



Gramin Krishi Mausam Sewa
District Level Agromet Advisory Bulletin
Govind Ballabh Pant University of Agriculture & Technology
 Udham Singh Nagar, Pantnagar, Uttarakhand



Agromet Advisory Bulletin

Date : 30-05-2023

Weather Forecast of District UDAMSINGH-NAGAR(Uttarakhand) Issued On : 2023-05-30(Valid Till 08:30 IST of the next 5 days)

Parameter	2023-05-31	2023-06-01	2023-06-02	2023-06-03	2023-06-04
Rainfall(mm)	0.0	5.0	1.0	1.0	0.0
Tmax(°C)	36.0	36.0	36.0	35.0	36.0
Tmin(°C)	24.0	23.0	23.0	23.0	23.0
RH-I(%)	65	70	75	75	70
RH-II(%)	30	30	30	30	30
Wind Speed(kmph)	10	8	14	10	12
Wind Direction(Degree)	120	330	230	120	230
Cloud Cover(Octa)	1	3	2	1	0

Weather Summary/Alert:

In the last seven days (May 23-29, 2023), the district recorded a total rainfall of 17.6 mm with maximum and minimum temperatures ranging from 31.0-38.5 °C and 19.3-25.7 °C. It was cloudy most of the day. The morning relative humidity at 0712 was 54-83% and the evening relative humidity at 1412 was 34-56%. The wind speed during this period was 1.1-7.0 km/h and the wind direction was mostly north and north-northeast. Thunderstorm, lightning, hail accompanied by drizzle and light rain are expected in the forecast for five days and Strong wind (40-50 kmph) at isolated places over Kumaon region of Uttarakhand on 30th and 31st May. This weather pattern may continue on June 1 and 2 as well. Most of the days will be cloudy. The maximum and minimum temperature will vary between 35.0-36.0oC and 23-24oC. The wind speed will be between 8-14 km/h and the wind direction will be East-South-East, South-West and North-West. **WARNING:** Thunderstorm accompanied with lightning, hailstorm and strong wind (40-50 kmph) very likely at isolated places over the districts of Kumaon region of Uttarakhand on 30th and 31st May. Similar conditions may prevail on June 1 and 2 as well.

General Advisory:

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). To save the stem of fruit tree from high radiation of sun, mixture of copper oxychloride with lime (1kg copper oxychloride, 30 kg Calcium hydroxide or bujha chuna, 1.5 liter linseed oil in 100 liter of water) should be used. Spraying of chemical should be done keeping in view the weather forecast.

SMS Advisory:

Thunderstorm accompanied with lightning, hailstorm and strong wind (40-50 kmph) very likely at isolated places over the districts of Kumaon region of Uttarakhand on 30th and 31st May.

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
RICE	(1) Paddy nursery is prepared in the month of June. Preparation of nursery for mid duration variety of paddy like - Narendra-359, Pant dhan-18, HKR-147, PR-113 etc should be done up to 10th June. (2) Direct sowing of paddy can be done in the first fortnight of June. For this, choose medium duration varieties of paddy. Keep the seed rate at 60-70 kg/ha and sow the seeds in rows at a distance of 18-22 cm. Apply Pendimethalin 1.0 kg active ingredient per hectare within 2 days of sowing. With this method we can save 20% of water & the cost of transplanting also and crop is ripen 7-10 days before. The farmers need to protect their nurseries from direct sun using shade nets and the sowing should be done during evening time by the farmers.
SUGARCANE	Farmers, on the occurrence of black bug in sugarcane crop, should spray quinalphos 25 EC in 500liter of water. Other activities such as earthing up and application of remaining N-dose in spring sugarcane should be done.
MAIZE	Farmers, as per the weather forecast and rainfall should maintain sufficient amount of moisture in the field. As the cobs are mature, there is a need to use bird scaring methods to save the cob from the birds. Drain excess water in case of water logging conditions.
GREEN GRAM	The crop is ready to harvest. It should be picked up and stored for further purposes.

Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
OKRA/ LADYFINGER	The crop is in harvesting stage so any kind of insecticide recommendation is avoided. However, the farmers may go for neem oil application @3ml/l of water keeping the weather forecast in mind.
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. Spraying of pumpkin vegetables should be done keeping the weather forecast in mind. 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. Spraying should be done keeping the weather forecast in mind. To prevent flower drop maintain moisture in the crop
GINGER	The planting of ginger should be taken up as the the monsoon crop. Enough moisture should be maintained in the field for congenial environment for crop growth.
TURMERIC	The planting of turmeric should be taken up as the the monsoon crop. Enough moisture should be maintained in the field for congenial environment for crop growth.

Live Stock Specific Advisory:

Live Stock(Varieties)	Live Stock Specific Advisory
COW	Get the cows vaccinated as required.
BUFFALO	Farmers should keep the following points in mind Bathing of animals is must. No exposure to excessive heat. Exhaust fan to be installed for good ventilation. 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.