



GraminKrishiMausamSewa
District Level Agromet Advisory Bulletin
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 Udham Singh Nagar, Pantnagar, Uttarakhand



Agromet Advisory Bulletin

Date: 05.01.2024

Weather Forecast of District UDHAMSINGH-NAGAR (Uttarakhand) Issued On: 2024-01-05 (Valid Till 08:30 IST of the next 5 days)

Parameter	06/01/2024	07/01/2024	08/01/2024	09/01/2024	10/01/2024
Rainfall(mm)	0.0	0.0	0.0	0.0	5.0
Max Temp(°C)	20.0	20.0	21.0	21.0	20.0
Min Temp(°C)	8.0	8.0	9.0	9.0	9.0
Max RHI (%)	70	70	70	85	85
Min RHII(%)	30	30	30	45	45
Wind speed (km/h)	1	1	1	2	2
Wind direction	50	140	320	320	320
Cloud cover	0	0	0	1	6

Weather Summary/Alert:

Last seven days (29 December to 4 January) observed 0 mm rainfall with maximum and minimum temperature varying between 14.0-20.0 and 5.3-10.8°C, respectively. The weather was observed to be foggy on most of the days. The morning and evening relative humidity varied between 88-100% and 56-88%, respectively. The wind speed mostly ranged between 0.9-1.9 kmph blowing primarily from the South-west, North-west and east-south-east direction. The upcoming 5 day forecast shows light rainfall of 5mm on 9th January, 2024 with maximum and minimum temperature varying between 20.0-21.0°C and 8-9°C. Dry weather is likely to prevail during most of the days. The wind speed is expected to vary between 1-2 kmph from north-west, south-east & north-west direction. An orange alert has been issued for 5th January and yellow watch for 6th January regarding likely occurrence of dense fog at few places in Udham Singh Nagar district. Dry weather on other days with light rainfall on 9 January has been predicted for the region so farming operations should be planned accordingly.

General Advisory:

A regular update regarding weather forecast and agrometeorological advisory is available 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 to good agricultural vigour in the region. The extended range forecast system indicates large deficient rainfall trend from 05-11 January and predicts above normal trend in maximum and minimum temperature. 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 on remaining days with light rainfall on 9th January and dense fog alert on 5 & 6 January has been predicted for the region so farming practices 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. 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
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.

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.