



Agromet Advisory Bulletin

Date: 10.05.2024

Weather Forecast of District UDHAMSINGH-NAGAR (Uttarakhand) Issued On: 2024-05-07 (Valid Till 08:30 IST of the next 5 days)

Parameter	11/05/2024	12/05/2024	13/05/2024	14/05/2024	15/05/2024
Rainfall(mm)	3.0	3.0	3.0	0.0	0.0
Max Temp(°C)	36.0	36.0	36.0	37.0	37.0
Min Temp(°C)	24.0	22.0	22.0	20.0	20.0
Max RH I (%)	75	75	70	70	70
Min RH II (%)	30	30	30	30	30
Wind speed (km/h)	10	11	12	11	8
Wind direction	130	130	130	130	130
Cloud cover	5	2	2	2	2

Weather Summary/Alert:

Last week (3 to 9 May) no rainfall was recorded and the maximum-minimum temperature varied between 34.0 to 39.5 and 14.0 to 23.1, respectively. The morning and evening relative humidity ranged between 42-75% and 15-38%, respectively while the wind blew from west, west-south-west and east-south-east at a speed varying between 3.6-12.8 kmph. Weather was clear on most of the days last week with light clouds on few days. Strong winds were observed during last week. The upcoming forecast shows very light rainfall of 3 mm from 10-12 May and maximum-minimum temperature are expected to vary between 36.0-37.0°C and 20.0-24.0°C, respectively. The wind is expected to blow from south-east direction at a speed of 8-12 kmph. Light rainfall is likely to occur at few places on 10th, 11 & 12th May while dry weather is expected to prevail during rest of the period. A yellow warning regarding occurrence of thunderstorm accompanied with lightning /Hailstorm/ gusty wind is likely to occur at isolated places on 10th to 13th May, 2024.

General Advisory:

Farmers can download the "Meghdoot" and "Damini" app available for regular update of meteorological and lightning data, respectively from Google Play Store (Android users) and App Centre (iOS users). The NDVI shows moderate agricultural vigour in the region. The extended range forecast shows deficient rainfall and below normal maximum and normal minimum temperature trend during 10.05.2024 to 16.05.2024. Deep ploughing of the fields should be done after harvesting of rabi crops so that insect eggs and weeds are destroyed. Rain and strong winds are expected so the dried produce should be threshed and stored well. Any pesticide/fertilizer or irrigation application should be scheduled as per the forecast.

SMS Advisory:

As per the IMD forecast, gusty winds and light rainfall has been predicted for 10-13 May thus farming operations should be scheduled accordingly.

Crop Specific Advisory:

Crop (Varieties)	Stage	Crop Specific Advisory
Black Gram	Harvesting	The late sown crop should be harvested soon and all the farming operations should be done keeping the forecast in mind.
Sunflower	Flowering/Seed formation	The crop should be regularly irrigated as per requirement at flowering/seed formation and regular weeding-hoeing should be done. Proper measures should be taken to protect the heads from birds and parrots. All the farming operations should be done keeping the forecast in mind.
Urd/Moong	Vegetative	The crop should be irrigated as and when required and farming operations should be scheduled as per the forecast.
Daincha	Sowing	Green manuring should be done after harvesting wheat and other crops which can be done by sowing dhaincha @50-60 kg/ha and sunai @80-90 kg/ha as per the soil. Farming operations should be scheduled as per the forecast.
Sugarcane	Vegetative	Regular irrigation application along with hoeing-weeding should be done and after irrigation top-dressing of urea should be done. The farming operations should be scheduled keeping the forecast in mind.
Fodder sorghum	Sowing	Sowing of fodder sorghum can be done and irrigation should be applied after sowing. All the farming operations should be scheduled keeping the forecast in mind.

Horticulture Specific Advisory:

Horticulture (Varieties)	Stage	Horticulture Specific Advisory
Ginger	Sowing	After pre-sowing irrigation ginger sowing can be done. Farming operations should be scheduled as per the forecast.
Cowpea	Sowing/Germination	To control the root and stem rot diseases in cowpea (lobia), make a solution of carbendazim @ 1g/lit of water and irrigate the roots. All farming operations should be done keeping the forecast in mind.
Pumpkin	Vegetative/fruitletting	On the occurrence of leaf spot disease in cucurbitaceous (pumpkin class vegetables) crop, solution of mancozeb @ 2.5 g/lit of water should be sprayed. All the farming operations should be scheduled as per the forecast.
Brinjal	Vegetative	Light irrigation, weeding and hoeing should be done in the crop. All farming operations should be scheduled as per the forecast.
Ladyfinger	Vegetative	If the veins of leaves of okra crop are turning yellow, then destroy the plants and Sarvangiinsecticide should be sprayed to control the juice sucking insects. All the farming operations should be scheduled as per the forecast.
Mango	Fruit formation	In case of mealy bug appropriate mechanical or chemical measures should be taken. A 400 gauge polythene around the trunk would be efficient to avoid the ascent of nymphs. Chemical means like 0.05 percent Monocrotophos or 0.2 percent Carbaryl, or 0.05 percent Methyl Parathion spray has been found useful in controlling the mealy bug's early instar nymphs. On the occurrence of mango hopper after fruit setting, Imidacloprid @ 3 ml/10 liter should be sprayed in the mango orchard. All the measures should be taken as per the forecast.

LiveStock Specific Advisory

Livestock	LiveStock Specific Advisory
Cow/Buffalo	The animals should be kept in well ventilated places and should be continuously supplied with sufficient water. Proper fans and coolers should be arranged and the animals should be regularly washed with cold water to keep them calm. Animals of two months of age should be given an anthelmintic medicine called Piperazine and animals of two to four months of age should be vaccinated against lameness and fever.

Others (Soil/Land Preparation)

Others (Soil/Land Preparation)	Others (Soil/Land Preparation) Specific Advisory
General Advice	After harvesting the rabi crops, the fields should be cleaned well, ploughed deep to expose the harmful insects, their stages and harmful weeds for destruction.