



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



Agromet Advisory Bulletin

Date: 18.06.2024

Weather Forecast of District UDHAMSINGH-NAGAR (Uttarakhand) Issued On: 2024-06-18 (Valid Till 08:30 IST of the next 5 days)

Parameter	19/06/2024	20/06/2024	21/06/2024	22/06/2024	23/06/2024
Rainfall(mm)	0.0	10.0	5.0	0.0	0.0
Max Temp(°C)	41.0	39.0	39.0	38.0	38.0
Min Temp(°C)	26.0	26.0	25.0	25.0	25.0
Max RH I (%)	65	75	70	65	66
Min RH II (%)	25	25	25	25	25
Wind speed (km/h)	20	14	13	14	14
Wind direction	110	110	110	110	110
Cloud cover	1	4	2	1	4

Weather Summary/Alert:

Last week (11 to 17 June), the region experienced 0 mm rainfall with the maximum-minimum temperature ranging 42.0 to 43.5°C and 23.4 to 29.1°C, respectively. The morning and evening relative humidity varied between 39-66% and 18-31%, respectively while the wind blew from west, west-north-west and west-south-west at a speed ranging 5.7-9.9 kmph. Clear skies were observed on most of the days last week. The upcoming forecast shows very light rainfall of 5-10 mm on 19 and 20 June and maximum-minimum temperature are expected to vary as 38.0-41.0°C and between 25.0-26.0°C, respectively. The wind is expected to blow from south-east and south-south-west direction at a speed of 13-20 kmph. Light to moderate rainfall likely to occur at a few places on 19th June and dry weather is likely to prevail in remaining district during rest of the period. An orange alert regarding heat wave to severe heat wave condition is likely to occur at a few places on 18th June. A yellow warning regarding heat wave condition at isolated places has been given for 19th June. Thunderstorm accompanied with lightning/ squall (50-60 kmph) is likely to occur at isolated places on 19th June.

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 large deficient rainfall and above normal maximum and normal minimum temperature trend during 14.06.2024 to 20.06.2024. Irrigation should be applied as and when required and wind breaks/shelter belts should be used to protect the crop against heat waves.

SMS Advisory:

As per the forecast by IMD, the predicted conditions of heatwave and thunderstorm are likely to occur so farming activities should be scheduled as per the forecast and applied as and when required.

Crop Specific Advisory:

Crop (Varieties)	Stage	Crop Specific Advisory
Rice	Nursery preparation	Nursery Seedlings of early ripening varieties of paddy, Govind, Narendra 118, Narendra 97, Saket 4, etc., should be sown till June 20. Aromatic Paddy Varieties-Type 3, Tarawadi Basmati, Pusa Basmati-1, Basmati-370, Pant Sugandh Paddy 15, Pant Sugandh, Paddy-17, Pant Sugandh Paddy- 21, Pusa Sugandh-2, Pusa Sugandh-3, Pusa Sugandh-4 Pusa-1121, Pusa Sugandh-5, P.R.H. should be transplanted between 15th to 30th June. Paddy seedlings can be prepared by wet and dry method. In wet method, apply water in the planting area 15-20 days before so that the weeds can germinate and get mixed in the field while preparing the field. Prepare the field by adding the above manure with dry method and sowing should be done @500 grams of seeds per 10 square meters in rows at a distance of 5-10 cm and apply water after sowing. Treat the seeds with Carbendazim 50% w.p. @ 2 g/kg. Use shade nets to protect the paddy beds from extreme sunlight. Transplanting of seedlings should be done during evening time.
Groundnut	Sowing	High yielding treated seeds should be sown and light irrigation should be applied just after sowing.
Pigeon pea/Arhar	Germination	Irrigation should be applied as and when required and soil water conservation measures should be used. Germinated seedlings should be protected from heat wave using shadenets.
Sugarcane	Vegetative	Irrigation should be applied as and when required and earthing operations should be done.
Spring maize	Maturity/Harvest	Mature cobs in spring maize should be harvested before rain commences for sale purpose. Bird scaring should be practiced. Irrigation should be applied as and when required to prevent heat stress.
Kharif maize	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. Light irrigation should be applied just after sowing.

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.
Pumpkin/Other cucurbits	Fruiting/Harvesting	Practice soil moisture conservation measures and wind breaks to avoid heat stress. Store the harvested produce with care.
Tomato	Fruiting/Harvesting	Provide polyhouse protection or shade net to protect the fruits.
Okra/Ladyfinger	Fruiting	At harvesting stage, any kind of insecticide application should be avoided. If required, the framers may go for organic application of neem oil @3ml/l of water. Irrigation should be applied as and when required.
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 and conserve soil moisture.
Ginger/Turmeric	Planting	Planting of the crops can be taken during the monsoon season and enough soil moisture should be maintained for proper growth. Protect young plantlets using shadenets.
Peach/plum/pear	Harvesting	Harvest the stone fruits and regular irrigation should be applied to the field.

Mango	Fruiting	Apply irrigation to prevent heat stress and fruit drop.
Litchi	Fruiting	Apply irrigation to prevent heat stress and fruit splitting.

LiveStock Specific Advisory

Livestock	LiveStock Specific Advisory
Cow/Buffalo	Keep the animals under shade. Proper vaccination should be provided. Regular supply of drinking water should be maintained to avoid heat stress. Fans and coolers should be provided in the sheds. Buffaloes should be kept for wallowing to avoid heat stress.

Others (Soil/Land Preparation)

Others (Soil/Land Preparation)	Others (Soil/Land Preparation) Specific Advisory
General Advice	To save fruit drop soil conservation measures like mulching should be done in the basins and irrigation should be applied. Use shelter belts, wind breaks and shade nets in young seedlings and fruiting plants.