



Gramin Krishi Mausam Sewa
District Level Agromet Advisory Bulletin
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 Udham Singh Nagar, Pantnagar, Uttarakhand



Agromet Advisory Bulletin

Date : 01-09-2023

Weather Forecast of District UDAMSINGH-NAGAR(Uttarakhand) Issued On : 2023-09-01(Valid Till 08:30 IST of the next 5 days)

Parameter	2023-09-02	2023-09-03	2023-09-04	2023-09-05	2023-09-06
Rainfall(mm)	0.0	0.0	0.0	0.0	0.0
Tmax(°C)	33.0	34.0	34.0	36.0	37.0
Tmin(°C)	23.0	22.0	22.0	21.0	21.0
RH-I(%)	80	70	70	70	70
RH-II(%)	55	50	45	45	45
Wind Speed(kmph)	7	8	8	7	7
Wind Direction(Degree)	100	60	70	55	45
Cloud Cover(Octa)	0	1	2	3	3

Weather Summary/Alert:

In the last seven days (August 25-31), 46.0 mm of rainfall was recorded and the maximum and minimum temperature ranged between 29.6 to 34.0 °C and 23.8 to 26.3 °C. The sky remained clear on most of the days during the last week. The morning relative humidity ranged between 85 to 95% at 0712 hrs and the evening relative humidity ranged between 60 to 73% at 1412 hrs. The wind speed was 0.2 to 6.0 kmph and the wind direction was mostly towards North-North-East. The forecast for the upcoming five days shows no rainfall with maximum and minimum temperature ranging 33 to 37 degree celsius and 21-23 degree celsius. The wind speed ranged 7-8 km per hour and direction was mostly north-east. Dry weather is predicted to prevail in the district.

General Advisory:

As per the extended range forecast the weekly average rainfall for the district was 22.3 mm which has been indicated as largely deficient and for the upcoming week deficient rainfall has been predicted. The NDVI composite for the region ranged between 0.3-0.4 which indicated moderate agriculture vigour in the region. 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:

As no rainfall has been predicted in the region, all the farming activities can be carried out efficiently and light irrigation should be applied to the crops in dry regions.

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
RICE	The crop would now observe initiation of panicle formation during which top dressing of urea has to be done along with proper irrigation application and drainage maintenance in the

Crop(Varieties)	Crop Specific Advisory
	field. On occurrence of bacterial blight symptoms such as water-soaked spots on the leaves which gradually increase to become long stripes ultimately 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 interval. 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. On occurrence of common pest i.e. brown plant hopper farmers need to spray Triflumezopyrim 10 SC @235 ml/ Fipronil 5 SC @1000 ml/ Buprofezin 25 SC @1 litre/ Thiamethoxam 25 WSG @100 gm mixed in 500 litre water per hectare. The spray should be done near the stem. Buprofezin should be used in case of less infestation, Triflumezopyrim in case of heavy infestation and Fipronil 5 SC in case of stem borer+brown plant hopper attack.
SUGARCANE	The most prevalent red rot disease symptoms may appear which occurs after monsoon season and continues to persist till harvesting. For this the farmers need to use resistant varieties and keep their fields clean. The infested canes should be plucked from the root and burned to stop further spread. Complete destruction of infected canes and use of treated seeds are the best preventive measures. As per the requirement, the three stalks of two lines should be tied together (scissors tied). 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.
MAIZE	As the cobs start filling seeds, irrigation should be applied as per requirement. On occurrence of pest infestation appropriate farming measures should be taken. In case of fall army worm attack in the plain regions, Chlorantraniliprole 18.5 SC @0.4ml/l of water should be applied. 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.
GREEN GRAM	Weeding operation should be taken up in the last month sown crop and light irrigation should be applied as per the requirement of the crop. On occurrence of yellow mosaic virus which is transferred by white fly, apply pyriproxyfen 10 E.C. @0.5 litre / ha mixed in 500-600 litre of water at 10-12 days interval. The farmers should use resistant varieties against yellow mosaic virus.
BLACK GRAM	Weeding operation should be taken up in the last month sown crop and light irrigation should be applied as per the requirement of the crop. On occurrence of yellow mosaic virus which is transferred by white fly, apply pyriproxyfen 10 E.C. @0.5 litre / ha mixed in 500-600 litre of water at 10-12 days interval. The farmers should use resistant varieties against yellow mosaic virus.
SOYABEAN	If rainfall is not enough then on formation of flowers and pods light irrigation should be applied as per the requirement. On occurrence of yellow mosaic virus which is transferred by white fly, apply pyriproxyfen 10 E.C. @0.5 litre / ha mixed in 500-600 litre of water at 10-12 days interval. The farmers should use resistant varieties against yellow mosaic virus.
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.

Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
CAULIFLOWER	The late varieties of cauliflower, cabbage varieties and knol-khol can be transplanted in this month and this should be done when the seedling become 4-6 weeks old or they attain 4-6 leaf stage.
RADISH	The european varieties of radish , asian and european varieties of carrot and beetroot varieties can be sown during this month.
CHILLI	On drying of the upper stipe of chilly crop and if it is turning black, then infected branches should be removed by plucking to save the crop. To save the crop from rotting spray 0.1% Caerbendazim solution.
PAPAYA	On the occurrence of collar rot disease in papaya, application of Metalaxyl + Mancozeb (Ridomil Gold) @ 2g/lit water has been found very effective. Spray may be repeated at 10 days interval.

Live Stock Specific Advisory:

Live Stock(Varieties)	Live Stock Specific Advisory
COW	The milk of female calves should be weaned from the mother only after six months, so that their physical development can take place in a good way.
BUFFALO	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.