



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 : 16-06-2023

Weather Forecast of District UDAMSINGH-NAGAR(Uttarakhand) Issued On : 2023-06-16(Valid Till 08:30 IST of the next 5 days)

Parameter	2023-06-17	2023-06-18	2023-06-19	2023-06-20	2023-06-21
Rainfall(mm)	0.0	2.0	8.0	10.0	8.0
Tmax(°C)	39.0	37.0	35.0	35.0	36.0
Tmin(°C)	23.0	24.0	25.0	23.0	22.0
RH-I(%)	70	70	75	75	70
RH-II(%)	30	30	30	30	30
Wind Speed(kmph)	14	14	14	14	12
Wind Direction(Degree)	230	230	110	90	70
Cloud Cover(Octa)	1	3	4	2	1

Weather Summary/Alert:

In the last seven days (June 9 to 15), the weather has been clear with a recorded rainfall of 0.0 mm. The maximum and minimum temperatures ranged between 38.6 and 40.8 degrees Celsius and 21.3 to 26.0 degrees Celsius. The relative humidity was found between 44 to 67% at 0712 hrs and 22 to 33% at 1412 hrs in the evening. The wind speed was high during this period ranging 3.4 to 16.3 km/hr while the wind direction was mostly north and north-north-east. According to the five-day forecast light drizzle is expected on 17th at isolated places of Uttarakhand plains. Light to moderate rainfall is expected on 18,19 and 20 June at most places of Uttarakhand. Cloudy conditions may prevail during the period. The expected maximum and minimum temperatures will be 35.0-39.0 degrees Celsius and 22.0-25.0 degrees Celsius. According to the forecast, the wind speed will be 12-14 km/hr and the wind direction will be easterly and south-westerly. Warning: As per the forecast there might be occurrence of light drizzle on 17 June at isolated places in plains of Uttarakhand . An alert has been issued for 18 and 19 June regarding the likely occurrence of thunderstorm accompanied with lightning, intense shower and squall (wind speed 60-70 kmph gusting upto 80 kmph)at isolated places in Uttarakhand. Dry weather may prevail during the rest period.

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:

On 17th, light drizzle is expected in isolated places of Uttarakhand plains while on 18,19 and 20 June light to moderate rainfall is expected on at most places of 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 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. Any farming activities should be done keeping the forecast in mind.
PIGEON PEA (RED GRAM/ARHAR)	Stage: sowing To maintain the condition of sowing of wheat, early maturing species of pigeon pea should be sown by mid-June. Before sowing, the seeds should first be treated with 8 g/kg biocontroller trichoderma powder and then seed treatment with rhizobium and PSB biofertilizers. Any 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
BRINJAL	Stage: Sowing This is the right time to sow and plant round eggplant. Planting should be done in the evening. The distance from the queue to the queue is 75 cm. And the distance from the plant to the plant is 60-75 cm. Should be enough. The already ready one round of brinjal crop should be harvested.
LEMON	Stage: Sowing Fill the pits to plant a new lemon garden.
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.
TURMERIC	Stage: planting Complete the sowing of short and medium duration varieties of turmeric as soon as possible.
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.

Horticulture(Varieties)	Horticulture Specific Advisory
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.