

Gramin Krishi Mausam Sewa

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District Level Agro Advisory Bulletin, District - Udham Singh Nagar

Weather Forecast of District UDAMSINGH-NAGAR(Uttarakhand) Issued On : 2023-06-09 (Valid Till 08:30 IST of the next 5 days)

Parameter	10/06/2023	11/06/2023	12/06/2023	13/06/2023	14/06/2023
Rainfall (mm)	0	0	0	0	5
Max Temp (^o C)	39	38	38	37	37
Min Temp (^o C)	20	20	21	22	22
Cloud Cover	1	1	0	2	3
Max RH I (%)	65	70	70	70	75
Min RH II (%)	30	30	30	30	30
Wind speed (km/h)	10	12	12	12	15
Wind direction	270	320	310	110	110

Weather Summary/Alert:

In the past seven days (2 to 8 June) the weather was mostly clear. The recorded rainfall was 0.0 mm. The maximum and minimum temperature ranged 34.5 to 40.2 oC and 19.1 to 23.5 oC. The morning relative humidity at 0712 hrs ranged 44 to 74% and evening relative humidity at 1412 hrs ranged 21 to 32%. The wind speed during this period was 3.3 to 7.5 km/h while the wind direction was mostly North-North-East. The five days forecast shows clear weather with a likely occurrence of very light drizzle on 13/06/2023. The maximum and minimum temperature would vary 37.0-39.0 oC and 20.0-22.0 oC. The wind speed would vary 10-15 km/h and wind direction would mostly be East and West-North-West. Warning: Thunderstorm accompanied with lightning/hail and gusty wind (40-50 kmph) likely to occur at isolated places in Uttarakhand. Warning: There may be occurrence of thunderstorm accompanied by lightning, hail and squall (wind speed: 50-60 km/h) in isolated places (upto 25% area) of Uttarakhand on 12 & 13 June, 2023. Similar conditions of thunderstorm, lightning accompanied by gusty winds (wind speed: 40-50 km/h) might occur in isolated (upto 25% area) places of Uttarakhand on 11 June, 2023.

General Advisory:

The blended NDVI Composite map received from the India Meteorological Department indicated that the NDVI ranging between 0.2-0.35 for Udham Singh Nagar i.e. agriculture vigor is moderate in the district. Farmers are advised to download the "Meghdoot App" to get past week weather, weather forecast, and agromet advisory and "Damini App" to get lightning information. Meghdoot and Damini Apps can be downloaded from the google play store (Android users) and App Center (IOS users).

SMS Advisory:

In the coming five days the weather is predicted to be clear with warning issued regarding likely occurrence of thunderstorm activities on 11,12 & 13 June, 2023.

Crop Specific Advisory:

Crop (Varieties)	Crop Specific Advisory
RICE	(1) Farmers need to prepare their paddy nurseries. (2) Direct sowing of paddy can be done in the first fortnight of June. Apply Pendimethalin 1.0 kg active ingredient per hectare within 2 days of sowing. The nursery needs to be safeguarded from direct sunlight using shade nets.
MAIZE	The best time for sowing <i>kharif</i> maize is the first fortnight of June. Sow sankul varieties of maize like Tarun, Naveen, Kiran, Navjot, Pratap Makkah-1, Pusa Sankul 3 and 4. The seed rate should be kept 18-20 kg/ha and sowing should be done at a distance of 60-75 cm.
PIGEON PEA (RED GRAM/ARHAR)	Sowing of early varieties of arhar that are UPAM-120 and Pant Arhar 291 should be done till mid June. For good production rhizobium treated seeds should be used .
SUGARCANE	Farmers, on the occurrence of black bug in sugarcane crop, should spray quinalphos 25EC in 500liter of water. Other activities such as earthing up and application of remaining N-dose in spring sugarcane should be done.

Horticulture Specific Advisory:

Horticulture (Varieties)	Horticulture Specific Advisory
BRINJAL	This is the right time for sowing and transplanting of round brinjals. The transplanting should be done during evening hours. Sufficient spacing should be maintained of 75cm row to row and 60-75cm plant to plant.
PUMPKIN	If the leaves of pumpkin type vegetables are showing spots or curling, then destroy such plants and spray all-round insecticide to protect them from sucking insects. To prevent flower drop maintain moisture in the crop.
CHILLI	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.
GINGER	The planting of ginger should be taken up as the monsoon crop. Enough moisture should be maintained in the field for congenial environment of crop growth.
TURMERIC	The planting of turmeric should be taken up as the monsoon crop. Enough moisture should be maintained in the field for congenial environment of crop growth.

Live Stock Specific Advisory:

Live Stock (Varieties)	Live Stock Specific Advisory
COW	As the monsoon season is arriving, the cows are sensitive to diseases so the required vaccination should be done in time.
BUFFALO	A congenial environment needs to be maintained for the animals for which the following points should be kept in mind: Regular bathing of animals is must. No exposure to excessive heat. Exhaust fan to be installed for good ventilation. Provide mosquito nets to prevent mosquito bites.

Others (Soil / Land Preparation) Specific Advisory:

Others (Soil / Land Preparation)(Varieties)	Others (Soil / Land Preparation) Specific Advisory
GENERAL ADVICE	Soil testing to be done for nutrients and accordingly the nutrients to be added to the soil. Deep ploughing to be done upto 20-25 cm. Levelling of field is required.

