



## **Agromet Advisory Bulletin**

**Date: 01.03.2024**

**Weather Forecast of District UDHAM SINGH-NAGAR (Uttarakhand) Issued On: 2024-03-01 (Valid Till 08:30 IST of the next 5 days)**

Parameter	02/03/2024	03/03/2024	04/03/2024	05/03/2024	06/03/2024
<b>Rainfall (mm)</b>	10.0	25.0	10.0	0.0	0.0
<b>Max Temp (°C)</b>	18.0	20.0	22.0	23.0	23.0
<b>Min Temp (°C)</b>	12.0	9.0	7.0	7.0	9.0
<b>Max RHI (%)</b>	85	85	85	75	75
<b>Min RHII (%)</b>	45	45	45	35	35
<b>Wind speed (km/h)</b>	2	2	1	1	1
<b>Wind direction</b>	320	140	140	320	320
<b>Cloud cover</b>	8	8	6	0	0

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

During the last seven days (23 to 29 February) 0.8 mm rainfall was observed while the maximum and minimum temperature was found to be between 23.5-25.5 and 4.4-14.9 oC, respectively. The weather was observed to be clear on most of the days during last week. The morning and evening relative humidity varied between 75-95% and 23-45%, respectively. The wind speed mostly ranged between 2.6-6.6 kmph blowing primarily from the west, west-north-west, west-south-west and south-west direction. The upcoming 5 day forecast shows very light to medium rainfall of 10-25 mm during 2nd, 3rd and 4th March with maximum and minimum temperature varying between 18.0-23.0oC and 7-12oC. The wind speed is expected to be 1-2 kmph from north-west and south-east direction. Very light to light rain is likely to occur at many places on 1st & 3rd March, 2024 and light to moderate rain at most places on 2nd March, 2024. Dry weather is likely to prevail during rest of the period. An orange alert and warning regarding occurrence of thunderstorm along with lightening/hailstorm and gusty winds(40-50 kmph) at isolated places on 2nd March, 2024 and a yellow alert regarding similar occurrence at isolated places on 1st March, 2024 has been given as per the IMD prediction. On 3rd March too similar conditions of thunderstorm with lightening is expected to prevail.

### **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 issued by IMD shows that the predicted trend from 01-07 March would observe normal rainfall and below normal maximum-minimum temperature trend. As per the IMD issued forecast a yellow alert regarding thunderstorm, lightening/hailstorm and gusty winds (speed of 40-50 kmph) has been given for 1st and 3rd March while an orange alert regarding similar events on 2nd March has been predicted so sowing operations, irrigation and chemical application can be scheduled accordingly.

### **SMS Advisory:**

As per the warning on 1st, 2nd and 3rd March the farming operations should be decided as per the forecast.

### Crop Specific Advisory:

Crop (Varieties)	Stage	Crop Specific Advisory
Chickpea/Lentil	Flowering/pod formation	Regular monitoring of the crop is important and any kind of chemical spray or irrigation application should be scheduled as per the forecast.
Rai	pod formation/maturity	Regular monitoring of the crops is required for pests and any spray or irrigation application should be scheduled as per the forecast. The harvesting of mature pods should be scheduled as per the forecast.
Wheat	Vegetative/panicle initiation	The irrigation and chemical application against pest/disease or weed should be scheduled as per the forecast.
Sugarcane	Sowing/vegetative	Sowing of spring sugarcane and irrigation in autumn planted sugarcane should be scheduled as per the forecast.
Fodder maize	Sowing	Sowing of fodder maize should be scheduled as per the forecast.
Cluster bean	Sowing	Sowing operation should be scheduled as per the forecast.

### Horticulture Specific Advisory:

Horticulture (Varieties)	Stage	Horticulture Specific Advisory
Tomato/chilli	Fruit formation/maturity	Any kind of chemical or irrigation application should be scheduled as per the forecast. Harvested crop should be supplied to the market
French bean	Sowing	Sowing of French bean should be scheduled as per the forecast and germinated seedlings should be protected
Vegetable pea	Flowering/pod formation	Regular monitoring of the crop is important and any kind of chemical spray or irrigation application should be scheduled as per the forecast.

### Live Stock Specific Advisory

Livestock	LiveStock Specific Advisory
Cow/Buffalo	Take measures to control lice/lice, colonies and flies in animals. For adequate availability of green fodder, sow jowar, maize, etc.
Sheep	Provide additional balanced diet to female and male sheep used for breeding.
Sheep/goats	Get sheep/goats vaccinated to protect them against smallpox.