



Agromet Advisory Bulletin

Date: 29.12.2023

Weather Forecast of District UDHAMSINGH-NAGAR (Uttarakhand) Issued On: 2023-12-29 (Valid Till 08:30 IST of the next 5 days)

Parameter	30/12/2023	31/12/2023	01/01/2024	02/01/2024	03/01/2024
Rainfall(mm)	0.0	0.0	0.0	0.0	0.0
Max Temp(°C)	21.0	22.0	22.0	22.0	22.0
Min Temp(°C)	8.0	7.0	6.0	4.0	4.0
Max RHI (%)	75	75	75	70	70
Min RHII(%)	35	35	30	30	30
Wind speed (km/h)	4	6	6	6	6
Wind direction	320	320	320	320	320
Cloud cover	1	5	1	1	1

Weather Summary/Alert:

In the last seven days (22 to 28 December) 0 mm rainfall was recorded with maximum and minimum temperatures ranging between 24.0 to 25.5°C and 6.2 to 8.0°C. During last week weather remained clear on most of the days except medium fog observed on 28th December in the region. Morning relative humidity at 0712 hrs ranged between 89 to 95% and evening relative humidity at 1412 hrs ranged between 37 to 50%. Wind speed was 0.9 to 1.9 km per hour and wind direction was north-east and north-north-east. The upcoming 5 days forecast shows no rainfall but partial cloudy conditions. The maximum and minimum temperatures would range 25.0-26.0 degrees Celsius and 6.0-8.0 degrees Celsius. Winds with a speed of 1-2 kmph would mostly blow from south-east and north-west direction. Dry weather is likely to prevail during the period with dense to very dense fog occurrence in isolated places of Udham Singh Nagar on 29th and 30th December, 2023. An orange alert regarding dense to very dense fog occurrence and yellow watch regarding dense fog occurrence in isolated places of Uttarakhand has been indicated for 29 & 30 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 farming operations should be done keeping the forecast in mind. The extended range forecast system indicates deficient rainfall trend from 29 December to 04 January and predicts above normal and normal trend in maximum and minimum temperature, respectively. Irrigation should be given in the new orchards to save the crop from frost damage. The new saplings/seedlings should be protected from frost injury. Regular weeding and hoeing operations should be carried out.

SMS Advisory:

Weather is expected to remain dry with dense fog conditions so all the agricultural conditions should be scheduled accordingly.

Crop Specific Advisory:

Crop(Varieties)	Stage	Crop Specific Advisory
Chickpea/Lentil	vegetative/flowering	At the time of flowering and pod formation irrigation should be applied as required
Rapeseed(Lahi) /Rai/Mustard	flowering/pod formation	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.
Wheat	Germination/vegetative	Late sowing of wheat reduces the yield due to heat stress condition experienced during the ripening stage. Irrigation should be applied as required.
Barley	Vegetative	Regular monitoring with weeding and hoeing operations should be carried out in the crop. Irrigation should be applied as required.
Sugarcane	Vegetative	Regular monitoring of the crop and irrigation application under frost condition is required.

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.
Onion	Transplanting	Transplanting of onion should be completed till 15 January. Line to line and plant to plant distance should be 15 and 10 cm, respectively.
Vegetable pea	Germination/vegetative/ flowering	Along with the intercultural operations recommended chemical applications for stem fly and leaf minor should be followed.
Tomato/chilli	Flowering/ Fruit formation	The crop should be checked for disease transferring insects and controlled accordingly.
Potato	Vegetative	To control the late blight disease in potato, it is advised that solution of Mancozeb@ 2.5g/liter of water should be sprayed.
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.

Live Stock Specific Advisory

Livestock	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).
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).