



Agromet Advisory Bulletin

Date: 31.05.2024

Weather Forecast of District UDHAMSINGH-NAGAR (Uttarakhand) Issued On: 2024-05-31 (Valid Till 08:30 IST of the next 5 days)

Parameter	01/06/2024	02/06/2024	03/06/2024	04/06/2024	05/06/2024
Rainfall(mm)	0.0	1.0	4.0	0.0	2.0
Max Temp(°C)	42.0	41.0	40.0	40.0	39.0
Min Temp(°C)	24.0	24.0	24.0	24.0	24.0
Max RH I (%)	65	65	70	65	65
Min RH II (%)	30	30	30	30	30
Wind speed (km/h)	10	10	8	14	14
Wind direction	130	130	270	270	270
Cloud cover	1	5	3	2	1

Weather Summary/Alert:

Last week (24 to 30 May) 0.0 mm rainfall was recorded with the maximum-minimum temperature ranging 37.0 to 42.0°C and 26.4 to 30.5°C, respectively. The morning and evening relative humidity ranged between 46-57% and 25-38%, respectively while the wind blew from south, west, west-south-west, south-south-east direction at a speed varying between 3.3-7.6 kmph. Clear skies with high day and night temperatures remained last week. The upcoming forecast shows light rainfall of 1-4 mm on 1, 2 and 4 June and maximum-minimum temperature are expected to vary as 39.0-42.0°C and 24.0°C, respectively. The wind is expected to blow from south-east and west direction at a speed of 8-14 kmph. Very light rainfall (Light drizzle) may occur at isolated places on 1, 2 and 4 June while dry weather may prevail during rest of the period. A yellow warning regarding occurrence of heat to severe heatwave condition is likely to occur at few places on 31 May and at isolated places on 1 June. Thunderstorm accompanied by lightning and gusty wind (40-50 kmph) is expected at isolated places on 1 and 2 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 good agricultural vigour in the region. The extended range forecast shows large deficient rainfall and normal maximum-minimum temperature trend during 30.05.2024 to 06.06.2024. Very light rainfall/drizzle has been predicted along with dry weather so soil moisture should be maintained and regular irrigation application should be done.

SMS Advisory:

As per the IMD forecasted weather conditions of light rainfall and dry weather, farmers are recommended to maintain sufficient soil moisture with regular irrigation practices.

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.
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.
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.
Daincha	Vegetative	Regular irrigation should be applied to the crop as required.
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.
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. Mature cobs should be harvested for sale.

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.
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. Intercultural operations should be practiced to break hot winds and conserve moisture.
Ladyfinger	Flowering/fruiting	Farmers need to complete harvesting of mature chilli crop, remove and destroy infected plants (when shriveled and curled leaves appear) to control viral diseases and spray insecticides to control sap-sucking insects. Spray Mancozeb 2.5 g/liter or Copper Oxychloride 3.0 g/liter of water to prevent blight outbreak. Maintain crop moisture to prevent flower drop.
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 of blight. 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.

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.
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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.