



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 : 2025-05-16

Weather Forecast of District UDAMSINGH-NAGAR (Uttarakhand) Issued On : 2025-05-16 (Valid Till 08:30 IST of the next 5 days)

Parameter	2025-05-17	2025-05-18	2025-05-19	2025-05-20	2025-05-21
Rainfall(mm)	4.0	3.0	0.0	2.0	2.0
Tmax(°C)	38.0	39.0	40.0	39.0	38.0
Tmin(°C)	22.0	22.0	23.0	24.0	24.0
RH-I(%)	60	70	65	70	70
RH-II(%)	30	30	30	35	35
Wind Speed(kmph)	8	9	6	10	10
Wind Direction(Degree)	140	140	140	140	140
Cloud Cover(Octa)	4	3	1	3	3
Warning	Thunderstorms & Lightning, Squall etc; Strong Surface Winds	No Warning	No Warning	Thunderstorms & Lightning, Squall etc; Strong Surface Winds	Thunderstorms & Lightning, Squall etc; Strong Surface Winds

Forecast Summary:

Last week (9 to 15 May) no rainfall was recorded and the maximum-minimum temperature varied between 35.5 to 40.0 and 21.3 to 24.1, respectively. The morning and evening relative humidity ranged between 50-68% and 19-37%, respectively while the wind blew from east-south-east, south-east, south, west and west-north-west at a speed varying between 1.1-4.9 kmph. Weather was clear on most of the days last week with few windy days. The upcoming forecast shows light rainfall of 2-4 mm and maximum-minimum temperature are expected to vary between 38.0-40.0°C and 22.0-24.0°C, respectively. The wind is expected to blow from south-east direction at a speed of 8-10 kmph. A yellow warning regarding thunderstorm & lightning, squall, etc. strong surface winds at isolated places has been issued for 16, 19 & 20 May.

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

Thunderstorm & lightning, squall, etc. and strong surface winds.

Likely impacts of weather warnings on Agriculture and associated Agromet advisories

Damage to fresh seedlings and disruption in regular farming activities including chemical spraying, irrigation application and hoeing-weeding.

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 deficient rainfall and normal maximum-minimum temperature trend during 23.05.2025 to 29.05.2025.

SMS Advisory:

As per the IMD forecast thunderstorm/lightning/squall and strong surface winds has been predicted so any type of chemical application should be scheduled on days without warnings.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
SUNFLOWER (Flowering)	The crop should be 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 chlorpyrifos 20 EC @ 2.5 ml/l is recommended when the bihar hairy caterpillars are younger. The irrigation application and chemical spraying should be done during the days without warning.
BLACK GRAM (Vegetative)	The crop should be irrigated as and when required and regular weeding-hoeing should be done. The farming operations should be scheduled on dry days without strong surface winds.
GREEN GRAM (Vegetative)	The crop should be irrigated as and when required and regular weeding-hoeing should be done. The farming operations should be scheduled on dry days without strong surface winds.
DAINCHA (Sowing)	Irrigation application as required should be done in the freshly sown crop. The sowing operation and irrigation application should be scheduled on dry non-windy days.
SUGARCANE (Vegetative)	Irrigation application as required 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. The farming operations required in the crops should be scheduled on dry and non-windy days.
FODDER SORGHUM (Vegetative)	Irrigation should be applied as per the crop requirement.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
GARLIC (Physiological Maturity)	Irrigation should be stopped in the mature garlic crop and harvesting of bulbs should be done and dried in shade. The harvesting should be scheduled on dry days.
COWPEA/ LOBIA (Vegetative)	Apply irrigation as required.
PUMPKIN (Vegetative)	In case of leaves giving a mottled appearance, the plants should be separated and sarvangi should be used for sucking pests. All chemical applications should be scheduled on dry non-windy days.
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. All the farming operations should be scheduled on dry non-windy days.
TOMATO (Vegetative)	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 oxychloride @ 3g/lit of water should be sprayed. The chemical sprays should be scheduled on dry and non-windy days.
CHILLI (Vegetative)	To control of viral diseases in chilli crop, infected plants (contracted piebald leaves)should be removed and destroyed.(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 oxychloride @

Horticulture (Stage)	Horticulture Specific Advisory
	3g/lit of water should be sprayed. The chemical sprays should be scheduled on dry and non-windy days.

Live Stock Specific Advisory:

Live Stock	Live Stock 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.

Others (Soil / Land Preparation) Specific Advisory:

Others (Soil / Land Preparation)	Others (Soil / Land Preparation) Specific Advisory
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

Likely impacts of weather warnings (General)

Thunderstorm & lightning, squall, etc. and strong surface winds are expected on 16, 19 and 20 May which may impact young seedlings and sowing operations. Disruption in regular farming activities.

Impact based advisories (General)

Sowing should be delayed and scheduled on dry days. The other farming operations should be avoided under strong windy conditions.

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