



Gramin Krishi Mausam Sewa
Agromet Advisory Bulletin for UDAMSINGH-NAGAR
District
Govind Ballabh Pant University of Agriculture & Technology
 Udham Singh Nagar, Pantnagar, Uttarakhand



Agromet Advisory Bulletin

Date : 2024-12-20

Weather Forecast of District UDAMSINGH-NAGAR (Uttarakhand) Issued On : 2024-12-20 (Valid Till 08:30 IST of the next 5 days)

Parameter	2024-12-21	2024-12-22	2024-12-23	2024-12-24	2024-12-25
Rainfall(mm)	0.0	0.0	0.0	0.0	0.0
Tmax(°C)	23.0	23.0	22.0	22.0	22.0
Tmin(°C)	4.0	4.0	4.0	4.0	5.0
RH-I(%)	85	82	84	85	85
RH-II(%)	65	65	66	70	65
Wind Speed(kmph)	5	6	5	6	5
Wind Direction(Degree)	120	340	320	140	360
Cloud Cover(Octa)	0	1	1	2	1

Weather Summary/Alert:

In the last seven days (13 to 19 December) 0 mm rainfall was recorded with maximum and minimum temperatures ranging between 21.0 to 25.2°C and 3.3 to 6.3°C. During last week weather remained clear. Morning relative humidity at 0712 hrs ranged between 91 to 97% and evening relative humidity at 1412 hrs ranged between 34 to 43%. Wind speed was 0.5 to 2.0 km per hour and wind direction was west-north-west, east, south-east, west, south, east-south-east. The upcoming 5 days forecast shows no rainfall. The maximum and minimum temperatures would range 22.0-23.0 degrees Celsius and 4.0-5.0 degrees Celsius. Winds with a speed of 5-6 kmph would mostly blow from south-east-east, south-east, north-north-west, north-west and north direction. Dry weather is likely to prevail in the region.

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 Play Store (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. Irrigation should be applied in case of ground frost. The extended range forecast system indicates below normal rainfall, normal maximum temperature and below normal minimum temperature trend.

SMS Advisory:

As per IMD forecast, dry weather with cold temperatures has been predicted so irrigation should be applied as required and harvested produce should be stored well.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
CHICK PEA	The crop should be regularly monitored and hoeing and weeding operations should be carried out at appropriate intervals.

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LENTIL	The crop should be regularly monitored and hoeing and weeding operations should be carried out at appropriate intervals.
RAPESEED	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.
MUSTARD	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.
WHEAT	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	Regular monitoring of the crop should be done and hoeing and weeding operations should be performed after 25-30 days.
SUGARCANE	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 (Stage)	Horticulture Specific Advisory
CAULIFLOWER	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.
VEGETABLE PEA	Along with the intercultural operations recommended chemical applications for stem fly and leaf minor should be followed.
TOMATO	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.
CHILLI	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.
MANGO	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.

Live Stock Specific Advisory:

Live Stock	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).