



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



Agromet Advisory Bulletin

Date: 09.07.2024

Weather Forecast of District UDHAMSINGH-NAGAR (Uttarakhand) Issued On: 2024-07-09 (Valid Till 08:30 IST of the next 5 days)

Parameter	10/07/2024	11/07/2024	12/07/2024	13/07/2024	14/07/2024
Rainfall(mm)	8.0	5.0	20.0	8.0	8.0
Max Temp(°C)	32.0	31.0	27.0	26.0	29.0
Min Temp(°C)	25.0	25.0	24.0	23.0	24.0
Max RH I (%)	75	80	90	90	90
Min RH II (%)	40	45	60	60	60
Wind speed (km/h)	6	8	14	14	12
Wind direction	130	130	130	130	130
Cloud cover	2	4	8	8	3

Weather Summary/Alert:

Last week (2 to 8 July), the region experienced 331.8 mm rainfall with the maximum-minimum temperature ranging 24.6 to 34.5°C and 22.9 to 25.9°C, respectively. The morning and evening relative humidity varied between 82-97% and 70-98%, respectively while the wind blew from south-south-east, north-east-east, east-north-east and north at a speed ranging 6.0-13.0 kmph. Most of the days were rainy days last week. The upcoming forecast shows light to moderate rainfall of 5-20 mm from 10-14 July and maximum-minimum temperature are expected to vary as 26.0-32.0°C and between 23.0-25.0°C, respectively. The wind is expected to blow from south-east direction at a speed of 6-14 kmph. Light to moderate rainfall is likely to occur at most places on 11th July and at many places in U.S.Nagar on 10th & 12th July. Light to moderate rain is likely to occur at a few places in U.S Nagar on 13th July. Light to moderate rain likely to occur at isolated places in U.S.Nagar on 9th July. A yellow warning regarding occurrence of thunderstorm/gusty winds/intense rain spell has been given for the isolated places on 10, 12 and 13 July.

General Advisory:

The rainy season has arrived so for regular updates on weather conditions in the region, the farmers can get updates from the app "Meghdoot" and lightning update from the app "Damini" available on Google Play Store (Android users) and App Centre (iOS users). The NDVI shows good agricultural vigour in the isolated regions of the state ranging 0.15-0.40. The extended range forecast shows normal rainfall and below normal maximum-minimum temperature trend during 05.07.2024 to 11.07.2024.

SMS Advisory:

As per IMD, light to moderate rainfall has been predicted so the sowing and chemical/fertilizer application should be scheduled accordingly.

Crop Specific Advisory:

Crop (Varieties)	Stage	Crop Specific Advisory
Rice	Transplanting/Seedling	Transplantation of rice should be completed and it should be done at row to row distance of 20 cm and plant to plant distance of 10 cm or 15 cm on both sides at 2-3 cm depth. Weather is favourable for the chemical application and transplanting so farming operations should be scheduled accordingly.
Groundnut	Sowing/Germination	Sowing of crop can be continued and fertilizer application can be done under clear weather conditions. Proper drainage should be maintained in the field.
Soyabean	Sowing/Germination	Sowing of soyabean can be continued under the predicted weather conditions and proper drainage should be maintained in the already sown crop.
Sugarcane	Vegetative	Provide proper drainage in the field and earthing operations should be done.
<i>Kharif</i> maize	Sowing	Sowing of maize needs to be done on ridges to avoid water stagnation and help in water conservation. Sowing should be scheduled as per the forecast and proper drainage should be provided in the already sown crop.

Horticulture Specific Advisory:

Horticulture (Varieties)	Stage	Horticulture Specific Advisory
Pumpkin/Other cucurbits	Fruiting/Harvesting	Harvesting of the mature fruits should be done and proper storage should be provided. Chemical applications should be scheduled as per the forecasted weather conditions. Wind breaks should be provided to reduce the impact of strong winds and intense rainfall.
Tomato	Fruiting/Harvesting	Farmers should harvest the ripe tomato crop. After the rains, the possibility of getting disease is more, keeping the weather forecast in mind, complete the work of harvesting as soon as possible so that the crop can be taken to the market in time. The mature fruit should be harvested and any kind of spray for the disease/pests should be scheduled as per the forecast. The mature fruits should be provided polynets/shadenets and they should be immediately sent to market after harvesting to avoid spoilage.
Okra/Ladyfinger	Sowing	10-12 kg of okra seeds are required during the rainy season. Before sowing, treat the seeds with fungicide, keep the seed sowing distance of 60 cm from row to row and 30 cm from plant to plant and uproot the remaining plants. Be sure to do sowing keeping in mind the weather forecast.
Chilli	Flowering/fruited	After rain, sap sucking insects become common in chillies, hence chemical application should be scheduled as per the forecast. Harvest mature chilli and provide proper drainage in the chilli field.
Ginger/Turmeric	Young plantlets	Provide proper drainage and schedule the farming operations as per the forecasted weather conditions.

LiveStock Specific Advisory

Livestock	LiveStock Specific Advisory
Cow/Buffalo	Get animals vaccinated to protect them from infectious diseases. Protect animals from heavy rains because it causes skin irritation like disorders. Outbreak of worms increases in these seasons and to avoid this use of anthelmintic with the

recommendation of the nearest veterinarian. Avoid possibility of rain stagnation in the cattle shed and provide proper drainage system.