



Agromet Advisory Bulletin

Date: 02.02.2024

Weather Forecast of District UDHAM SINGH-NAGAR (Uttarakhand) Issued On: 2024-02-02 (Valid Till 08:30 IST of the next 5 days)

Parameter	03/02/2024	04/02/2024	05/02/2024	06/02/2024	07/02/2024
Rainfall (mm)	0.0	0.0	3.0	8.0	1.0
Max Temp (°C)	23.0	20.0	21.0	22.0	23.0
Min Temp (°C)	6.0	9.0	8.0	7.0	6.0
Max RHI (%)	75	75	85	85	75
Min RHII (%)	35	35	45	45	35
Wind speed (km/h)	1	1	2	2	2
Wind direction	320	320	320	230	230
Cloud cover	0	0	7	6	1

Weather Summary/Alert:

Last seven days (26 January to 01 February) observed 7.2 mm of light rainfall on 1st February with maximum and minimum temperature varying between 11.5-22.5 and 2.4-12.8°C, respectively. The weather was observed to be cloudy and hazy on most of the days. The morning and evening relative humidity varied between 91-100% and 52-95%, respectively. The wind speed mostly ranged between 0.9-3.5 kmph blowing primarily from the south-south-west, south-south-east, south-west, east-south-east and south-east direction. The upcoming 5 day forecast shows very light to light rainfall of 3-8 mm with maximum and minimum temperature varying between 20.0-23.0°C and 6-9°C. The wind speed is expected to be 1-2 kmph from south-west and north-west direction. There is likely occurrence of very light to light rainfall at few places on 4th February, 2024 and at isolated places on 5th and 6th February, 2024 accompanied by thunderstorm and lightning. Dry weather is expected to prevail on 3rd February, 2024 in the region and a yellow alert regarding occurrence of dense fog has been given for 2nd February, 2024.

General Advisory:

A regular update regarding weather forecast and agrometeorological advisory is available on the “Meghdoot App” while “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 agricultural vigour in the region. The extended range forecast system shows normal rainfall, maximum and minimum temperature trend during 2 to 8 February. Very light to light rainfall has been predicted so appropriate farming practices should be scheduled accordingly like postponement of irrigation and chemical application.

SMS Advisory:

A likely occurrence of very light rainfall accompanied by thunderstorm/lightning on 4, 5 & 6th February has been predicted so irrigation and chemical application should be delayed for the time being.

Crop Specific Advisory:

Crop (Varieties)	Stage	Crop Specific Advisory
Chickpea/Lentil	vegetative/flowering	Irrigation application at flowering and pod formations should be delayed as per the forecast.
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

		<p>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.</p> <p>The harvested crop should be protected as per the forecasted rainfall and any kind of chemical application should be delayed.</p>
Wheat	Vegetative	<p>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.</p> <p>Irrigation application should be scheduled as per the forecast.</p>
Barley	Vegetative	<p>The crop should be irrigated as per requirement and weed management measures should be followed.</p> <p>Any kind of farming operation should be scheduled as per the forecast.</p>
Fodder crops	Vegetative	<p>Irrigation should be provided just after first cut in the crops and urea application should be done in oat crop.</p> <p>Any kind of farming operation should be scheduled as per the forecast.</p>
Sugarcane	Maturity/vegetative	<p>The crop should be harvested at 16-18% brix value and appropriate farming operations should be followed in autumn sugarcane.</p> <p>Any kind of farming operation should be scheduled as per the forecast.</p>

Horticulture Specific Advisory:

Horticulture (Varieties)	Stage	Horticulture Specific Advisory
Onion	Seedling	<p>The onion seedlings should be protected against harm by direct rainfall with proper measures having easy air and water movement.</p> <p>Any kind of farming operation should be scheduled as per the forecast.</p>
Vegetable pea	Flowering/pod formation/maturity	<p>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.</p> <p>Any kind of farming operation should be scheduled as per the forecast.</p>
Tomato/chilli	Flowering/ Fruit formation	<p>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.</p> <p>Any kind of farming operation should be scheduled as per the forecast.</p>
Potato	Maturity	<p>To control the late blight disease in potato, it is advised that solution of Mancozeb @ 2.5g/liter of water should be sprayed.</p> <p>Any kind of farming operation should be scheduled as per the forecast.</p>

Live Stock Specific Advisory

Livestock	LiveStock Specific Advisory
Cow/Buffalo	<p>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.</p>
Hen	<p>Medicine as per the veterinarian should be administered for aflatoxiosis caused due to fungal growth in their feed.</p>