



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 : 21-09-2021

Weather Forecast of UDAMSINGH-NAGAR(Uttarakhand) Issued On : 2021-09-21(Valid Till 08:30 IST of the next 5 days)

| Parameter | 2021-09-22 | 2021-09-23 | 2021-09-24 | 2021-09-25 | 2021-09-26 |
|------------------------|------------|------------|------------|------------|------------|
| Rainfall(mm) | 2.0 | 8.0 | 1.0 | 5.0 | 5.0 |
| Tmax(°C) | 34.0 | 34.0 | 33.0 | 34.0 | 33.0 |
| Tmin(°C) | 25.0 | 24.0 | 23.0 | 23.0 | 24.0 |
| RH-I(%) | 85 | 80 | 85 | 85 | 90 |
| RH-II(%) | 60 | 60 | 55 | 55 | 55 |
| Wind Speed(kmph) | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 |
| Wind Direction(Degree) | 140 | 140 | 130 | 130 | 100 |
| Cloud Cover(Octa) | 5 | 6 | 3 | 3 | 5 |

Weather Summary/Alert:

In the last seven days (14 – 20 September 2021), there was 1.6 mm rain and the sky was cloudy to dense cloudy. The maximum & minimum temperatures ranged between 29.0 to 35.0°C and 24.4 to 25.9°C respectively. Relative humidity ranges from 86 to 92 % at 0712 hrs and 58 to 85 % at 1412 hrs. The winds run mainly from the ENE & ESE with a speed of 1.9 to 4.9 km/hour. In the coming five days, very light to light rain may occur at some isolated places. Maximum & minimum temperature may range from 33.0 to 34.0 deg C & 23.0 to 25.0 deg C respectively. Wind will blow with a speed of 8.0 km/hr from the SE direction. As per ERFIS products rainfall & minimum temperature will be above normal and maximum temperature will be normal from 26 September - 2 October in the state.

General Advisory:

NDVI & SPI map received from the India Meteorological Department dated indicated that the NDVI ranged between 0.35-0.55 for U S Nagar i.e. agriculture vigor is moderate to good in the district. SPI map indicates the mildly wet conditions in the district for the past 4 weeks. To control the yellow stem borer on rice crop, after 50 days of transplanting, chlorantraniliprole 20 SC (Coragen) @ 150 ml/ha or fipronil 5 SC @ 1000ml/ha should be sprayed in clear weather. Farmers should spray chemicals keeping in mind the weather forecast.

SMS Advisory:

In the coming five days, very light to light rain may occur at some isolated places. Farmers should harvest the crops by keeping in view the weather forecast.

Crop Specific Advisory:

| Crop(Varieties) | Crop Specific Advisory |
|------------------------|---|
| RICE | In the current season, the outbreak of blast disease is being seen in the paddy crop, therefore, to control the blast disease, spray Carbendazim 50 WP (Bavistin) @ 1000 grams / hectare during clear weather. |
| RAPESEED | Sowing of Rapeseed (Toriya / Lahi) in the plain area should be done in this second fortnight of September as soon as time is available and keeping in mind the weather forecast. |
| SUGARCANE | Sowing of winter season sugarcane crop should be done. |
| MAIZE | To avoid harm from the birds, the sound should be played by beating a tin with wood. Nowadays, farmers can also save the crop from bird by applying red-colored fire reflective tape which are available in the market at an interval of 15-20 feet at a height of 1 foot from the field. Its cost comes to around Rs 1500-2000 per hectare. In this, due to the brightness of the lights during the day, the birds feel the fire and there is also a sound due to the collision of the wind. |

Horticulture Specific Advisory:

| Horticulture(Varieties) | Horticulture Specific Advisory |
|--------------------------------|--|
| AONLA | For proper growth and good quality of fruits of Amla (Gooseberry), Borex @200-250g/ tree basin may be applied |
| COLOCASIA/ TARO | In the case of Phytophthora blight, irrigate the roots with Ridomil MZ @ 2 g/L of water. Spray the same on the leaves. |

Live Stock Specific Advisory:

| Live Stock(Varieties) | Live Stock Specific Advisory |
|------------------------------|---|
| COW | After 15 days of the birth of the calves, calcium, magnesium, phosphorus, zinc, iron, iodine, copper elements should be given in the form of a salt mixture or mineral drops. Due to their deficiency, the cows start eating the soil, due to which they become infected with roundworms and coccidiosis disease. |