



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 : 28-06-2024

Weather Forecast of District UDAMSINGH-NAGAR(Uttarakhand) Issued On : 2024-06-28(Valid Till 08:30 IST of the next 5 days)

Parameter	2024-06-29	2024-06-30	2024-07-01	2024-07-02	2024-07-03
Rainfall(mm)	20.0	30.0	25.0	20.0	25.0
Tmax(°C)	32.0	32.0	31.0	31.0	30.0
Tmin(°C)	25.0	24.0	24.0	24.0	24.0
RH-I(%)	80	80	85	85	85
RH-II(%)	30	30	45	50	45
Wind Speed(kmph)	11	16	22	6	8
Wind Direction(Degree)	110	110	110	110	110
Cloud Cover(Octa)	3	6	8	8	8

Weather Summary/Alert:

Last week (21 to 27 June), the region experienced 11.6 mm rainfall with the maximum-minimum temperature ranging 31.0 to 39.5oC and 26.0 to 29.4oC, respectively. The morning and evening relative humidity varied between 62-89% and 39-81%, respectively while the wind blew from south-south-west, east-south-east, north, south-south-east, south-west-south and east at a speed ranging 5.3-7.3 kmph. Most of the days were cloudy last week. The upcoming forecast shows light to moderate rainfall of 20-30 mm and maximum-minimum temperature are expected to vary as 30.0-32.0oC and between 24.0-25.0oC, respectively. The wind is expected to blow from east-south-east direction at a speed of 8-22 kmph. Light to moderate rainfall likely to occur at most places on 29th June to 2nd July. Light to moderate rainfall is likely to occur at many places in U.S.Nagar on 28th June. A yellow alert regarding thunderstorm accompanied with lightening/gusty winds/Intense spell of rain is likely to occur at isolated places on 28th June to 2nd July, 2024. Heavy rain is likely to occur at isolated place in U.S Nagar on 29th June, 2024.

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 0.1-0.45. The extended range forecast shows deficient rainfall and normal maximum and normal minimum temperature trend during 28.06.2024 to 04.07.2024.

SMS Advisory:

As per the IMD forecast, light to moderate rainfall along with yellow alert for thunderstorm/lightning at isolated places has been given so the farming operations should be scheduled accordingly.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
RICE (Transplanting)	Add 2% urea mixed in 0.5% Zn So ₄ to the nursery. Application of fertilizers should be done as 1/4 N and full P and K at the time of sowing . If cowdung is being used then apply it 15-20 days earlier and use 1/2 N (10-15 kg). Nursery of basmati and aromatic rice should be completed till 30 June. Nursery of paddy should be filled with 4-6 cm of water before plucking the seedlings. Plucking of seedlings should be done carefully followed by washing the roots and transplanting of seedlings should be done immediately. Transplanting of paddy should be done when 4-5 leaves were seen in the seedlings of paddy. This stage comes after 18 days in early maturing varieties and after 20-25 days in medium duration varieties of paddy. Irrigation should be given in the field before 15 days of puddling. Field should be filled with water before 10-12 hrs of puddling and ploughing should be done 2-3 times. Field should be leveled. Transplanting should be done after 10-15hrs of puddling. Weather is favourable for transplanting but in case of heavy rainfall excess water should be drained from the fields.
MAIZE (Sowing)	Sowing Cluster varieties of kharif maize such as Tarun, Naveen, Kiran, Navjot, Pratap Maize-1, Pusa Cluster 3 and 4 can be sown. The seed rate can be maintained at 18-20 kg/ha and sowing can be done at a distance of 60-75 cm. Sowing can be delayed under heavy rainfall conditions and in case of excess water logging drainage channels should be provided.
MAIZE (Harvesting)	The spring maize should be harvested if mature to avoid spoilage under heavy rains. In case of water logging, proper drainage of excess water should be provided.
SUGARCANE (Tillering)	The farming operations should be delayed under heavy rainfall conditions and scheduled as per the forecast. Water stagnation should be avoided in the field and drainage channels should be provided to drain excess water.
SOYABEAN (Sowing)	Sowing can be delayed under heavy rainfall events and sowing should further be scheduled as per the forecast. In already sown crop enough drainage should be provided to avoid water stagnation.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
PUMPKIN (Harvesting)	Spraying of any type of chemical application should be delayed under the predicted conditions and harvested produce should be stored well to avoid spoilage.
TOMATO (Fruit formation)	There are chances of occurrence of disease after rainfall so destroy infected plants (when shriveled pitted leaves are visible) to control viral diseases and any kind of chemical application should be delayed under the predicted rainfall conditions.
OKRA/ LADYFINGER (Harvesting)	After rainfall there are chances of occurrence of sucking pest so regular monitoring is required. Harvest the mature crop and harvesting should be scheduled as per the forecast.
CHILLI (Harvesting)	After rainfall sucking insects become common in chilli so the chemical application should be scheduled as per the forecast. Harvest the mature chilli. Provide drainage in field unde heavy rainfall conditions.
TURMERIC	The young seedlings should be provided shelter and drainage should be provided to avoid water stagnation.
GINGER	The young seedlings should be provided shelter and drainage should be provided to avoid water stagnation.

Live Stock Specific Advisory:

Live Stock	Live Stock Specific Advisory
BUFFALO	Don't, leave the animals in open under thunderstorm/lightning and intense rainspell conditions. Provide proper shelter and don't let them get wet in the rains.
COW	Don't, leave the animals in open under thunderstorm/lightning and intense rainspell conditions. Provide proper shelter and don't let them get wet in the rains.