



Agromet Advisory Bulletin

Date: 19.12.2023

Weather Forecast of District UDHAMSINGH-NAGAR (Uttarakhand) Issued On: 2023-12-19 (Valid Till 08:30 IST of the next 5 days)

Parameter	20/12/2023	21/12/2023	22/12/2023	23/12/2023	24/12/2023
Rainfall(mm)	0.0	0.0	0.0	0.0	0.0
Max Temp(°C)	23.0	22.0	23.0	21.0	22.0
Min Temp(°C)	4.0	5.0	6.0	7.0	6.0
Max RHI (%)	75	75	80	80	75
Min RHII(%)	30	30	35	35	30
Wind speed (km/h)	6	4	4	6	6
Wind direction	320	320	320	320	320
Cloud cover	1	6	2	4	1

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 App" 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. The farming operations should be done keeping the forecast in mind.

SMS Advisory:

Low temperature & fog in some regions is expected to occur as per the forecast so appropriate agricultural practices should be followed.

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. The farming operations should be done keeping the forecast in mind.
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. When 75% pods attain golden colour in the September sown crop then harvest the crop. The farming operations should be done keeping the forecast in mind.
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%. The farming operations should be done keeping the forecast in mind.
Barley	Vegetative	Regular monitoring of the crop should be done and hoeing and weeding operations should be performed after 25-30 days. The farming operations should be done keeping the forecast in mind.
Sugarcane	Vegetative	Autumn sugarcane should be regularly monitored and irrigation should be applied as required. Hoeing and weeding operations should also be carried out. The farming operations should be done keeping the forecast in mind.

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. The farming operations should be done keeping the forecast in mind.
Vegetable pea	Germination/vegetative/ flowering	Along with the intercultural operations recommended chemical applications for stem fly and leaf minor should be followed. The farming operations should be done keeping the forecast in mind.
Tomato/chilli	Vegetative/ Flowering/ Fruit formation	On the shrinkage or getting piebald of upper leaves of tomato/chilli, infected plants should be removed and destroyed. The crop should be checked for disease transferring insects and controlled accordingly. The farming operations should be done keeping the forecast in mind.
Mango	Tree	To prevent the Gujjiya weevil from climbing on a tree, the stem of the tree should be covered by fine soil layer up to 40 cm height in the last week of this month. The tree trunk should be wrapped with 25 cm broad strip of 400 gauge thick polythene and tied with the help of strong rope (sutli). Along with this grease must be applied in the lower portion to avoid ascent of the weevil. The farming operations should be done keeping the forecast in mind.

Live Stock Specific Advisory

Livestock	Live Stock Specific Advisory
Cow	With the changing weather, there is a high chance of Pneumonia in new born babies of animals. So, it is advised that animal shed should be protected from cold and hot food should be given to the animals.

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).
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