



**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 : 10-06-2022

Weather Forecast of District UDAMSINGH-NAGAR(Uttarakhand) Issued On : 2022-06-10(Valid Till 08:30 IST of the next 5 days)

Parameter	2022-06-11	2022-06-12	2022-06-13	2022-06-14	2022-06-15
Rainfall(mm)	0.0	1.0	1.0	0.0	0.0
Tmax(°C)	40.0	39.0	39.0	40.0	40.0
Tmin(°C)	26.0	26.0	27.0	27.0	27.0
RH-I(%)	70	75	75	70	70
RH-II(%)	30	30	35	35	35
Wind Speed(kmph)	10.0	12.0	12.0	12.0	12.0
Wind Direction(Degree)	130	320	250	250	320
Cloud Cover(Octa)	2	2	2	3	1

### Weather Summary/Alert:

In the last seven days (3 – 9 June, 2022), there was 0.0 mm rain and the sky was Clear to cloudy. The maximum & minimum temperatures ranged between 39.1 to 41.0°C and 23.3 to 28.4°C respectively. Relative humidity ranges from 53 to 74 % at 0712 hrs and 22 to 36 % at 1412 hrs. The wind was mainly from the WSW, WNW, ENE & ESE with a speed of 4.3 to 6.7 km/hour. In the coming five days, very light rain may likely occur on 11 & 12 June otherwise weather will remain clear. Maximum & minimum temperature may range from 39.0 to 40.0 deg C & 26.0 to 27.0 deg C respectively. Wind will blow with a speed of 10.0-12 km/hr from the SE, NW & WSW direction. As per ERF, the rainfall, maximum & minimum temperature will be normal in the state from 15 to 21 June.

### General Advisory:

NDVI & SPI map received from the India Meteorological Department dated indicated that the NDVI ranged between 0.1-0.4 for Udham Singh Nagar i.e. agriculture vigor is moderate in the district. SPI map indicates the mildly wet conditions in the district for the past 4 weeks. Farmers are advised to download the "Meghdoot App" to get past week weather, weather forecast, and agromet advisory and "Damini App" to get lightning information. Meghdoot and Damini Apps can be downloaded from the google play store (Android users) and App Center (IOS users).

### SMS Advisory:

In the coming five days, very light rain may likely occur on 11 & 12 June otherwise weather will remain clear. Farmers should irrigate the crops as per the requirement.

### Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
RICE	(1) Paddy nursery is prepared in the month of June. Preparation of nursery for mid duration variety of paddy like - Narendra-359, Pant dhan-18, HKR-147, PR-113 etc should be completed. (2) Direct sowing of paddy can be done in the first fortnight of June. For this, choose medium duration varieties of paddy. Keep the seed rate at 60-70 kg/ha and sow the seeds in rows at a distance of 18-22 cm. Apply Pendimethalin 1.0 kg active ingredient per hectare within 2 days of sowing. With this method we can save 20% of water & the cost of transplanting also and crop is ripen 7-10 days before.
MAIZE	MAIZE The best time for sowing maize is the first fortnight of June. Sow sankul varieties of maize like Tarun, Naveen, Kiran, Navjot, Pratap Makkah-1, Pusa Sankul 3 and 4. Keep seed rate at 18-20 kg/ha and sow at a distance of 60-75 cm. After germination, make the distance from plant to plant 20-25 cm by rarefaction.
PIGEON PEA (RED GRAM/ARHAR)	PIGEON PEA (RED GRAM/ARHAR) In the month of June, early varieties of pigeon pea/tur like- UPAM. 120, Pant Arhar 291 can be sown till the mid of the month.
GREEN GRAM	GREEN GRAM Harvest the moong crops immediate after maturing. Don't delay in the harvesting otherwise grains will fall after cracking of pods. As soon as 80 percent of the moong beans are matured, pluck the beans & turn the green plants in the field as green manure.
BLACK GRAM	BLACK GRAM Harvest the urd crop immediate after maturing. Don't delay in the harvesting otherwise grains will fall after cracking of pods. Plucking of pods should be done after maturing of 80% pods of urd and turn the green plants in the field as green manure.

#### Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
PUMPKIN	To control the dryness of the liana in cucurbitaceous crops, destroy the dry liana after cutting them and roots of crops should be irrigated with the solution of 0.1% Carbendazim (1g/liter).
CHILLI	If the upper stipe of chilly crop is drying after turning black, then infected branches should be removed by plucking to save the crop and solution of 0.1% Carbendazim should be sprayed.
TOMATO	On the occurrence of fruit borer in the Tomato, fruit should be used only after 3 days and 5 days of spraying of Chlorantraniliprole 18.5 SC @ 150ml/Ha and Indoxacarb 14.5 SC @ 500ml/ha respectively.
BRINJAL	To control the stem and fruit borer in brinjal, spraying of Emamectin benzoate 5SG @ 200g/Ha, Cypermethrin 25EC @200ml/Ha, Lambda cyhalothrin 5CS @ 300ml/Ha should be done and fruit should be used after 5 days of last spraying of chaemicals.

#### Live Stock Specific Advisory:

Live Stock(Varieties)	Live Stock Specific Advisory
BUFFALO	Animals between two to four months of age should be vaccinated against black leg/black quarter (BQ). If animal has taken the cyanide affected fodder then water should not be given to them. Animals should be kept away from grazing the less grown jawar, bajara, fodder in pasture. Small shrival/fade yellow stiff plants should not be used as fodder for animals to save them from cyanide.
COW	Vaccinate the animals against tetanus, enterotoxemia and Hemorrhagic Septicemia. Due to excessive heat, the animal does not eat much fodder, so increase the amount of grain in their food and giving about 50 grams of mineral mixture daily does not affect reproduction.

#### Others (Soil / Land Preparation) Specific Advisory:

<b>Others (Soil / Land Preparation)(Varieties)</b>	<b>Others (Soil / Land Preparation) Specific Advisory</b>
GENERAL ADVICE	To save the fruits from June drop, mulching should be used in the basins to conserve the moisture in the field.