



Agromet Advisory Bulletin

Date: 13.02.2024

Weather Forecast of District UDHAM SINGH-NAGAR (Uttarakhand) Issued On: 2024-02-13 (Valid Till 08:30 IST of the next 5 days)

Parameter	14/02/2024	15/02/2024	16/02/2024	17/02/2024	18/02/2024
Rainfall (mm)	0.0	0.0	0.0	0.0	0.0
Max Temp (°C)	24.0	25.0	25.0	25.0	26.0
Min Temp (°C)	7.0	7.0	7.0	7.0	8.0
Max RHI (%)	80	80	80	80	85
Min RHII (%)	30	30	35	35	35
Wind speed (km/h)	8	6	6	6	6
Wind direction	320	110	110	230	110
Cloud cover	5	1	1	1	2

Weather Summary/Alert:

Last seven days (6 to 12 February) observed no rainfall with maximum and minimum temperature varying between 17.0-25.1 and 4.2-9.9 oC, respectively. The weather was observed to be clear on most of the days during last week. The morning and evening relative humidity varied between 91-95% and 37-84%, respectively. The wind speed mostly ranged between 1.2-9.5 kmph blowing primarily from the west, west-north-west, south-east, west-south-west and south-south-west direction. The upcoming 5 day forecast shows no rainfall with maximum and minimum temperature varying between 24.0-26.0oC and 7-8oC. The wind speed is expected to be 6-8 kmph from west-south-west, north-west and east-south-east. Dry weather is expected to prevail 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 moderate agricultural vigour in the region. The extended range forecast system shows deficient rainfall and normal maximum and minimum temperature trend during 9 to 15 February.

SMS Advisory:

Dry weather is expected to prevail in the region so sufficient moisture should be maintained with appropriate irrigation measures.

Crop Specific Advisory:

Crop (Varieties)	Stage	Crop Specific Advisory
Chickpea/Lentil	vegetative/flowering	Irrigation should be applied at the time of flowering and on occurrence of pod borer application of appropriate biological and chemical control should be followed. Biological control is possible with 5% neem seed kernel extract or BT @ 1kg/ha. Chemical application of Cholantraniliprole 18.5 SL @ 125 ml or Emamectin Benzoate 5 SG @ 220g dissolved in 500-600 litres of water per hectare. The first chemical spray should be done at 50% flowering and 2 nd and 3 rd spray at an interval of 15 days.
Rai	Flowering/ pod formation	Irrigation should be applied at the time of pod formation. Regular monitoring of mustard for pest and disease attack should be done and recommended practices for control should be followed. White rust, blight and powdery mildew can be controlled using appropriate

		fungicide application.
Wheat	Vegetative	The crop should be irrigated at flowering stage while weed control should be practiced in late sown crops. The occurrence of diseases like powdery mildew and blight should be controlled accordingly.
Barley	Vegetative	The crop should be irrigated at flowering stage while weed control should be practiced in late sown crops. The occurrence of diseases like powdery mildew and blight should be controlled accordingly.
Fodder crops	Vegetative	The crops should be cut at appropriate time and irrigation should be applied after every cut.
Sugarcane	Vegetative	To get good yield the new sugarcane crop should be cut during mid February and irrigation application along with hoeing-weeding operations should be carried out in the autumn sugarcane crop.

Horticulture Specific Advisory:

Horticulture (Varieties)	Stage	Horticulture Specific Advisory
Onion	Vegetative	Regular irrigation and monitoring of the crop should be done.
Tomato/chilli	Flowering/ Fruit formation	Irrigation should be applied as required.
Brinjal	Transplanting	Transplanting of brinjal seedlings should be done during this month
French bean	Sowing	Sowing can be done till mid February
Potato	Maturity	To control the late blight disease in potato, it is advised that solution of Mancozeb@ 2.5g/liter of water should be sprayed. Harvest mature potatoes.
Lemon		Proper nutrition and irrigation should be given to the citrus plants to prevent flower drop.
Marigold	Flowering	On occurrence of dryness and fungal growth appropriate fungicides such as score @0.5 ml/l and tilt @ 1ml/l should be used.

Live Stock Specific Advisory

Livestock	LiveStock Specific Advisory
Cow/Buffalo	Cows/buffaloes should not only consume unrefined foods like barseem, agola, etc. Always use dry foods in standard quantities with green fodder. Destroy horn-buds of calves of cow/buffaloes at the age of one week.
Sheep/goats	Treat and take good care of newborn lambs of sheep and goats.