



Agromet Advisory Bulletin

Date: 19.01.2024

Weather Forecast of District UDHAMSINGH-NAGAR (Uttarakhand) Issued On: 2024-01-19 (Valid Till 08:30 IST of the next 5 days)

Parameter	20/01/2024	21/01/2024	22/01/2024	23/01/2024	24/01/2024
Rainfall(mm)	0.0	0.0	0.0	0.0	0.0
Max Temp(°C)	12.0	13.0	14.0	14.0	13.0
Min Temp(°C)	8.0	8.0	8.0	7.0	7.0
Max RHI (%)	85	80	75	75	70
Min RHII(%)	35	30	25	25	25
Wind speed (km/h)	6	6	6	6	6
Wind direction	320	320	320	320	320
Cloud cover	1	1	1	1	1

Weather Summary/Alert:

Last seven days (12 to 18 January) observed 0 mm rainfall with maximum and minimum temperature varying between 11.5-17.0 and 4.8-8.5°C, respectively. The weather was observed to be foggy on most of the days. The morning and evening relative humidity varied between 90-100% and 68-97%, respectively. The wind speed mostly ranged between 1.7-4.0 kmph blowing primarily from the south-south-west, west, north-west and east-south-east direction. The upcoming 5 day forecast shows no rainfall with maximum and minimum temperature varying between 12.0-14.0°C and 7-8°C. Dry weather is likely to prevail during the period. The wind speed is expected to vary by 6 kmph from north-west direction. Cold day condition and dense fog conditions is likely to occur at isolated places in Udham Singh Nagar on 19th, 20th & 21st 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 19-25 January. The maximum and minimum temperature indicates normal trend in hills and normal trend in the region. A yellow alert regarding occurrence of cold days on 19 & 20 along with dense fog occurrence on 19, 20 & 21 has been predicted so the farming activities should be done accordingly.

SMS Advisory:

As dense fog and cold day conditions have been predicted so farmers should monitor their crop and give irrigation as required. The livestock should be protected from extreme cold by keeping warm.

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. In case of alternaria blight Mancozeb 75% @2kg/ha in 800-1000 litre water should be sprayed 2-3 times at an interval of 10 days and in case of white rust occurrence spray of Metalaxyl 35 WS or Ridomil MZ 72 @ 2.5kg/ha in 800-1000 litre water should be sprayed 2-3 times at an interval of 10 days. Downy mildew disease can be treated using Metalaxyl 35 WS or Ridomil MZ 72 @ 2kg/ha in 500 litre water which can be sprayed 1-2 times.
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. On occurrence of yellow rust appropriate measures should be taken up.
Barley	Vegetative	The late sown crop should be monitored for weeding and hoeing and irrigation application as per requirement should be done.
Sugarcane	Vegetative	Mature sugarcane should be harvested at 18% brix value. The 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. In case of oats, just after irrigation application 30 kg Nitrogen/ha should be applied.

Horticulture Specific Advisory:

Horticulture (Varieties)	Stage	Horticulture Specific Advisory
Onion	Transplanting/ seedling	The transplanting of onion crop should be completed and appropriate measures to protect the seedlings against extreme cold should be taken up.
Vegetable pea	Pod formation/maturity	Regular hoeing-weeding should be done in the crops and irrigation should be applied as required. On the occurrence of white cotton like growth in the pods or stem of the pea, infected plants should be removed and destroyed.
Tomato/chilli	Flowering/ Fruit formation	The crop should be regularly monitored for disease transferring insects and controlled with the recommended practices. To control the late blight disease in tomatoes, it is advised that a solution of Mancozeb @ 2.5g/liter of water should be sprayed.
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.
Sheep/Goat	Keep the delivery chambers of sheep/goat neat and clean.

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. The weather is congenial; for disease occurrence in most of the crops so appropriate sprays should be done to protect the crops.