



# Gramin Krishi Mausam Sewa

District Level Agromet Advisory Bulletin  
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Udham Singh Nagar, Pantnagar, Uttarakhand



## Agromet Advisory Bulletin

Date : 27-06-2023

Weather Forecast of UDAMSINGH-NAGAR(Uttarakhand) Issued On : 2023-06-27(Valid Till 08:30 IST of the next 5 days)

Parameter	2023-06-28	2023-06-29	2023-06-30	2023-07-01	2023-07-02
Rainfall(mm)	8.0	10.0	8.0	20.0	12.0
Tmax(°C)	34.0	32.0	32.0	31.0	31.0
Tmin(°C)	25.0	25.0	24.0	25.0	24.0
RH-I(%)	85	85	80	80	85
RH-II(%)	40	50	45	45	55
Wind Speed(kmph)	14	10	10	6	8
Wind Direction(Degree)	70	70	70	110	70
Cloud cover(octa)	5	6	8	7	8

### Weather Summary/Alert:

In the last seven days (20-26 June), the recorded rainfall was 18.8 mm with maximum and minimum temperature ranging 31.6 to 40.0 degree celsius and 23.5 to 29.3 degree celsius. The sky remained clear to cloudy with morning relative humidity at 0712 hrs ranging 70 to 98% and evening relative humidity at 1412 hrs ranging 40 to 85%. The wind speed was 0.9 to 7.1 with wind direction mostly East-North-East and East. The upcoming five days forecast shows light to moderate rainfall varying from 27.06/2023 to 02.07.2023 between 8-20mm. The maximum and minimum temperature would range between 31-34 degree celsius and 24-25 degree celsius. The wind speed during the period would range between 8-14 kmph and direction would predominantly be east and east-north-east.

### General Advisory:

According to the extended range forecast from 23/06/2023 to 06/07/2023 shows normal rainfall in Uttarakhand district with the deviation from normal ranging between -2 to -16%. The mixed NDVI composite map obtained from the India Meteorological Department indicated that the NDVI ranged between 0.2-0.35 that symbolizes moderate agricultural power in the district. As the rainy season is arriving farmers are advised to download "Meghdoot App" to get last week's weather, weather forecast and agrometeorological advice and "Damini App" to get power information. Meghdoot and Damini apps can be downloaded from Google Play Store (Android users) and App Center (iOS users). This will help them in taking right decisions for the suitable farming activities. Monsoon is about to arrive in Uttarakhand district, so do not let the animals get wet in the first rain of monsoon so that they do not have skin related disorders.

### SMS Advisory:

The weather will be cloudy with light to moderate rainfall. Transplanting is about to begin so the farmers should arrange for proper irrigation and drainage.

### Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
RICE	Stage: Nursery Add 2% urea mixed in 0.5% Zn So <sub>4</sub> to the nursery. Gap filling should be done in the nurseries. Application of fertilizers should be done as 1/4 N and full P and K at the time of sowing . If cowdung is being used then apply it 15-20 days earlier and use 1/2 N (10-15 kg). Nursery of basmati and aromatic rice should be completed till 30 June. • Nursery of paddy should be filled with 4-6 cm of water before plucking the seedlings. Plucking of seedlings should be done carefully followed by washing the roots and transplanting of seedlings should be done immediately. • Transplanting of paddy should be done when 4-5 leaves were seen in the seedlings of paddy. This stage comes after 18 days in early maturing varieties and after 20-25 days in medium duration varieties of paddy. • Irrigation should be given in the field before 15 days of puddling. Field should be filled with water before 10-12 hrs of puddling and ploughing should be done 2-3 times. Field should be leveled. • Transplanting should be done after 10-15hrs of puddling. • Transplanting of medium duration variety of paddy should be done in the first week of July and early maturing variety should be completed till third week of July.
MAIZE	Kharif maize: stage: sowing The best time to sow kharif maize is the second fortnight of June. Sow cluster varieties of maize such as Tarun, Naveen, Kiran, Navjot, Pratap Maize-1, Pusa Cluster 3 and 4. Keep the seed rate at 18-20 kg/ha and sow at a distance of 60-75 cm. However, the farming activities should be done keeping the forecast in mind.
SOYABEAN	Stage : sowing In Tarai and Bhavar, the best time for sowing of soybean is from the last week of June to the first week of July. Use improved varieties of soybeans PS-1024, PS1042, PS-1092, PS 1241, PS 1347, PS 1225, PS 19 etc. Keep seed rate at 75kg/ha. Treat the seed with Rhizobium culture.
SUGARCANE	Keeping in view the onset of monsoon, it is advised that proper drainage should be maintained in the field and apply little amount of soil on the surface of the root of sugarcane.
GROUNDNUT	Sowing of groundnut varieties like-Ta 64, Chandra, Kaushal, Prakash, Amber, etc should be completed. Seed rate should be 60-70kg/ha. Line to line and plant to plant distance should be 30-40 cm & 10-20 cm respectively. 20kg Nitrogen, 40kg P <sub>2</sub> O <sub>5</sub> , 45 kg Potash /ha, 200kg Gypsum and 4kg borax should be used as fertilizer.

#### Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
PUMPKIN	Stage : harvesting On the occurrence of yellow spot of irregular shape on cucurbitaceous crops, leaves should be examined by turning and if there is a growth of light gray fungus in the lower portion of leaves then it should be controlled by spraying the solution of Mancozeb @ 2.5 g/ lit. Spraying of chemical should be done keeping in view the weather forecast.
TURMERIC	Stage: Planting Immediately after sowing, mulching @ 125-150 q/ha of dry leaves should be done. Turmeric is a shade-loving plant and gives maximum yield under 50% shade. Do irrigation as per requirement as rain forecast has also been issued.
GINGER	Stage: Planting At the time of sowing of ginger, after covering the rhizomes with soil, it is necessary to cover them with mulch and the thickness of this mulch should be 5-7 cm.
CHILLI	Stage: Harvesting To save the chilly from Thrips, Lambda cyhalothrin 5EC @300ml/Ha or Fipronil 5SC @ 1Liter/Ha should be sprayed and chilly is used after 7 days of spraying of chemicals. Spraying of chemicals should be done by keeping in view the weather forecast
TOMATO	Stage : Harvesting Farmers should harvest the ripened tomato crop. There are chances of occurrence of disease after rainfall so destroy infected plants (when shriveled pitted leaves are visible) to control viral diseases and spray allpurpose insecticides to control sap-sucking insects. Spray Mancozeb 2.5g/l or Copper oxychloride 3.0g/l of water to prevent outbreak of blight. Farmer brothers, keep in mind that spraying should be done keeping the weather forecast in mind.
OKRA/ LADYFINGER	Stage: harvesting Farmers as per the weather forecast should harvest the already ripe okra. After rainfall there are chances of occurrence of white fly which spreads mosaic virus so farmers should pay attention to these conditions.

**Live Stock Specific Advisory:**

<b>Live Stock(Varieties)</b>	<b>Live Stock Specific Advisory</b>
COW	To save the animals from infected disease, vaccination should be done on the recommendation of veterinarian. Don't leave the animal in the monsoonal rain because this may lead the irritation in the skin of animals. Make the necessary arrangements to save the animals during adverse weather. Give deworming to the animals on the recommendation of veterinarian.
BUFFALO	To save the animals from infected disease, vaccination should be done on the recommendation of veterinarian. Don't leave the animal in the monsoonal rain because this may lead the irritation in the skin of animals. Make the necessary arrangements to save the animals during adverse weather. Give deworming to the animals on the recommendation of veterinarian.