



Agromet Advisory Bulletin

Date: 20.02.2024

Weather Forecast of District UDHAM SINGH-NAGAR (Uttarakhand) Issued On: 2024-02-20 (Valid Till 08:30 IST of the next 5 days)

Parameter	21/02/2024	22/02/2024	23/02/2024	24/02/2024	25/02/2024
Rainfall (mm)	5.0	5.0	10.0	0.0	0.0
Max Temp (°C)	25.0	25.0	23.0	23.0	23.0
Min Temp (°C)	13.0	11.0	10.0	9.0	8.0
Max RHI (%)	85	85	80	75	70
Min RHI (%)	40	30	35	30	30
Wind speed (km/h)	8	8	8	8	8
Wind direction	270	270	230	230	230
Cloud cover	1	4	3	1	1

Weather Summary/Alert:

Last seven days (13 to 19 February) observed no rainfall with maximum and minimum temperature varying between 24.0-26.8 and 6.9-11.9 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 84-94% and 26-50%, respectively. The wind speed mostly ranged between 1.4-3.4 kmph blowing primarily from the south, west, west-south-west, south-south-west and east direction. The upcoming 5 day forecast shows light rainfall of 5-10 mm from 20-22 February with maximum and minimum temperature varying between 23.0-25.0oC and 8-13oC. The wind speed is expected to be 8-9 kmph from west and south-west direction. There is a likely occurrence of light to moderate rainfall on 20 & 21st February at most places while very light to light rainfall is expected on 22nd February. Dry weather is likely to prevail during rest of the period. An orange and yellow alert warning has been given for occurrence of rainfall accompanied by thunderstorm, lightning/hailstorm/gusty winds with a speed of 30-40 km/h at isolated places as per predictions for 20 and 21st February, respectively.

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 and maximum-minimum temperature trend during 16 to 22 February. Rainfall has been predicted along with thunderstorm, lightning, hailstorm and gusty winds during 20-22 February thus farming operations can be scheduled accordingly.

SMS Advisory:

There is likely occurrence of rainfall accompanied with other weather aberrations during 20-22 February so the farming operations can be scheduled as per the forecast.

Crop Specific Advisory:

Crop (Varieties)	Stage	Crop Specific Advisory
Chickpea/Lentil	vegetative/flowering	Irrigation should be applied at the time of flowering and on occurrence of pod borer application of appropriate biological and chemical control should be followed. The spray should be done at 50% flowering and then two sprays at an interval of 15 days. All the applications should be scheduled as per the forecast.

Rai	Flowering/ pod formation	Irrigation should be applied at the time of pod formation. Regular monitoring of mustard for pest and disease attack should be done and recommended practices for control should be followed. All the applications should be scheduled as per the forecast.
Wheat	Vegetative	The crop should be irrigated at flowering stage while weed control should be practiced in late sown crops. Regular monitoring for disease and pest should be done and recommended practices should be followed. All the applications should be scheduled as per the forecast.
Barley	Vegetative	The crop should be irrigated at flowering stage while weed control should be practiced in late sown crops. Regular monitoring for disease and pest should be done and recommended practices should be followed. All the applications should be scheduled as per the forecast.
Fodder crops	Vegetative	The crops should be cut at appropriate time and irrigation should be applied after every cut. All the farming operations should be scheduled as per the forecast.
Sugarcane	Vegetative	To get good yield the new sugarcane crop should be cut during mid February and irrigation application along with hoeing-weeding operations should be carried out in the autumn sugarcane crop. All the farming operations should be scheduled as per the forecast.

Horticulture Specific Advisory:

Horticulture (Varieties)	Stage	Horticulture Specific Advisory
Tomato/chilli	Fruit formation/maturity	Irrigation should be applied as required. Harvest the mature fruits. All the applications should be scheduled as per the forecast.
Brinjal	Transplanting	Transplanting of brinjal seedlings should be done during this month. All the farming operations should be scheduled as per the forecast.
French bean	Sowing	Sowing can be done in this month. All the farming operations should be scheduled as per the forecast.
Potato	Maturity	Harvest mature potatoes. All the farming operations should be scheduled as per the forecast.
Lemon		Proper nutrition and irrigation should be given to the citrus plants to prevent flower drop. All the farming operations should be scheduled as per the forecast.

Live Stock Specific Advisory

Livestock	LiveStock Specific Advisory
Cow/Buffalo	Cows/buffaloes should not only consume unrefined foods like barseem, agola, etc. Always use dry foods in standard quantities with green fodder. Destroy horn-buds of calves of cow/buffaloes at the age of one week.
Sheep/goats	Treat and take good care of newborn lambs of sheep and goats.