-11 km per hour and direction was mostly east-north-east. Light to moderate rain/thunderstorm likely to occur at many places on 25th & 26th August. Warning: A yellow alert regarding occurrence of thunderstorm/lightning with intense shower has been given for 25 and 26 August.

General Advisory:

The weekly rainfall as given by IMD indicates 133.7 mm (large excess) of rainfall in the district while the extended range forecast indicates deficient rainfall for 25-31 August. 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:

In the coming five days, very light rain is likely occur. Warning: Thunderstorm accompanied with lightning and intense shower may occur on 25 and 26 August.

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 streptomycin + 500 grams of copper oxychloride in 1000 liters of water per hectare. The spray should be done at 7-10 days conditions. On the occurrence of stem borer above ETL, chlorantraniliprole 20 SC @150ml/ha or flubendiamide 480 SC @ 75ml/ha or Fipronil 5 SC @ 1.0 lit or 600 g Cartap hydrochloride 50 WP or 2,5 lit of Chlorpyrifos 20 EC in 500-600 lit of water /ha should be sprayed. All the farming activities should be performed under clear weather conditions .
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 shell shaped spots). Second spraying should be done at 10-15 days interval. All the farming activities should be performed under clear weather conditions.
SUGARCANE	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. On the occurrence of white fly in sugarcane crop, thiamethoxam 25 WG @ 125 g/ha should be sprayed. All the farming activities should be performed under clear weather conditions.
GROUNDNUT	In tikka disease, light brown circular spots are formed on the leaves, around which there are yellow circles on the lower surface. For its treatment, Chlorothalonil 2 kg/ Mancozeb 80% 2 kg/ Propiconazole 25 EC 500 ml dissolved in 800 to 1000 litres per hectare should be sprayed 2-3 times at an interval of 10-12 days. All the farming activities should be performed under clear weather conditions.

Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
SPINACH	Field should be prepared for early variety of Spinach (Palak) and sowing should be done in this month. Spinach should be sown at 25-30 cm distance in the lines and seed rate should be @25-30kg seeds/Ha. All the farming activities should be performed under optimum soil moisture conditions.
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 under clear weather 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 performed 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.

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.