



## **Agromet Advisory Bulletin**

**Date: 12.01.2024**

**Weather Forecast of District UDHAMSINGH-NAGAR (Uttarakhand) Issued On: 2024-01-12 (Valid Till 08:30 IST of the next 5 days)**

Parameter	13/01/2024	14/01/2024	15/01/2024	16/01/2024	17/01/2024
<b>Rainfall(mm)</b>	0.0	0.0	0.0	0.0	0.0
<b>Max Temp(°C)</b>	13.0	13.0	13.0	14.0	14.0
<b>Min Temp(°C)</b>	8.0	8.0	8.0	9.0	9.0
<b>Max RHI (%)</b>	75	75	75	75	75
<b>Min RHI(%)</b>	35	35	35	35	35
<b>Wind speed (km/h)</b>	1	1	1	1	1
<b>Wind direction</b>	320	320	320	140	140
<b>Cloud cover</b>	0	0	0	2	2

### **Weather Summary/Alert:**

Last seven days (5 to 11 January) observed 0 mm rainfall with maximum and minimum temperature varying between 11.6-19.6 and 4.5-10.2°C, respectively. The weather was observed to be foggy with partial cloudy conditions during the last week. The morning and evening relative humidity varied between 92-100% and 74-88%, respectively. The wind speed mostly ranged between 1.7-7.4 kmph blowing primarily from the west-north-west, south-south-west, west, north-north-west and west-south-west direction. The upcoming 5 day forecast shows no rainfall with maximum and minimum temperature varying between 13.0-14.0°C and 8-9°C. Dry weather is likely to prevail during most of the days. The wind speed is expected to vary by 1 kmph from north-west and south-east direction. Dry weather is expected to prevail in the region and conditions of cold day are likely to occur at isolated places and dense fog likely to occur at few places in U.S.Nagar district on 12th & 13th, 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 moderate to good agricultural vigour in the region. The extended range forecast system indicates large deficient rainfall trend from 12-18 January. The maximum temperature indicates above normal trend in hills and normal trend in plains while the minimum temperature shows normal trend in the region. Regular monitoring of crops for disease occurrence along with weeding and hoeing operations should be carried out.

### **SMS Advisory:**

Dry weather is likely to remain in the region with prediction of cold day conditions with dense fog at isolated places in US Nagar district on 12th and 13th January, 2024.

### Crop Specific Advisory:

Crop(Varieties)	Stage	Crop Specific Advisory
Chickpea/Lentil	vegetative/flowering	Regular hoeing-weeding should be done in the crops and irrigation should be applied as required. In chickpea/lentil, in case of aphid attack recommended practices should be followed.
Rapeseed(Lahi) /Rai/Mustard	flowering/pod formation	In case of late sown rapeseed harvesting should be done at maturity while in case of mustard (Rai) irrigation should be applied at flowering and pod formation. Regular monitoring of mustard for pest and disease attack should be done and recommended practices for control should be followed.
Wheat	Vegetative	In case of weed emergence in late sown crop, manual weeding and hoeing should be followed or chemical application as per recommendation should be followed along with irrigation application as per requirement. In case of zinc deficiency recommended dose of zinc sulphate spray should be scheduled for the crop and regular monitoring for diseases should be done.
Barley	Vegetative	The late sown crop should be monitored for weeding and hoeing and irrigation application as per requirement should be done.
Sugarcane	Vegetative	Ratoon and autumn sugarcane should be monitored and appropriate farming operations like water shoot cutting should be done.
Fodder crops	Vegetative	The crops should be harvested at appropriate time and irrigation should be applied just after harvesting.

### Horticulture Specific Advisory:

Horticulture (Varieties)	Stage	Horticulture Specific Advisory
Onion	Transplanting	The transplanting of onion crop should be completed.
Vegetable pea	vegetative/ flowering	Regular hoeing-weeding should be done in the crops and irrigation should be applied as required.
Tomato/chilli	Flowering/ Fruit formation	The crop should be regularly monitored for disease transferring insects and controlled with the recommended practices.
Potato	Vegetative	Leftover nitrogen application should be done at 30-35 days interval when earthing up operation is followed in the crop. 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.
Sheep/Goat	Keep the delivery chambers of sheep/goats clean and neat.