



Gramin Krishi Mausam Sewa
District Level Agromet Advisory Bulletin
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Udham Singh Nagar, Pantnagar, Uttarakhand



Agromet Advisory Bulletin

Date: 21.06.2024

Weather Forecast of District UDHAMSINGH-NAGAR (Uttarakhand) Issued On: 2024-06-21 (Valid Till 08:30 IST of the next 5 days)

Parameter	22/06/2024	23/06/2024	24/06/2024	25/06/2024	26/06/2024
Rainfall(mm)	5.0	7.0	10.0	20.0	27.0
Max Temp(°C)	38.0	39.0	38.0	37.0	36.0
Min Temp(°C)	29.0	29.0	28.0	27.0	27.0
Max RH I (%)	75	75	75	75	75
Min RH II (%)	35	35	35	35	35
Wind speed (km/h)	3	4	3	4	4
Wind direction	110	110	50	50	50
Cloud cover	4	5	6	7	8

Weather Summary/Alert:

Last week (14 to 20 June), the region experienced 4.4 mm rainfall with the maximum-minimum temperature ranging 42.0 to 43.5°C and 24.9 to 29.4°C, respectively. The morning and evening relative humidity varied between 54-81% and 28-44%, respectively while the wind blew from west-north-west and south at a speed ranging 5.9-9.9 kmph. Clear skies were observed on most of the days with partially cloudy conditions during few days last week. The upcoming forecast shows light to moderate rainfall of 5-27 mm and maximum-minimum temperature are expected to vary as 36.0-39.0°C and between 27.0-29.0°C, respectively. The wind is expected to blow from north-east and east-south-east direction at a speed of 3-4 kmph. Very light to light rain likely to occur at isolated places on 21st June. Light to Moderate rain likely to occur at few places on 22nd June, at many places on 23rd June and at most places on 24th and 25th June. A yellow alert regarding occurrence of thunderstorm accompanied with lightning/ strong surface winds is likely to occur on 21st June in and similar conditions with intense rain spell is expected on 22nd, 23rd, 24th and 25th June at isolated places in U S Nagar.

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 NDVI shows good agricultural vigour in the region. The extended range forecast shows deficient rainfall and above normal maximum and normal minimum temperature trend during 21.06.2024 to 27.06.2024. Last week (6-19 June) observed large deviations 70 to 90% in rainfall pattern from the normal.

SMS Advisory:

As per the IMD forecast, rainfall, thunderstorm, lightning with intense rain spell is expected in the coming week so farming operations should be scheduled accordingly.

Crop Specific Advisory:

Crop (Varieties)	Stage	Crop Specific Advisory
Rice	Transplanting	Transplanting of prepared seedlings should be done during evening time and regular irrigation should be applied to avoid drying of seedlings. The farming activities should be scheduled as per the predicted rainfall events.
Groundnut	Sowing	High yielding varieties like Girnar 2 and Mallika should be treated and sown at a line to line distance of 30-45 cm and plant to plant distance of 10-20 cm. Light irrigation should be applied just after sowing or the farming activities should be scheduled as per the forecast.
Pigeon pea/Arhar	Germination	Regular weeding and hoeing operations should be done and irrigation should be applied as and when required. The farming activities should be scheduled as per the predicted rainfall events.
Sugarcane	Vegetative	Irrigation should be applied as and when required and earthing operations should be done. Little soil should be used for earthing up operations during this time. The farming activities should be scheduled as per the predicted rainfall events.
Spring maize	Maturity/Harvest	Mature cobs in spring maize should be harvested before rain commences. Irrigation should be applied as and when required. The farming activities should be scheduled as per the predicted rainfall events.
<i>Kharif</i> maize	Sowing	Cluster varieties of <i>kharif</i> 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. Light irrigation should be applied just after sowing. The farming activities should be scheduled as per the predicted rainfall events.

Horticulture Specific Advisory:

Horticulture (Varieties)	Stage	Horticulture Specific Advisory
Brinjal	Sowing/ Transplanting	The transplanting should be done during evening hours at sufficient spacing of 75cm row to row and 60-75cm plant to plant. Shade nets should be used to protect the young seedlings. The farming activities should be scheduled as per the rainfall forecast.
Pumpkin/Other cucurbits	Fruiting/Harvesting	The harvested produce should be stored well to avoid spoilage due to rains.
Tomato	Fruiting/Harvesting	Harvest the mature fruits and store well to avoid spoilage due to rains. Provide polyhouse protection or shade net to protect the fruits. The farming activities should be scheduled as per the rainfall forecast.
Okra/Ladyfinger	Fruiting	Harvest the produce for sale purpose and apply irrigation as and when required. The farming activities should be scheduled as per the rainfall forecast.
Chilli	Flowering/fruitletting	Farmers need to complete the harvesting of the prepared chilli crop, as well remove upper stipe of chilly crop if drying after turning black, and spray 0.1% Carbendazim solution. Maintain moisture to avoid flower drop. The farming activities should be scheduled as per the rainfall forecast.
Ginger/Turmeric	Planting	Maintain moisture for proper growth of the young plantlets and protect them from sun using shadenets. The farming activities should be scheduled as per the rainfall forecast.
Peach/plum/pear	Harvesting	Harvest the stone fruits for sale and regular irrigation should be applied to the field. The farming activities should be scheduled as per the rainfall forecast.

LiveStock SpecificAdvisory

Livestock	LiveStock Specific Advisory
Cow	Vaccinate the animals against tetanus, enterotoxemia and Hemorrhagic Septicemia. To protect the animals from excessive heat using shady trees. To avoid the insufficiency of fodder, the farmers should store the fodder for such times. To avoid deficiency of important nutrients, sufficient amount of salt mixture along with the fodder should be provided.
Buffalo	Animals between two to four months of age should be vaccinated against black leg/black quarter (BQ). Buffaloes should be kept for wallowing in water