



## AgrometAdvisoryBulletin

Date:28.03.2024

**Weather Forecast of District UDHAMSINGH-NAGAR (Uttarakhand) Issued On: 2024-03-28 (Valid Till 08:30 IST of the next 5 days)**

Parameter	29/03/2024	30/03/2024	31/03/2024	01/04/2024	02/04/2024
Rainfall(mm)	0.0	3.0	5.0	0.0	0.0
MaxTemp(°C)	35.0	35.0	34.0	33.0	33.0
MinTemp(°C)	17.0	17.0	16.0	18.0	18.0
Max RHI (%)	75	85	85	75	75
MinRHII(%)	35	45	45	35	35
Windspeed (km/h)	2	2	2	2	1
Winddirection	320	140	140	320	320
Cloudcover	0	6	8	0	0

### WeatherSummary/Alert:

During last week (21 to 27 March) no rainfall was recorded and the maximum-minimum temperature ranged between 28.0 to 31.5oC and 11.5 to 13.5oC, respectively. The morning and evening relative humidity ranged between 78-90% and 37-54%, respectively. The wind blew from south-east, west, west-north-west and west-south-west at a speed ranging 1.2-7.9 kmph. The weather remained clear with few cloudy days last week. The upcoming week is expected to receive very light rainfall of 3-5 mm with maximum-minimum temperature ranging 33.0-35.0oC and 16.0-18.0oC, respectively. The wind is expected to blow from south-east and north-west direction at a speed of 1-2 kmph. Very light to light rain is likely to occur at isolated places on 29th March and at a few places on 30th March while dry weather is likely to prevail on 01st April. A yellow warning regarding occurrence of thunderstorm with lightning/hailstorm and gusty winds (40-50 kmph) is expected at isolated places on 29th March.

### GeneralAdvisory:

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 moderate agricultural vigour in the region. The extended range forecast system shows that the predicted trend from 22-28 March would observe large deficit rainfall and normal maximum-minimum temperature trend. Appropriate irrigation measures and chemical application as required at critical stages of crop should be provided. The orchards should not be ploughed at flowering time and irrigation application should be done as required. Insecticide application should be avoided at flowering time as it would harm the pollinators.

### SMSAdvisory:

Very light rainfall along with occurrence of thunderstorm accompanied by gusty winds (40-50 kmph) has been forecasted by IMD so the farming activities should be scheduled accordingly.

### CropSpecificAdvisory:

Crop(Varieties)	Stage	CropSpecificAdvisory
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. The harvesting and chemical application should be scheduled as per the forecast.
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. Sowing should be scheduled as per the forecast.
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 as per the forecast.
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. The chemical application and other farming activities should be scheduled as per the forecast.
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. All the farming activities should be done keeping the forecast in mind.
Fodder crops (Barseem)	Vegetative	After cutting, irrigation should be applied. All the farming activities should be done keeping the forecast in mind.
Fodder maize	Vegetative	February sown crop should be irrigated and after 3-4 days top-dressing of urea should be done. All the farming activities should be done keeping the forecast in mind.

### HorticultureSpecificAdvisory:

Horticulture (Varieties)	Stage	HorticultureSpecificAdvisory
French bean	Seedling	Irrigation should be applied as required and regular hoeing-weeding should be done. All the farming activities should be done keeping the forecast in mind.
Taro	Sowing	Sowing of early varieties can be done in the plains. The sowing can be delayed under the forecasted conditions.
Radish/carrot	Sowing	Sowing of European varieties can be taken up. The sowing can be delayed under the forecasted conditions.
Brinjal	Vegetative	In the previously planted crop, weeding and irrigation should be done as required. All the farming activities should be done keeping the forecast in mind.

### LiveStockSpecificAdvisory

Livestock	LiveStockSpecificAdvisory
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.