



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



Agromet Advisory Bulletin

Date: 02.04.2024

Weather Forecast of District UDHAMSINGH-NAGAR (Uttarakhand) Issued On: 2024-04-02 (Valid Till 08:30 IST of the next 5 days)

Parameter	03/04/2024	04/04/2024	05/04/2024	06/04/2024	07/04/2024
Rainfall(mm)	0	0	0	0	0
Max Temp(°C)	33.0	34.0	35.0	34.0	34.0
Min Temp(°C)	14.0	15.0	15.0	15.0	15.0
Max RH I (%)	70	75	75	75	70
Min RH II (%)	30	30	30	35	30
Wind speed (km/h)	12	12	10	12	11
Wind direction	270	70	110	70	110
Cloud cover	4	7	3	2	1

Weather Summary/Alert:

During last week (26 March to 1 April) no rainfall was recorded and the maximum-minimum temperature ranged between 30.5 to 36.5°C and 12.9 to 18.4°C, respectively. The morning and evening relative humidity ranged between 49-90% and 19-52%, respectively. The wind blew from south-west, west-south-west, west-west-south and west at a speed ranging 1.2-5.6 kmph. The weather remained clear last week. The upcoming week is expected to receive no rainfall with maximum-minimum temperature ranging 33.0-35.0°C and 14.0-15.0°C, respectively. The wind is expected to blow from east-north-east, east-south-east and west direction at a speed of 10-12 kmph. The weather is expected to remain dry in the region.

General Advisory:

A regular update regarding weather forecast and agrometeorological advisory is available on the "Meghdoot App" while "Damini App" is also available to get lightning information. Meghdoot and Damini apps can be downloaded from Google Play Store (Android users) and App Center (iOS users). The NDVI composite shows good agricultural vigour in the region. The extended range forecast system shows that the predicted trend from 29 March-4 April would observe excess rainfall and normal maximum-minimum temperature trend. Irrigation application and any other disease/pest control measures should be followed.

SMS Advisory:

As per the forecast by India Meteorological Department, the weather would remain dry so farmers are advised to provide irrigation to the crops at regular interval.

Crop Specific Advisory:

Crop (Varieties)	Stage	Crop Specific Advisory
Chickpea/Lentil/ Field pea	Physiological maturity	Pod borer a major pest can be controlled using various chemical applications like Indoxacarb, Emamectin benzoate and Chlorantraniliprole. Harvest of mature pods should be done and dried well.
Urd/moong (Black gram/Green gram)	Sowing	The sowing should be done with recommended and treated seed varieties. They can also be intercropped with spring sugarcane.
Mustard	Physiological maturity/harvesting	Harvesting of mature pods should be done and pods should be dried well before threshing. Store the dried and threshed pods properly.
Wheat	Grain filling and maturity	The weeds particularly Phalaris minor and wild oat should be destroyed to avoid yield loss. Occurrence of yellow and brown rust should be controlled and in case of aphid attack, the recommended insecticide should be sprayed.
Sugarcane	Vegetative	Irrigation application and regular weeding-hoeing should be carried out as per requirement in spring planted sugarcane. Top-dressing of urea should be done after irrigation in autumn planted sugarcane and new crop of sugarcane
Fodder crops (Barseem)	Vegetative	After cutting, irrigation should be applied.
Fodder maize	Vegetative	February sown crop should be irrigated and after 3-4 days, top-dressing of urea should be done.

Horticulture Specific Advisory:

Horticulture (Varieties)	Stage	Horticulture Specific Advisory
Mango	-	On occurrence of mango hopper after fruit setting, Imidacloprid @ 3 ml/10 liters should be sprayed in the mango orchard.
Papaya	-	In plains, the papaya orchard basin should be cleared and mature fruits should be sent to market. Nursery sowing should be done for new Papaya crop.
Tomato/chilli	Vegetative	In tomato/chilli crop, roots should be dipped in imidachloprid @ 1g/lit of water for 10-15 min before transplanting and on occurrence of contracted piebald leaves in early transplanted crops, infected plants should be removed and destroyed.

Live Stock Specific Advisory

Livestock	Live Stock Specific Advisory
Cow/Buffalo	To prevent Puerperal fever in pregnant animals, 50-60 grams of mineral mixture should be fed to them everyday to boost their immunity as they are prone to sterility and Johne's disease (Paratuberculosis) during this time. In adult animals, deworming medicine must be used 15 days before vaccination against foot and mouth disease.