



## Agromet Advisory Bulletin

Date: 15.12.2023

**Weather Forecast of District UDHAMSINGH-NAGAR (Uttarakhand) Issued On: 2023-12-15 (Valid Till 08:30 IST of the next 5 days)**

Parameter	16/12/2023	17/12/2023	18/12/2023	19/12/2023	20/12/2023
Rainfall(mm)	0.0	0.0	0.0	0.0	0.0
Max Temp(°C)	23.0	23.0	23.0	23.0	23.0
Min Temp(°C)	4.0	5.0	4.0	4.0	4.0
Max RHI (%)	75	75	70	70	70
Min RHII(%)	35	30	30	30	30
Wind speed (km/h)	6	6	8	9	6
Wind direction	320	320	320	320	320
Cloud cover	5	1	1	1	2

### Weather Summary/Alert:

In the last seven days (08 to 14 December) 0 mm rainfall was recorded with maximum and minimum temperatures ranging between 21.5 to 26.5°C and 4.5 to 9.1°C. During last week weather remained clear on most of the days. Morning relative humidity at 0712 hrs ranged between 91 to 94% and evening relative humidity at 1412 hrs ranged between 35 to 56%. Wind speed was 1.2 to 2.7 km per hour and wind direction was north-north-east. The upcoming 5 days forecast shows no rainfall. The maximum and minimum temperatures would range 23.0-24.0 degrees Celsius and 6.0-8.0 degrees Celsius. Winds with a speed of 3-4 kmph would mostly blow from north-west direction. Dry weather is likely to prevail in the region. The extended range forecast system indicates no rainfall between 15-21 December and predicts a large deficient trend in rainfall, normal trend in maximum temperature and normal to below normal trend in minimum temperature.

### General Advisory:

The weather forecast and agrometeorological advisory is regularly updated on the "Meghdoot" and "Damini App" is also available to get lightning information. Meghdoot and Damini apps can be downloaded from Google PlayStore (Android users) and App Center (iOS users). The NDVI composite shows moderate agricultural vigour in the region. Deep plowing of the orchards is must for destroying the mig insect, fruit fly, gujiya weevil and webber insect. Regular hoeing and weeding of the pulse crops should be done.

### SMS Advisory:

The region is expected to experience dry and cold weather so the farming practices should be followed accordingly.

### Crop Specific Advisory:

Crop (Varieties)	Stage	Crop Specific Advisory
Chickpea/Lentil	Germination/vegetative/flowering	The crop should be regularly monitored and hoeing and weeding operations should be carried out at appropriate intervals.
Rapeseed(Lahi) /Rai/Mustard	Vegetative/flowering/pod formation	In case of flowering and pod formation stage, irrigation should be applied in the late sown crop. In case of disease/pest occurrence recommended practices should be followed
Wheat	Germination/vegetative	The top dressing in timely sown crop after 3-4 days should be done during afternoon. Regular hoeing and weeding should be done at 25-30 days and 45-50 days interval. The late sowing of wheat should be completed till 25 December. Late sown wheat is affected by the sudden fall in temperature so the followed seed rate should be increased by 25%.
Barley	Vegetative	Regular monitoring of the crop should be done and hoeing and weeding operations should be performed after 25-30 days.
Sugarcane	Vegetative	Autumn sugarcane should be regularly monitored and irrigation should be applied as required. Hoeing and weeding operations should also be carried out.

### Horticulture Specific Advisory:

Horticulture (Varieties)	Stage	Horticulture Specific Advisory
Cauliflower	Vegetative	Light irrigation should be given in the cauliflower. To control the leaf spot disease in cole crops, mancozeb 75 WP should be applied 2-3 times. Hot water seed treatment should be used to control the disease.
Tomato/chilli	Vegetative/ Flowering/ Fruit formation	On the shrinkage or getting piebald of upper leaves of tomato, infected plants should be removed and destroyed. The crop should be checked for disease transferring insects and controlled accordingly.

### Live Stock Specific Advisory

Livestock	Live Stock Specific Advisory
Buffalo / Cow	During winters, the amount of extra energy giving food items should be increased by 25 percent. The tied animals should be released for exercise and should be kept under the sun.
Sheep/goats	Animals should be taken to graze grass only when the frost dries up, otherwise they are at risk of getting enterotoxemia from frosty feed. Animals should be brought to the enclosure on time to protect them from cold.