



**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 : 13-06-2023

Weather Forecast of District UDAMSINGH-NAGAR(Uttarakhand) Issued On : 2023-06-13(Valid Till 08:30 IST of the next 5 days)

Parameter	2023-06-14	2023-06-15	2023-06-16	2023-06-17	2023-06-18
<b>Rainfall(mm)</b>	0.0	5.0	2.0	0.0	1.0
<b>Tmax(°C)</b>	39.0	38.0	37.0	37.0	38.0
<b>Tmin(°C)</b>	24.0	24.0	23.0	23.0	24.0
<b>RH-I(%)</b>	70	75	75	70	70
<b>RH-II(%)</b>	30	30	30	30	30
<b>Wind Speed(kmph)</b>	12	15	12	12	12
<b>Wind Direction(Degree)</b>	290	230	230	230	230
<b>Cloud Cover(Octa)</b>	0	2	1	0	3

**Weather Summary/Alert:**

In the last seven days (June 6 to 12), the weather has been mostly clear. The recorded rainfall was 0.0 mm. The maximum and minimum temperatures remained between 38.5 and 40.2 degrees Celsius and 20.4 to 25.5 degrees Celsius. The relative humidity was found between 44 to 66% at 0712 hrs and 21 to 33% at 1412 hrs in the evening. The wind speed during this period was 3.3 to 7.5 km/hr while the wind direction was mostly north-northeast. According to the five-day forecast light drizzle is expected on 14th, 15th and 17th June. Cloudy conditions are expected to prevail on most days. The expected maximum and minimum temperatures will be 37.0-39.0 degrees Celsius and 23.0-24.0 degrees Celsius. According to the forecast, the wind speed will be 12-15 km/hr and the wind direction will be southwesterly. Warning: As per the forecast there might be occurrence of light drizzle on 14 June in few places of US Nagar. An alert has been declared for 14 June where a thunderstorm accompanied by lightning and squall (60-70 kmph) might occur at isolated places of US Nagar. Similar conditions may continue to occur on 13 & 17 June. Dry weather may prevail during the rest period.

**General Advisory:**

According to the extended range forecast, the predicted trend shows that there will be a large decrease in rainfall in the US Nagar district and an additional departure (20-59%) of rainfall from normal. The mixed NDVI composite map obtained from the India Meteorological Department indicated that the NDVI between 0.2-0.35 for Udham Singh Nagar i.e. agricultural power in the district is moderate. Farmers are advised to download "Meghdoot App" to get last week's weather, weather forecast and agro-meteorological 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:**

As per the forecast there is an alert of likely occurrence of thunderstorm accompanied with lightning, intense shower and squall (60-70 kmph upto 80) at isolated places of the district on 14 June.

**Crop Specific Advisory:**

Crop(Varieties)	Crop Specific Advisory
RICE	Early maturing varieties of paddy such as Govind, Narendra 118, Narendra 97, Saket 4, etc. should be planted by June 20. Aromatic Rice Varieties - Type 3, Tarawadi Basmati, pusa basmati-1, basmati-370, pant sugandha paddy-15, pant sugandh paddy-17, pant sugandh paddy-21, pusa sugandh-2, pusa sugandha-3, pusa sugandha-4, pusa-1121, pusa sugandha-5, PRH-10 etc. from June 15 to June 30. Paddy plants can be prepared by wet and dry method. In the wet method, water the plant area 15-20 days in advance so that the weeds germinate and get mixed in the field while preparing the field. In dry method, prepare the field by adding the fertilizer and sowing should be done in lines at 5-10 cm distance. Seed rate should be kept at the rate of 500 grams per 10 square meters and after sowing water should be applied to the field. Use a shadenet to avoid money beds when there is more sunlight.
PIGEON PEA (RED GRAM/ARHAR)	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 bio-fertilizers. Any farming activities should be done keeping the forecast in mind.
MAIZE	The best time to sow kharif maize is the first 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.
GREEN GRAM	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	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	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	Fill the pits to plant a new lemon garden.
PEACH	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	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.
CHILLI	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.
TURMERIC	Sowing of short and medium duration varieties of turmeric should be done by June 15. The distance from row to row in flat beds is 30 cm and between tuber is 20-25 cm.
GINGER	The sowing of ginger should be completed till 15 June and the moisture of the field should be maintained using mulch practice.

**Live Stock Specific Advisory:**

Live Stock(Varieties)	Live Stock Specific Advisory

<b>Live Stock(Varieties)</b>	<b>Live Stock Specific Advisory</b>
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.