



Gramin Krishi Mausam Sewa
Agromet Advisory Bulletin for UDAMSINGH-NAGAR
District
Govind Ballabh Pant University of Agriculture & Technology
 Udham Singh Nagar, Pantnagar, Uttarakhand



Agromet Advisory Bulletin

Date : 2026-05-22

Weather Forecast of District UDAMSINGH-NAGAR (Uttarakhand) Issued On : 2026-05-22 (Valid Till 08:30 IST of the next 5 days)

Parameter	2026-05-23	2026-05-24	2026-05-25	2026-05-26	2026-05-27
Rainfall(mm)	0.0	0.0	0.0	0.0	0.0
Tmax(°C)	40.0	40.0	41.0	41.0	41.2
Tmin(°C)	24.0	25.0	24.0	24.0	25.0
RH-I(%)	37	31	29	39	35
RH-II(%)	11	7	7	7	8
Wind Speed(kmph)	6	5	6	6	7
Wind Direction(Degree)	32	24	23	23	14
Cloud Cover(Octa)	0	1	1	0	0
Warning	No Warning	No Warning	No Warning	No Warning	No Warning

Forecast Summary:

Last week (15 to 21 May) no rainfall was recorded and the maximum-minimum temperature varied between 34.2 to 41.0 and 20.4 to 25.8 degree celsius, respectively. The morning and evening relative humidity ranged between 45-74% and 27-48%, respectively while the wind blew from east-south-east, west, north-west and south-east with a speed of 4.2 to 6.1 kmph. Weather was extremely hot last week. The upcoming forecast shows that the weather is expected to remain predominantly hot and dry. No rainfall is expected in the upcoming week and no warning has been issued. Maximum temperature may vary between 40°C to 41°C, whereas minimum temperature will remain between 24.0°C and 25.0°C. Wind speed is likely to remain between 5-7 kmph in north-east, north-north-east and north-east-north direction. No weather warning has been issued and weather is expected to remain hot and dry.

Weather Warnings (Valid Till 08:30 IST of the next day)

No warning but temperatures would remain higher so it may cause rapid soil moisture loss and harm to livestock.

Likely impacts of weather warnings on Agriculture and associated Agromet advisories

Mulching practice should be done to maintain the soil moisture and livestock should be provided with appropriate heat relieving devices and facilities.

General Advisory:

The weather forecast is regularly updated on "Mausam App" and weather associated agrometeorological advisory is regularly updated on "Meghdoot App". "Daminin App" is available to get lightning information. Mausam, Meghdoot and Damini apps can be downloaded from Google Play Store (Android Users) and App Center (iOS Users). The extended range forecast from 22 to 28 May indicate large deficient rainfall, above normal maximum and minimum temperature.

SMS Advisory:

As per IMD, no warning has been issued and temperature is expected to remain above normal so irrigation should be applied to the crops and proper water conservation measures should be used.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
SUNFLOWER (Flowering)	Apply irrigation to maintain moisture. Mature heads should be protected from the attack of birds and parrots. Fully mature heads should be harvested.
DAINCHA (Seedling Growth)	After wheat harvesting, green manuring crops like daincha should be sown and irrigation should be applied to maintain moisture
SUGARCANE (Vegetative)	Irrigate the crop at an interval of 5-6 days and use mulching techniques to conserve soil moisture. To avoid soil moisture losses apply irrigation during morning or evening hours. Earthing up operation can be done to conserve moisture and all the weeding-hoeing and other farming operations should be done during morning hours. Postpone application of urea under dry weather conditions.
MAIZE (Tasseling)	High temperatures can cause pollen sterility and poor grain set. Apply foliar spray of 1% KNO ₃ or provide 1-2 extra irrigations during tasseling to reduce heat stress impact.
WHEAT (Rhizome and Maturity)	The wheat residue management should be done by incorporating the crop residue or using it as a mulch.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
MANGO	Irrigate mango orchards every 6-7 days. Spray 1% kaolin clay or whitewash tree trunks to reflect heat from bark. Harvest mature fruits in early morning to reduce post-harvest heat damage. Do not leave harvested fruits in direct sun; move to shade or cool storage immediately.
CUCUMBER (Vegetative)	Irrigate cucumber, pumpkin, and bitter gourd daily or alternate days. Apply mulch around plants to conserve soil moisture. Mottled leaves if observed in the plant, plant should be separated from others. The chemical spray can be scheduled if required.
OKRA/ LADYFINGER (Vegetative)	Destroy the plants with yellow veins and control the sucking pest using Cyantraniliprole 10.26 % OD. Moisture should be maintained in the crop so regular irrigation should be applied. Mulch may be used to conserve moisture.
TOMATO (Flowering)	The polyhouse tomato should be frequently irrigated to maintain the soil moisture and temperatures.
LITCHI	Apply drip/basin irrigation every 4-5 days to prevent fruit drop due to moisture stress. Avoid excessive nitrogen. Spray 0.5% borax to reduce fruit cracking caused by irregular moisture. Monitor for litchi mite (Aceria litchii) — hot dry conditions favour mite buildup.

Live Stock Specific Advisory:

Live Stock	Live Stock Specific Advisory
COW	Increase to 4-5 water troughs per 20 animals. Change water at least 3 times daily to prevent bacterial growth in warm water. All cows and buffaloes must be housed in well-ventilated shaded sheds. Open south and west-facing sides of sheds for cross-ventilation. Use gunny bags or wet cloth screens on windows to cool incoming air. Install sprinkler/fogger systems or manually sprinkle cold water on animals during peak afternoon hours to reduce body temperature. Shift 60-70% of feed to evening/night and supplement it with electrolyte mixture daily. Restrict grazing to early morning and late evening. Maintain body condition score by slightly increasing concentrate feed (250-500g extra/day). Cooler housing directly prevents milk loss.
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

Live Stock	Live Stock Specific Advisory
	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

Others (Soil / Land Preparation) Specific Advisory:

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GENERAL ADVICE	Farmers can go for deep summer ploughing of fallow fields and use solar radiation to disinfect soil and kill overwintering pests and weeds.

Likely impacts of weather warnings (General)

No warning but temperatures are expected to remain above normal so it can cause harm to flowering/fruited crops and livestock/ humans as well.

Impact based advisories (General)

Avoid fieldwork during afternoon hours and frequent irrigation should be provided to the crops to maintain temperatures. Apply mulch to regulate soil temperature and conserve moisture.

Farmers are advised to download Unified “Mausam” and "Meghdoot" android application on mobile for Weather forecast and weather based Agromet Advisories and "Damini" android application for forecast of Thunderstorm and lightning.

Mausam MobileApp link: <https://play.google.com/store/apps/details/>

Meghdoot MobileApp link: <https://play.google.com/store/apps/details>

Damini MobileApp link : <https://play.google.com/store/apps/details>