



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 : 2024-12-31

Weather Forecast of District UDAMSINGH-NAGAR (Uttarakhand) Issued On : 2024-12-31 (Valid Till 08:30 IST of the next 5 days)

Parameter	2025-01-01	2025-01-02	2025-01-03	2025-01-04	2025-01-05
Rainfall(mm)	0.0	0.0	0.0	0.0	0.0
Tmax(°C)	15.0	15.0	16.0	16.0	16.0
Tmin(°C)	11.0	11.0	11.0	11.0	11.0
RH-I(%)	70	70	70	70	70
RH-II(%)	30	30	30	30	30
Wind Speed(kmph)	3	4	4	3	3
Wind Direction(Degree)	340	320	320	320	320
Cloud Cover(Octa)	1	1	2	2	1

Weather Summary/Alert:

In the last seven days (24 to 30 December) 5.6 mm rainfall was recorded with maximum and minimum temperatures ranging between 19.0 to 25.0°C and 6.5 to 13.5°C. During last week weather remained cloudy on few days. Morning relative humidity at 0712 hrs ranged between 73 to 95% and evening relative humidity at 1412 hrs ranged between 38 to 84%. Wind speed was 0.8 to 7.4 km per hour and wind direction was north, west, west-south-west and north-west. The upcoming 5 days forecast shows no rainfall. The maximum and minimum temperatures would be 15.0 to 16.0 degrees Celsius and 11.0 degrees Celsius. Winds with a speed of 3-4 kmph would mostly blow from north-west and north-north-west direction. Dry weather likely to prevail from 31 December to 04 January. A yellow warning has been given regarding moderate to dense fog is likely to occur at few places on 31 December.

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. The extended range forecast system indicates large excess rainfall and normal maximum-minimum temperature trend.

SMS Advisory:

As per IMD forecast, dry weather with cold and foggy conditions has been predicted so farming operations should be scheduled accordingly.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
CHICK PEA	At the time of flowering and pod formation, irrigation is required which should be scheduled as per the forecast.
LENTIL	At the time of flowering and pod formation, irrigation is required which should be scheduled as per the forecast.

Crop (Stage)	Crop Specific Advisory
RAPESEED	In case of flowering and pod formation stage, irrigation should be applied in the late sown crop. To control the aphid pest, apply Dimethoate 30 EC @500 ml when the pest is found above the economic threshold level (26-28 aphids per 10 cm upper branch of the stem on 10-15 plants) or Thiamethoxam 25 WG @100 g mixed in 600-700 liters of water per hectare should be sprayed at an interval of 10 days. When 75% pods attain golden colour in the September sown crop then harvest the crop. All farming operations should be scheduled as per the forecast.
MUSTARD	In case of flowering and pod formation stage, irrigation should be applied in the late sown crop. To control the aphid pest, apply Dimethoate 30 EC @500 ml when the pest is found above the economic threshold level (26-28 aphids per 10 cm upper branch of the stem on 10-15 plants) or Thiamethoxam 25 WG @100 g mixed in 600-700 liters of water per hectare should be sprayed at an interval of 10 days. When 75% pods attain golden colour in the September sown crop then harvest the crop. All farming operations should be scheduled as per the forecast.
WHEAT	Late sowing of wheat reduces the yield due to heat stress condition experienced during the ripening stage. Irrigation should be applied as required. Farming operations should be scheduled as per the forecast.
BARLEY	Regular monitoring with weeding and hoeing operations should be carried out in the crop. Irrigation should be applied as required. Farming operations should be scheduled as per the forecast.
SUGARCANE	Regular monitoring of the crop and irrigation application under frost condition is required. Farming operations should be scheduled as per the forecast.

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. Farming operations should be scheduled as per the forecast.
ONION	Transplanting of onion should be completed till 15 January. Line to line and plant to plant distance should be 15 and 10 cm, respectively. Farming operations should be scheduled as per the forecast.
VEGETABLE PEA	Along with the intercultural operations recommended chemical applications for stem fly and leaf minor should be followed. Farming operations should be scheduled as per the forecast.
TOMATO	The crop should be checked for disease transferring insects and controlled accordingly. Farming operations should be scheduled as per the forecast.
CHILLI	The crop should be checked for disease transferring insects and controlled accordingly. Farming operations should be scheduled as per the forecast.
POTATO	To control the late blight disease in potato, it is advised that solution of Mancozeb@ 2.5g/liter of water should be sprayed. Farming operations should be scheduled as per the forecast.
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. Farming operations should be scheduled as per the forecast.

Live Stock Specific Advisory:

Live Stock	Live Stock Specific Advisory
COW	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).

Live Stock	Live Stock Specific Advisory
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).