



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 : 20-06-2023

Weather Forecast of UDAMSINGH-NAGAR(Uttarakhand) Issued On : 2023-06-20(Valid Till 08:30 IST of the next 5 days)

Parameter	2023-06-21	2023-06-22	2023-06-23	2023-06-24	2023-06-25
Rainfall(mm)	1.0	1.0	1.0	3.0	5.0
Tmax(°C)	38.0	38.0	36.0	35.0	33.0
Tmin(°C)	24.0	24.0	24.0	23.0	21.0
RH-I(%)	70	70	75	75	80
RH-II(%)	30	30	40	40	50
Wind Speed(kmph)	12	8	10	10	10
Wind Direction(Degree)	70	90	135	100	110
Cloud cover(octa)	3	5	7	7	8

Weather Summary/Alert:

In the last seven days (June 13 to 19), the weather was cloudy for few days with a recorded rainfall of 1.0 mm. The maximum and minimum temperatures ranged between 38.5 and 40.4 degrees Celsius and 24.0 to 26.5 degrees Celsius. The relative humidity was found between 50 to 84% at 0712 hrs and 30 to 38% at 1412 hrs in the evening. The wind speed was high during this period ranging 3.8 to 16.3 km/hr while the wind direction was mostly north-north-east. According to the five-day forecast very light to light rain/thunderstorm at isolated places on 21st & 22nd June, 2023 while light to moderate rain/thunderstorm is very likely to occur at a few places in plains on 24th June. Light to moderate rain/thunderstorm very likely to occur at many isolated places in plains on 23rd June. The maximum and minimum temperature during the period would vary 33.0-38.0 degrees Celsius and 21.0-24.0 degree Celsius. The wind speed would lie between 8-12 kmph and wind direction would mostly be east-north-east and east-south-east. Warning: An orange alert has been raised for 23 and 24 June where thunderstorm accompanied with lightning, intense shower and gusty wind (wind speed 40-50 kmph) is likely to occur at isolated places in Uttarakhand.

General Advisory:

According to the extended range forecast, the predicted trend showed deficient rainfall with a deviation of 100% from the normal in US Nagar region of Uttarakhand. 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. 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).

SMS Advisory:

Alert has been issued for 23 and 24 June when thunderstorm accompanied with lightning, intense shower and gusty wind (wind speed 40-50 kmph) might occur at isolated places in Uttarakhand.

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
RICE	Stage: Nursery Seedlings of early ripening varieties of paddy, Govind, Narendra 118, Narendra 97, Saket 4, etc., should be sown till June 20. Aromatic Paddy Varieties-Type 3, Tarawadi Basmati, Pusa Basmati-1, Basmati-370, Pant Sugandh Paddy 15, Pant Sugandh Paddy-17, Pant Sugandh Paddy- 21, Pusa Sugandh-2, Pusa Sugandh-3, Pusa Sugandh-4 Pusa-1121, Pusa Sugandh-5, P.R.H. should be transplanted between 15th to 30th June. Paddy seedlings can be prepared by wet and dry method. In wet method, apply water in the planting area 15-20 days before so that the weeds may germinate and get mixed in the field while preparing the field. Prepare the field by adding the above manure with dry method and sowing should be done @500 grams of seeds per 10 square meters in rows at a distance of 5-10 cm and apply water after sowing. Treat the seeds with Carbendazim 50% w.p. @ 2 g/kg. Use shade nets to protect the paddy beds from extreme sunlight.
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.
GREEN GRAM	Stage: Harvesting Pluck the moong crop as soon as it is ripe. Do not delay the harvesting, otherwise the grains fall to the ground due to the crackling of beans. As soon as 80 percent of the beans of moong are ripe, pluck the beans and turn the green plants into green manure in the field itself. Any farming activities should be done keeping the forecast in mind.
BLACK GRAM	Stage: Harvesting Pluck the urad crop as soon as it is ripe. Do not delay the harvesting, otherwise the grains fall to the ground due to the crackling of beans. As soon as 80 percent of the urad beans are ripe, break the beans and turn the green plants into green manure in the field itself. Any farming activities should be done keeping the forecast in mind.

Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
PEACH	Stage: Harvesting The peach, plum and pear should be plucked and the field should be irrigated. Any farming activities should be done keeping the forecast in mind.
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.
GINGER	Stage: planting Complete the sowing of short and medium duration varieties of ginger as soon as possible under rainfed conditions.
TURMERIC	Stage: planting Complete the sowing of turmeric as soon as possible under rainfed conditions.
CHILLI	Stage: Harvesting To prevent the problem of drying of stalks from the top of the chilli crop, break and remove the infected branches and spray carbendazim solution at the rate of 0.1 percent. Spray chemicals keeping in mind the weather forecast. Any farming activities should be done keeping the forecast in mind.
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 all-purpose 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	Vaccinate the animals against tetanus, enterotoxemia and Hemorrhagic Septicemia. To protect the animals from excessive heat using shady trees. To avoid the insufficiency of fodder, the farmers should store the fodder for such times. To avoid deficiency of important nutrients, sufficient amount of salt mixture along with the fodder should be provided.
BUFFALO	Animals between two to four months of age should be vaccinated against black leg/black quarter (BQ). Buffaloes should be kept for wallowing in water.