



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 : 2025-05-09

Weather Forecast of District UDAMSINGH-NAGAR (Uttarakhand) Issued On : 2025-05-09 (Valid Till 08:30 IST of the next 5 days)

| Parameter | 2025-05-10 | 2025-05-11 | 2025-05-12 | 2025-05-13 | 2025-05-14 |
|------------------------|---|---|---------------------------------------|------------|------------|
| Rainfall(mm) | 2.0 | 3.0 | 1.0 | 0.0 | 0.0 |
| Tmax(°C) | 36.0 | 37.8 | 37.9 | 38.1 | 38.8 |
| Tmin(°C) | 23.0 | 23.0 | 22.0 | 22.0 | 22.3 |
| RH-I(%) | 80 | 80 | 75 | 60 | 60 |
| RH-II(%) | 65 | 60 | 50 | 45 | 40 |
| Wind Speed(kmph) | 7 | 6 | 6 | 5 | 7 |
| Wind Direction(Degree) | 14 | 5 | 14 | 32 | 32 |
| Cloud Cover(Octa) | 5 | 5 | 4 | 3 | 1 |
| Warning | Thunderstorms & Lightning, Squall etc; Strong Surface Winds | Thunderstorms & Lightning, Squall etc; Strong Surface Winds | Thunderstorms & Lightning, Squall etc | No Warning | No Warning |

Forecast Summary:

Last week (2 to 8 May) 45.6 mm of rainfall was recorded and the maximum-minimum temperature varied between 36.0 to 38.8 and 22.0 to 23.0, respectively. The morning and evening relative humidity ranged between 49-96% and 28-75%, respectively while the wind blew from east, south, west, east-south-east, south-east and south-south-east at a speed varying between 1.4-8.2 kmph. Weather was cloudy on most of the days last week. The upcoming forecast shows very light rainfall of 1-3 mm from 9-11 May and maximum-minimum temperature are expected to vary between 36.0-38.8°C and 22.0-23.0°C, respectively. The wind is expected to blow from south-east, north-east and south-west direction at a speed of 1-5 kmph. A yellow warning has been issued regarding occurrence of thunderstorm accompanied with lightening/ Gusty winds on 9 May and similar conditions are expected on 10 and 11 May.

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

Yellow warning has been issued for thunderstorm, lightning, squalls, strong surface winds.

Likely impacts of weather warnings on Agriculture and associated Agromet advisories

Spoilage of harvested produce and impact on seed germination. Harvested produce should be stored in a well ventilated place and sowing should be delayed.

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 extended range forecast shows normal rainfall and normal maximum and below normal minimum temperature trend during 09.05.2025 to 15.05.2025.

SMS Advisory:

As per IMD forecast, the harvested produce should be stored in a covered place and sowing should be scheduled on dry days.

Crop Specific Advisory:

| Crop (Stage) | Crop Specific Advisory |
|-----------------------------|---|
| CHICK PEA (Harvesting) | The late sown crop should be harvested soon and the harvested produce should be kept in a covered and well ventilated area. |
| SUNFLOWER (Flowering) | 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. The farming operations should be scheduled on dry days. |
| GREEN GRAM (Vegetative) | The crop should be irrigated as and when required. The sowing operation and other operations can be scheduled on dry days. |
| BLACK GRAM (Vegetative) | The crop should be irrigated as and when required. The sowing operation and other operations can be scheduled on dry days. |
| 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. The farming operations should be scheduled on dry days. |
| 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 on dry days. |
| FODDER SORGHUM (Sowing) | Sowing of fodder sorghum can be done and irrigation should be applied after sowing. Sowing operations should be scheduled during dry days. |

Horticulture Specific Advisory:

| Horticulture (Stage) | Horticulture Specific Advisory |
|-----------------------------------|---|
| GINGER (Sowing) | After pre-sowing irrigation ginger sowing can be done. Sowing operations should be scheduled during dry days. |
| COWPEA/ LOBIA (Vegetative) | To control the root and stem rot diseases in cowpea (lobia), make a solution of carbendazim @ 1g/lit of water and irrigate the roots. The chemical application should be scheduled for dry days. |
| PUMPKIN (Flowering) | 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. The chemical application should be scheduled for dry days. |
| BRINJAL (Vegetative) | Light irrigation, weeding and hoeing should be done in the crop as required. |
| OKRA/ LADYFINGER (Vegetative) | 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. The chemical application should be scheduled for dry days. |
| MANGO | 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. |

Live Stock Specific Advisory:

| Live Stock | Live Stock Specific Advisory |
|------------|--|
| 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 |

| Live Stock | Live Stock Specific Advisory |
|------------|--|
| | anthelmintic medicine called Piperazine and animals of two to four months of age should be vaccinated against lameness and fever. |
| COW | 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) Specific Advisory:

| 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. 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. |

Likely impacts of weather warnings (General)

Spoilage of harvested produce and impact on the germination of seeds.

Impact based advisories (General)

The harvested produce should be covered and placed in a well-ventilated place. Sowing should be delayed.

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 lightening.

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>