



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: 28.05.2024

Weather Forecast of District NAINITAL (Uttarakhand) Issued On: 2024-05-28(Valid Till 08:30 IST of the next 5 days)

Parameter	29/05/2024	30/05/2024	31/05/2024	01/06/2024	02/06/2024
Rainfall (mm)	1.0	1.0	15.0	8.0	25.0
Max Temp (°C)	28.0	28.0	27.0	27.0	26.0
Min Temp (°C)	16.0	16.0	16.0	15.0	16.0
Max RH I (%)	65	65	70	75	75
Min RH II (%)	30	30	30	35	35
Wind speed (km/h)	12	11	12	10	10
Wind direction	270	270	130	130	130
Cloud cover	1	1	1	2	3

Weather Summary/ Alert:

The upcoming week predicts light to moderate rainfall of 1-25 mm and maximum-minimum temperature varying between 26.0-28.0oC and 15.0-16.0oC, respectively. The wind is expected to blow from south-east and west direction at a speed of 10-12 kmph. Light to moderate rainfall is likely to occur at many places in Nainital on 31st May & 1st June. Light to moderate rainfall is likely to occur at many places in Nainital on 30th May. Very light to light rainfall is likely to occur at isolated places in Nainital on 28th & 29th May, 2024. Dry weather is likely to prevail during rest of the period. A yellow warning regarding occurrence of thunderstorm accompanied with lightning /gusty wind (30-40 Kmph) / Intense spells of rain is likely to occur at isolated places in the hills on 30th May and at isolated places on 28 and 29 May while similar conditions with gust wind (40-50 kmph) is likely to occur at isolated places in the hills on 31st May and 1st 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 moderate agricultural vigour in the region. The extended range forecast shows large deficient rainfall and above normal maximum and normal minimum temperature trend during 24.05.2024 to 30.05.2024. Rainfall and thunderstorm activities have been predicted so the farming activities should be scheduled accordingly.

SMS Advisory:

As per the IMD forecast, light to moderate rainfall along with yellow warning regarding thunderstorm/lightning has been given so farming activities should be scheduled accordingly.

Crop Specific Advisory:

Crop (Varieties)	Stage	Crop Specific Advisory
Rice	Sowing	In valley and low hills, preparation of nursery should be completed under irrigated condition. Direct sowing of Jethi Dhan should be done by the first week of June. The farmers should do the sowing during evening time. The

		farming activities should be scheduled as per the forecast.
Pigeon pea/Red gram/Arhar	Sowing/Germination	The crop should be irrigated as and when required and regular weeding-hoeing should be done. The farming activities should be scheduled as per the forecast.
Maize	Sowing	Maize sowing can be continued and irrigation should be applied as and when required in the mid and high hills. Mulching should be done to conserve moisture. The farming activities should be scheduled as per the forecast.
Barnyard millet	Sowing	Traditional varieties or high yielding varieties should be sown in the higher hills. Light irrigation should be applied after sowing. The farming activities should be scheduled as per the forecast.
Finger millet	Sowing	In higher hills these crops can be sown in the second fortnight. High yielding and well treated seeds should be used. Light irrigation should be applied after sowing. The farming activities should be scheduled as per the forecast.

Horticulture Specific Advisory:

Horticulture (Varieties)	Stage	Horticulture Specific Advisory
Tomato	Seedling	Do weeding and top dressing of urea in new tomato plants. Stand the plant with the help of sticks. Farmers who have polyhouse should prepare to grow tomatoes. The farming activities should be scheduled as per the forecast.
Capsicum/ brinjal	Vegetative	In one month old transplanted crop, top dressing of urea should be done. Mulching should be done to conserve moisture. The farming activities should be scheduled as per the forecast.
Pumpkin/Other cucurbits	Vegetative/fruiting	In case of leaves giving a mottled appearance, the plants should be separated and sarvangi should be used for sucking pests. Regular irrigation should be applied as required. The farming activities should be scheduled as per the forecast.
Cauliflower/Cabbage/ Broccoli	Sowing	Sowing of cole crops should be done with enough moisture in the field. Nursery preparation should be done with the treated seeds and proper distance between the seeds should be maintained. The farming activities should be scheduled as per the forecast.
Peach/Plum	Fruiting/ Physiological maturity	Regular irrigation should be applied to reduce fruit drop and conserve soil moisture to maintain temperatures. Continue harvesting of early varieties of peach, plum, apricot keeping in view the weather forecast. Send pitted fruits to the market.

Live Stock Specific Advisory

Livestock	LiveStock Specific Advisory
Cow / Buffalo	Continuous water supply should be maintained in the shed to prevent heat stress conditions in the animals due to heat wave. Temperature of animal shed should be maintained using cooling devices such as fan, cooler or latest cooling device to maintain the productivity of foreign cows and save them from diseases. The drinking troughs should be kept clean and animals should be provided water at least four times during the day. If symptoms of mastitis are seen in dairy cattle , treat it immediately.

Others (Soil/Land Preparation)

Others (Soil/Land Preparation)	Others (Soil/Land Preparation) Specific Advisory
General Advice	Intercultural operations should be done in cucurbits to conserve moisture and irrigation should be applied to the crops during evening hours. In case of strong wind avoid irrigating standing crops and maintain drainage in case of excess rainfall.