



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: 16.07.2024

Weather Forecast of District UDHAMSINGH-NAGAR (Uttarakhand) Issued On: 2024-07-16 (Valid Till 08:30 IST of the next 5 days)

Parameter	17/07/2024	18/07/2024	19/07/2024	20/07/2024	21/07/2024
Rainfall(mm)	15.0	10.0	10.0	8.0	25.0
Max Temp(°C)	35.0	32.0	33.0	34.0	32.0
Min Temp(°C)	27.0	26.0	25.0	25.0	25.0
Max RH I (%)	85	85	80	80	85
Min RH II (%)	50	55	50	50	50
Wind speed (km/h)	14	11	14	9	10
Wind direction	130	130	130	130	130
Cloud cover	7	8	6	6	7

Weather Summary/Alert:

Last week (9 to 15 July), the region experienced 61.4 mm rainfall with the maximum-minimum temperature ranging 28.0 to 35.0°C and 22.4 to 27.1°C, respectively. The morning and evening relative humidity varied between 77-92% and 64-72%, respectively while the wind blew from east-north-east, east, north, south-south-west and west-north-west at a speed ranging 2.2-6.0 kmph. Most of the days last week were clear during day and rainy during night time or morning hours. The upcoming forecast shows light to moderate rainfall of 8-25 mm from 17-21 July and maximum-minimum temperature are expected to vary as 32.0-35.0°C and between 25.0-27.0°C, respectively. The wind is expected to blow from south-east direction at a speed of 9-14 kmph. Light to moderate rainfall is likely to occur at many places in U.S.Nagar on 17th & 18th July. Light to moderate rain is likely to occur at few places on 16th, 19th & 20th July, 2024. A yellow warning regarding occurrence of thunderstorm accompanied with lightning/ Intense spell at isolated places on 16, 18, 19th & 20th July.

General Advisory:

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 deficient rainfall, above normal maximum and normal minimum temperature trend during 12.07.2024 to 18.07.2024.

SMS Advisory:

As per the forecast by IMD, light to moderate rainfall is expected so drainage should be maintained in the fields and any kind of chemical application should be scheduled accordingly.

Crop Specific Advisory:

Crop (Varieties)	Stage	Crop Specific Advisory
Rice	Transplanting/Seedling	Gap filling in case of damaged seedlings should be done. Proper drainage should be maintained in the field. The chemical application should be scheduled as per the forecasted conditions.
Groundnut	Sowing/Germination	Proper drainage should be maintained in the already sown crop and sowing of the crop should be scheduled as per the forecast.
Soyabean	Sowing/Germination	Proper drainage should be maintained in the already sown crop and sowing of the crop should be scheduled as per the forecast.
Sugarcane	Vegetative	Provide proper drainage in the field and earthing operations (putting soil on the root surface) should be done.
<i>Kharif</i> maize	Sowing	Sowing of maize should be done on the 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.
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	Okra sowing during the rainy season should be scheduled as per the forecast. Before sowing, treat the seeds with fungicide and keep the sowing distance of 60 cm from row to row and 30 cm from plant to plant and uproot the remaining plants. Weeding-hoeing operations and proper drainage should be maintained in the already sown crop.
Chilli	Flowering/fruitlet	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 as 24 hrs of stagnant water might lead to drying of the chilli leaves.
Cauliflower	Young plantlets	Proper drainage should be provided in the field of early transplanted cauliflower variety.

LiveStock Specific Advisory

Livestock	LiveStock Specific Advisory
Cow/Buffalo	July & August month is highly favourable for cattles' delivery. So, it is recommended that their dwelling place should be clean and hygienic. Just after delivery, tie the navel of new born baby of cattle by cutting it with sharp and clean knife, then apply Gention violet paint or tincture iodine. After animal's delivery, Gynotone or Utrotone medicine @ 200ml should be given in morning and evening hours for three days to clean the womb.

