



Agromet Advisory Bulletin

Date: 28.05.2024

Weather Forecast of District UDHAMSINGH-NAGAR (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)	0.0	0.0	1.0	1.0	20.0
Max Temp(°C)	41.0	40.0	39.0	38.0	38.0
Min Temp(°C)	27.0	27.0	26.0	26.0	26.0
Max RH I (%)	65	65	65	70	70
Min RH II (%)	30	30	30	30	30
Wind speed (km/h)	14	14	14	12	12
Wind direction	270	270	130	130	130
Cloud cover	0	1	1	2	4

Weather Summary/Alert:

Last week (21 to 27 May) 0.0 mm rainfall was recorded with the maximum-minimum temperature ranging 37.0 to 41.0°C and 24.5 to 28.8°C, respectively. The morning and evening relative humidity ranged between 51-59% and 33-39%, respectively while the wind blew from east, south-east, south, west and west-south-west direction at a speed varying between 3.3-10.5 kmph. Clear skies with hot and humid temperatures remained last week. The upcoming forecast shows light to moderate rainfall of 1-20 mm on 30, 31 May and 1 June and maximum-minimum temperature are expected to vary as 38.0-41.0°C and between 26.0-27.0°C, respectively. The wind is expected to blow from south-east and west direction at a speed of 12-14 kmph. Light to moderate rainfall is likely to occur at a few places in U.S. Nagar on 31st May & 1st June. Very light to light rainfall is likely to occur at isolated places in U.S. Nagar on 30th May. Dry weather is likely to prevail during rest of the period. A yellow warning regarding occurrence of thunderstorm accompanied by lightning/ gusty winds (30-40 kmph) has been given for 30 May and similar conditions with gusty wind (40-50 kmph) is likely to occur in isolated places on 31 May and 1 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 normal maximum-minimum temperature trend during 24.05.2024 to 30.05.2024. Dry windy weather may remain so irrigation should be applied as required and other chemical applications should be scheduled as per the weather conditions.

SMS Advisory:

As per IMD forecast, light to moderate rainfall along with lightning/thunderstorm events has been predicted in the region so all the farming activities should be scheduled accordingly.

Crop Specific Advisory:

Crop (Varieties)	Stage	Crop Specific Advisory
Rice	Nursery preparation	The transplanting nursery for rice can be prepared by wet or dry method. By wet method in irrigated areas nursery can be prepared 15-20 days before transplanting. In this water is added and all the weeds are allowed to germinate which are further puddled in the field itself. Dry method can be used in rainfed areas. Sowing of medium duration varieties such as Narendar-359, PR 113, etc. should be done. Sowing should be done at line to line distance of 20 cm at a depth of 4-5 cm under wet method. The farming activities should be scheduled as per the forecast.
Sunflower	Seed formation	The mature sunflower heads should be harvested and dried while in case of standing crops scaring away the birds is an important activity to prevent yield losses. Moisture should be maintained in the sunflower field during seed formation. The farming activities should be scheduled as per the forecast.
Urd/Moong	Pod formation/ Physiological maturity	Crop should be irrigated as required and if fully mature, harvesting can be done as per requirement. Maintain soil moisture. The farming activities should be scheduled as per the forecast.
Daincha	Vegetative	Regular irrigation should be applied to the crop as required. The farming activities should be scheduled as per the forecast.
Sugarcane	Vegetative	Regular irrigation application along with hoeing-weeding should be done. Farmers, on the occurrence of black bug in sugarcane crop, should spray quinalphos 25 EC in 500liter of water. The farming activities should be scheduled as per the forecast.
Spring maize	Taselling/Cob filling	Regular irrigation should be applied at cob filling stage after tasseling and bird scaring methods should be used to prevent yield losses. The farming activities should be scheduled as per the forecast.

Horticulture Specific Advisory:

Horticulture (Varieties)	Stage	Horticulture Specific Advisory
Cowpea	Pod formation/ Physiological maturity	Crop should be irrigated as required and if fully mature, harvesting can be done as per requirement. Maintain soil moisture. The farming activities should be scheduled as per the forecast.
Pumpkin/Other cucurbits	Flowering/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 and moisture conservation measures should be taken to prevent flower drop in these crops. The farming activities should be scheduled as per the forecast.
Ladyfinger	Flowering/fruiting	If the veins of leaves of okra crop are turning yellow, then destroy the plants and Sarvangi insecticide should be sprayed to control the juice sucking insects. Regular irrigation should be applied and suitable mulching operations should be done to conserve moisture. The farming activities should be scheduled as per the forecast.
Chilli	Flowering/fruiting	Farmers need to complete the harvesting of the prepared chilli crop, as well as remove and destroy the infected plants (when shriveled and pitted leaves are visible)to control viral diseases and spray insecticides to control sap-sucking insects. Spray Mancozeb 2.5g/l or Copper oxychloride 3.0g/l of water to prevent outbreak ofblight. Spraying should be done keeping the

		weather forecast in mind. To prevent flower drop maintain moisture in the crop.
Mango	Fruiting	Higher temperatures may cause fruit drop and effect the fruit growth so regular spraying of water and 1% boron should be done. Regular irrigation and mulch practice should be followed to conserve moisture. The farming activities should be scheduled as per the forecast.
Litchi	Fruiting	Less water and humidity cause fruit splitting thus regular spraying of water and 1% boron should be done to avoid heat. Regular irrigation and mulch practice should be followed to conserve moisture. The farming activities should be scheduled as per the forecast.

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 sugarcane and cucurbits. Irrigation should be applied to the crops during evening hours. Mulch should be used to conserve moisture.