



Agromet Advisory Bulletin

Date: 25.01.2024

Weather Forecast of District UDHAMSINGH-NAGAR (Uttarakhand) Issued On: 2024-01-24 (Valid Till 08:30 IST of the next 5 days)

Parameter	26/01/2024	27/01/2024	28/01/2024	29/01/2024	30/01/2024
Rainfall(mm)	0.0	0.0	0.0	0.0	0.0
Max Temp(°C)	15.0	16.0	16.0	17.0	17.0
Min Temp(°C)	4.0	3.0	4.0	5.0	6.0
Max RHI (%)	70	70	70	70	70
Min RHII(%)	30	30	30	30	30
Wind speed (km/h)	0	0	0	0	0
Wind direction	140	140	140	140	140
Cloud cover	0	0	0	0	0

Weather Summary/Alert:

Last seven days (18 to 24 January) observed 0 mm rainfall with maximum and minimum temperature varying between 10.5-16.5 and 0.9-8.4°C, respectively. The weather was observed to be foggy with hazy sunlight on few days. The morning and evening relative humidity varied between 87-100% and 63-95%, respectively. The wind speed mostly ranged between 0.0-3.4 kmph blowing primarily from the south-south-west, east-south-east, south-west, west-north-west and west-south-west direction. The upcoming 5 day forecast shows no rainfall with maximum and minimum temperature varying between 15.0-17.0°C and 3-6°C. The wind speed is expected to be 0 kmph from south-east direction. Dry weather is likely to prevail during the period. A yellow alert regarding likely occurrence of cold day conditions at isolated places and dense fog in some parts of U.S.Nagar has been predicted for 25th & 26th January 2024.

General Advisory:

A regular update regarding weather forecast and agrometeorological advisory is available on the “Meghdoot App” and “Damini App” is also available to get lightning information. Meghdoot and Damini apps can be downloaded from Google Play Store (Android users) and App Center (iOS users). The NDVI composite shows good agricultural vigour in the region. The extended range forecast system shows normal rainfall, maximum and minimum temperature trend during 26 January to 1 February. The weather with high relative humidity and foggy conditions is suitable for the occurrence of diseases in rabi crops so suitable monitoring and sprays should be followed.

SMS Advisory:

A yellow alert regarding cold day conditions and dense fog has been given so appropriate farming measures to prevent chilling injury and control disease occurrence in crops should be followed.

Crop Specific Advisory:

Crop(Varieties)	Stage	Crop Specific Advisory
Chickpea/Lentil	vegetative/flowering	Irrigation application at flowering and pod formations should be given as required.
Rapeseed(Lahi) /Rai/Mustard	Maturity/flowering/ pod formation	The rapeseed crop should be harvested on maturity and properly dried before shredding. Application of irrigation at flowering and pod formation stage in Mustard (Rai) as per requirement is necessary to

		avoid yield losses. Regular monitoring of mustard for pest and disease attack should be done and recommended practices for control should be followed. In case of alternaria blight, regular spray of Mancozeb 75% @2kg/ha in 800-1000 litre water, 2-3 times at an interval of 10 days is required while in case of white rust, regular spray of Metalaxyl 35 WS or Ridomil MZ 72 @ 2.5kg/ha in 800-1000 litre water, 2-3 times at an interval of 10 days. There might be a light attack of downy mildew which can be treated with Metalaxyl 35 WS or Ridomil MZ 72 @ 2kg/ha in 500 litres of water.
Wheat	Vegetative	The crop should be irrigated as required and weed emergence should be controlled. The weather conditions are suitable for yellow rust occurrence so appropriate measures should be taken up.
Barley	Vegetative	The crop should be irrigated as per requirement and weed management measures should be followed.
Fodder crops	Vegetative	Irrigation should be provided just after first cut in the crops and urea application should be done in oat crop.
Sugarcane	Maturity/vegetative	The crop should be harvested at 16-18% brix value and appropriate farming operations should be followed in autumn sugarcane.

Horticulture Specific Advisory:

Horticulture (Varieties)	Stage	Horticulture Specific Advisory
Onion	Seedling	The onion seedlings should be protected against frost and cold temperatures with proper measures having easy air and water movement.
Vegetable pea	Flowering/pod formation/maturity	The pea crop is very sensitive to dry and cold nights so irrigation should be applied as required and regular monitoring for pest and diseases should be done. On occurrence of powdery mildew/aphid attack appropriate chemical or mechanical measures should be taken up.
Tomato/chilli	Flowering/ Fruit formation	The temperature and humidity levels are suitable for pest and disease attack so regular monitoring of crop should be done and recommended practices should be followed. The crop should be regularly monitored for disease transferring insects and controlled with the recommended practices. Late blight disease in tomatoes can be prevented with a Mancozeb spray @ 2.5g/liter of water.
Potato	Maturity	To control the late blight disease in potato, it is advised that solution of Mancozeb@ 2.5g/liter of water should be sprayed.

Live Stock Specific Advisory

Livestock	Live Stock Specific Advisory
Cow/Buffalo	To save the animal from cold, increase the amount of oil and Jaggery (Gur) in the food of animals. Caraway (Ajwain) and gur also be given to the animals. To save the animals from cold, proper arrangement of animal shed should be done. Vaccination should be given to the animals to save them from Rinderpest disease (Sheetla rog).The animal feed should be increased by 10% for extra energy requirement.
Hen	Medicine as per the veterinarian should be administered for aflatoxiosis caused due to fungal growth in their feed.

Others (Soil/Land Preparation) Specific Advisory

Others (Soil / Land Preparation)(Varieties)	Others (Soil / Land Preparation) Specific Advisory
General Advice	There is likely occurrence of cold conditions and dense fog in the region so appropriate measures to protect the young seedlings should be taken up. Irrigation should be applied as required in the crops. Heaters and smoke should be used to prevent frost and chilling injury in the crops. The weather is congenial; for disease occurrence in most of the crops so appropriate sprays should be done to protect the crops.

