



## **Agromet Advisory Bulletin**

**Date: 17.05.2024**

**Weather Forecast of District UDHAMSINGH-NAGAR (Uttarakhand) Issued On: 2024-05-17 (Valid Till 08:30 IST of the next 5 days)**

Parameter	18/05/2024	19/05/2024	20/05/2024	21/05/2024	22/05/2024
Rainfall(mm)	0.0	0.0	0.0	0.0	0.0
Max Temp(°C)	39.0	40.0	40.0	40.0	39.0
Min Temp(°C)	22.0	22.0	22.0	22.0	22.0
Max RH I (%)	65	65	65	65	70
Min RH II (%)	30	30	30	30	30
Wind speed (km/h)	10	10	12	14	14
Wind direction	270	270	270	310	110
Cloud cover	1	2	1	1	2

### **Weather Summary/Alert:**

Last week (10 to 16 May) 0.8 mm rainfall was recorded and the maximum-minimum temperature varied between 31.5 to 40.5 and 20.4 to 25.1, respectively. The morning and evening relative humidity ranged between 54-78% and 33-52%, respectively while the wind blew from east-south-east, south-east, south-west, west and west-south-west at a speed varying between 4.3-8.2 kmph. Weather was clear on most of the days last week with light clouds on few days during morning and evening hours. The upcoming forecast shows no rainfall and maximum-minimum temperature are expected to vary between 39.0-40.0°C and 22.0, respectively. The wind is expected to blow from north-west, west and east-south-east direction at a speed of 10-14 kmph. Dry weather is likely to prevail during the period. A yellow warning regarding heat wave condition at few places has been issued for 17 May.

### **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 large deficient rainfall and normal maximum-minimum temperature trend during 17.05.2024 to 23.05.2024. Dry weather and heat wave condition has been predicted so frequent irrigation should be applied as and when required by the crops.

### **SMS Advisory:**

As per the IMD prediction, heat wave condition is expected to prevail in the region so frequent irrigation should be applied to the crops and unnecessary sun exposure should be avoided.

### Crop Specific Advisory:

Crop (Varieties)	Stage	Crop Specific Advisory
Sunflower	Flowering/Seed formation	The crop should be regularly irrigated as per requirement at flowering/seed formation. The mature heads should be protected from birds and parrots. Spraying of quinalphos 25 EC @ 2 ml/l, or chlorpyriphos 20 EC @ 2.5 ml/l is recommended when the bihar hairy caterpillars are younger.
Urd/Moong	Vegetative	The crop should be irrigated as and when required and regular weeding-hoeing should be done.
Daincha	Sowing	Irrigation application should be done in the freshly sown crop.
Sugarcane	Vegetative	Regular irrigation application along with hoeing-weeding should be done and after irrigation top-dressing of urea should be done. Recommended pesticide should be used against the black bug attack.
Fodder sorghum	Vegetative	Irrigation should be applied as per the crop requirement.

### Horticulture Specific Advisory:

Horticulture (Varieties)	Stage	Horticulture Specific Advisory
Ginger	Physiological maturity	Irrigation should be stopped in the mature garlic crop and harvesting of bulbs should be done and dried in shade.
Cowpea	Vegetative	Apply irrigation as and when required.
Pumpkin	Vegetative/fruiting	In case of leaves giving a mottled appearance, the plants should be separated and sarvangi should be used for sucking pests.
Ladyfinger	Vegetative/fruiting	If the veins of leaves of okra crop are turning yellow, then destroy the plants and Sarvangi insecticide should be sprayed to control the juice sucking insects. All the farming operations should be scheduled as per the forecast.
Tomato	Vegetative/fruiting	To control of viral diseases in tomato crop, remove and destroy the infected plants (when shrunken speckled leaves are visible), To control the juice sucking insect in these crops, sarvangi insecticide should be sprayed. To save the crop from blight disease, it is advised that solution of Mancozeb @ 2.5g/liter or copper oxichloride @ 3g/lit of water should be sprayed.
Chilli	Vegetative/fruiting	To control of viral diseases in chilli crop, infected plants (contracted piebald leaves) should be removed and destroyed. To control the juice sucking insect in these crops, sarvangi insecticide should be sprayed. To save the crop from blight disease, it is advised that solution of Mancozeb @ 2.5g/liter or copper oxichloride @ 3g/lit of water should be sprayed.

### LiveStock Specific Advisory

Livestock	LiveStock Specific Advisory
Cow	Temperature of animal shed should be maintained using cooling devices such as fan, cooler or latest cooling device to maintain the productivity of foreign cows and save them from diseases. Foreign cows are unable to tolerate excessive heat, due to which their ability to consume food decreases which affect their production. Therefore, to maintain the production of foreign cows and to prevent diseases, temperature of animal shed should be maintained using cooling equipment like fan, cooler or latest cooling devices.

Buffalo	In the summer season, time to time spraying of melathiyam or other insecticide should be done in the drains near the animal shed. Due attention should be given to arrangements for provision of water to animals. The drinking troughs should be kept clean and animals should be provided water at least four times during the day. If symptoms of mastitis are seen in dairy cattle, treat it immediately
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**Others (Soil/Land Preparation)**

<b>Others (Soil/Land Preparation)</b>	<b>Others (Soil/Land Preparation) Specific Advisory</b>
General Advice	Soil sample should be taken from 10-15 different places in this month from fallow field after harvesting of rabi crops. Soil sample should be taken up to the depth of 20cm