



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 : 23-06-2023

Weather Forecast of District UDAMSINGH-NAGAR(Uttarakhand) Issued On : 2023-06-23(Valid Till 08:30 IST of the next 5 days)

Parameter	2023-06-24	2023-06-25	2023-06-26	2023-06-27	2023-06-28
Rainfall(mm)	5.0	25.0	35.0	40.0	10.0
Tmax(°C)	37.0	35.0	34.0	30.0	32.0
Tmin(°C)	25.0	24.0	24.0	24.0	24.0
RH-I(%)	75	80	90	90	85
RH-II(%)	45	45	50	70	55
Wind Speed(kmph)	11	13	12	8	10
Wind Direction(Degree)	70	70	100	70	70
Cloud Cover(Octa)	8	8	8	8	8

Weather Summary/Alert:

In the last seven days (June 16 to 22), the weather was cloudy with a recorded rainfall of 6.6 mm. The maximum and minimum temperatures ranged between 34.5 and 40.1 degrees Celsius and 24.0 to 28.5 degrees Celsius. The relative humidity was found between 67 to 89% at 0712 hrs and 40 to 59% at 1412 hrs in the evening. The wind speed was high during this period ranging 0.9 to 16.3 km/hr while the wind direction was mostly north and north-north-east. According to the five-day forecast thunderstorm accompanied with lightning, very intense to extremely intense shower and gusty wind (wind speed 40-50 kmph) is likely to occur at isolated places on 24, 25 & 26 June, 2023. Similar conditions are predicted for 23 June at few places in the plain region. Light to moderate rainfall has been forecasted from 23-28 June. The maximum and minimum temperature may vary between 30-37 degree Celsius and 24-25 degree Celsius. The wind speed would lie between 8-13 kmph while the wind direction is predicted to be mostly east-north-east. Warning : A red alert has been given for 24, 25 and 26 June when thunderstorm accompanied with lightning, very intense to extremely intense shower and gusty wind (speed: 40-50 kmph). Orange alert for similar conditions has been given for 23 June.

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.

SMS Advisory:

Thunderstorm, lightning, very intense to extremely intense shower and gusty wind (40-50 kmph) is likely to occur on 24,25 &26 June . These conditions might occur on 23 June at few places.

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
RICE	Stage: Nursery Use treated seeds for nursery preparation: Treat the seeds with Carbendazim 50% w.p. @ 2 g/kg. After 12-15 days of nursery preparation , add 2% urea mixed in 0.5% Zn So4. Gap filling should be done in the nurseries. The farming activities should be performed keeping the forecast in mind.
MAIZE	Stage: Spring maize: Harvesting kharif maize: Sowing As the rainfall has been predicted so to avoid spoilage of corns, the harvesting of spring maize should be done before rainfall. 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.
GROUNDNUT	Stage : sowing The best time for groundnut sowing is second fortnight of June. The sowing rate should be 70-75 kg/ha with line to line distance of 30-45 cm and plant to plant of 10-20 cm. Seed treatment needs to be done with 2g Thiaram and 1g Crabendazim 50% W.P. mixture After 5-6 hours, the seeds should be treated with rhizobium culture. The treated seeds should be dried in shade for 2-3 hrs and then sown at 10 a.m. or 4 p.m.
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, PS-1042, PS-1092, PS 1241, PS 1347, PS 1225, PS 19 etc. Keep seed rate at 75kg/ha. Treat the seed with Rhizobium culture.

Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
LITCHI	Stage: harvesting To prevent cracking in Litchi, moisture should be maintained in the field. Harvesting should be done on proper coloration.
PUMPKIN	Stage: Harvesting To control the problem of vine drying in pumpkin crops, cut and destroy the dried vine and irrigate the roots by making a solution of carbendazim at the rate of 0.1% (1 gram per liter). Any farming activities should be done keeping the forecast in mind.
TURMERIC	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	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:

Live Stock(Varieties)	Live Stock Specific Advisory
COW	To reduce the heat outbreak, give the animals oral aqueous solution. To save the animals from infected disease, vaccination should be done on the recommendation of veterinarian. 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.
BUFFALO	To reduce the heat outbreak, give the animals oral aqueous solution. To save the animals from infected disease, vaccination should be done on the recommendation of veterinarian. 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.