



Agromet Advisory Bulletin

Date: 02.01.2024

Weather Forecast of District UDHAMSINGH-NAGAR (Uttarakhand) Issued On: 2024-01-02 (Valid Till 08:30 IST of the next 5 days)

Parameter	03/01/2024	04/01/2024	05/01/2024	06/01/2024	07/01/2024
Rainfall(mm)	0.0	0.0	0.0	0.0	0.0
Max Temp(°C)	18.0	19.0	20.0	20.0	20.0
Min Temp(°C)	5.0	6.0	6.0	5.0	5.0
Max RHI (%)	70	75	70	70	70
Min RHI(%)	30	35	30	30	30
Wind speed (km/h)	1	2	1	1	1
Wind direction	320	320	320	320	320
Cloud cover	0	1	0	0	0

Weather Summary/Alert:

Last seven days (26 December to 1 January) observed 0 mm rainfall with maximum and minimum temperature varying between 14.0-25.0 and 6.9-10.9°C, respectively. The weather was observed to be foggy with partial cloudy conditions in the region. The morning and evening relative humidity varied between 88-95% and 38-88%, respectively. The wind speed mostly ranged between 1.4-3.3 kmph blowing primarily from the western direction. The upcoming 5 day forecast shows no rainfall with maximum and minimum temperature varying between 18.0-20.0°C and 5-6°C. Dry weather likely to prevail during the period. The wind speed is expected to vary between 1-2 kmph from north-west direction. An orange alert regarding occurrence of dense to very dense fog on 02nd January 2024 and a yellow watch regarding occurrence of dense fog on 03rd & 04th January, 2024 is likely to occur at isolated places in Udham Singh Nagar.

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 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 monitoring of crops for disease occurrence along with weeding and hoeing operations should be carried out.

SMS Advisory:

Dry weather is expected to remain in the region and alert regarding occurrence of dense fog has been given for 2, 3 & 4 January so farmers are advised to apply irrigation as required.

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. Regular hoeing-weeding should be done in the crops and irrigation should be applied as required. In chickpea/lentil, in case of aphid attack recommended practices should be followed.
Rapeseed(Lahi) /Rai/Mustard	flowering/pod formation	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. The crop should be harvested if mature and irrigation should be applied at flowering/pod formation stage.
Wheat	Vegetative	In case of weed emergence in late sown crop either manual weeding and hoeing should be followed or chemical application as per recommendation. For broad leaved weeds 2,4-D @500g or metsulfuron methyl @4g should be applied at 30-35 or 35-40 DAS while for narrow leaved weeds Isoproturon @1kg/ Sulfosulfuron @25g/ Clodinafop @60g can be sprayed at an interval of 30-35 DAS. Irrigation should be applied as required.
Barley	Vegetative	The late sown crop should be monitored and weeding-hoeing should be carried out at an interval of 25-30 days. Irrigation should be applied as required.
Sugarcane	Vegetative	Ratoon and autumn sugarcane should be monitored and appropriate farming operations should be followed.

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	The transplanting of onion crop should be completed in manured fields till first week of January.
Vegetable pea	vegetative/ flowering	At the time of flowering and pod formation irrigation should be applied as required. Regular hoeing-weeding should be done in the crops and irrigation should be applied as required.
Tomato/chilli	Flowering/ Fruit formation	The crops should be regularly checked for disease transferring insects and controlled with the recommended practices.
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 Gujiya 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).The animal feed should be increased by 10% for extra energy requirement.

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). The animal feed should be increased by 10% for extra energy requirement.
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