



Gramin Krishi Mausam Sewa
District Level Agromet Advisory Bulletin
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 Udham Singh Nagar, Pantnagar, Uttarakhand



Agromet Advisory Bulletin

Date : 16-02-2024

Weather Forecast of District UDAMSINGH-NAGAR(Uttarakhand) Issued On : 2024-02-16(Valid Till 08:30 IST of the next 5 days)

Parameter	2024-02-17	2024-02-18	2024-02-19	2024-02-20	2024-02-21
Rainfall(mm)	0.0	0.0	0.0	20.0	10.0
Tmax(°C)	26.0	27.0	28.0	26.0	25.0
Tmin(°C)	9.0	10.0	10.0	8.0	6.0
RH-I(%)	75	75	75	85	85
RH-II(%)	35	35	35	45	45
Wind Speed(kmph)	1	1	2	1	1
Wind Direction(Degree)	320	320	180	140	90
Cloud Cover(Octa)	0	0	0	8	7

Weather Summary/Alert:

Last seven days (9 to 15 February) observed no rainfall with maximum and minimum temperature varying between 20.4-26.8 and 4.2-10.1 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 90-94% and 26-49%, respectively. The wind speed mostly ranged between 1.2-5.7 kmph blowing primarily from the south, west, south-east, west-south-west and south-south-west direction. The upcoming 5 day forecast shows light to moderate rainfall of 10-20 mm on 19 & 20 February with maximum and minimum temperature varying between 25.0-28.0oC and 6-10oC. The wind speed is expected to be 1-11 kmph from south, north-west, south-east and east direction. There are likely occurrence of light to moderate rainfall accompanied by thunderstorm with lightening/hailstorm at most places. An orange alert regarding the same has been given for 19 and 20 February, 2024. Dry weather is expected to prevail during remaining days.

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. An orange alert regarding occurrence of light to moderate rainfall accompanied by thunderstorm, lightning/hailstorm has been predicted so the farming operations should be scheduled accordingly.

SMS Advisory:

There is a likely occurrence of light to moderate rainfall accompanied by thunderstorm, lightning/hailstorm on 19 & 20 February so irrigation and chemical application can be scheduled accordingly.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
CHICK PEA (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 farming operations should be scheduled as per the forecast.
LENTIL (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 farming operations should be scheduled as per the forecast.
MUSTARD (Flowering)	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 farming operations 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 farming operations 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 farming operations should be scheduled as per the forecast.
BARSEEM (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 (Stage)	Horticulture Specific Advisory
TOMATO (Physiological Maturity)	Irrigation should be applied as required. Harvest the mature fruits. All the farming operations should be scheduled as per the forecast.
CHILLI (Fruit formation)	Irrigation should be applied as required. Harvest the mature fruits. All the farming operations 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 (Physiological 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:

Live Stock	Live Stock Specific Advisory
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.
GOAT	Treat and take good care of newborn lambs of sheep and goats.