



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 : 26-07-2022

Weather Forecast of District UDAMSINGH-NAGAR(Uttarakhand) Issued On : 2022-07-26(Valid Till 08:30 IST of the next 5 days)

| Parameter | 2022-07-27 | 2022-07-28 | 2022-07-29 | 2022-07-30 | 2022-07-31 |
|------------------------|------------|------------|------------|------------|------------|
| Rainfall(mm) | 1.0 | 15.0 | 30.0 | 12.0 | 10.0 |
| Tmax(°C) | 32.0 | 31.0 | 29.0 | 29.0 | 28.0 |
| Tmin(°C) | 26.0 | 25.0 | 25.0 | 24.0 | 24.0 |
| RH-I(%) | 85 | 95 | 95 | 95 | 95 |
| RH-II(%) | 60 | 65 | 65 | 70 | 70 |
| Wind Speed(kmph) | 12.0 | 8.0 | 8.0 | 8.0 | 8.0 |
| Wind Direction(Degree) | 130 | 130 | 130 | 130 | 130 |
| Cloud Cover(Octa) | 7 | 8 | 8 | 8 | 8 |

Weather Summary/Alert:

In the last seven days (19 – 25 July, 2022), there was 41.2 mm rain and the sky was Cloudy to dense cloudy. The maximum & minimum temperatures ranged between 28.0 to 36.0°C and 25.8 to 27.9°C respectively. Relative humidity ranges from 66 to 93 % at 0712 hrs and 58 to 82 % at 1412 hrs. The wind was mainly from the ENE & ESE with a speed of 3.4 to 9.9 km/hour. In the coming five days, moderate rain on 28 July and light rain on remaining days may occur. Maximum & minimum temperature may range from 28.0 to 32.0 deg C & 24.0 to 26.0 deg C respectively. Wind will blow with a speed of 8.0-12.0 km/hr from the ESE direction. Warning: Heavy to very heavy rainfall likely to occur at isolated places on 28 July. As per ERF, the rainfall will be below normal and maximum & minimum temperature will be normal in the state from 31 July to 7 August.

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 (16 June to 13 July). 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). Rain water should not be given to the animals.

SMS Advisory:

In the coming five days, moderate rain on 28 July and light rain on remaining days may occur. Maintain proper drainage system in the field . Warning: Heavy to very heavy rain at isolated places.

Crop Specific Advisory:

| Crop(Varieties) | Crop Specific Advisory |
|--------------------------|--|
| RICE | Transplanting of paddy should be completed in this month. For transplanting of paddy, row to row and plant to plant distance should be 20cm and 10 cm respectively. Again transplant paddy in place of dead plants within 10 days of the transplanting. |
| SESAME (GINGELLY/TIL) | Sow sesame seeds in the second fortnight of the month keeping in mind the weather forecast. |
| BLACK GRAM | Sowing of urd should be done by keeping in mind the weather forecast. |
| GREEN GRAM | Sowing of green gram should be done in the second fortnight of the month keeping in mind the weather forecast. |
| SUGARCANE | Keeping in view the forecast of light to moderate rain, it is advised that proper drainage should be maintained in the field. On the occurrence of mealy bugs in sugarcane crop, spray monocrotophos 36 SL @ 1500ml/ha in 500-1000 lit of water/ha according to crop canopy. |

Horticulture Specific Advisory:

| Horticulture(Varieties) | Horticulture Specific Advisory |
|-------------------------|---|
| TOMATO | On the occurrence of spot on the leaves of tomato and scorching of leaves, solution of mancozeb @ 2.5 g/lit of water should be sprayed. Spraying of chemical should be done in clear weather. |
| CAULIFLOWER | Keeping in view the monsoon season, proper drainage should be arranged in the field where early variety of Cauliflower transplanted followed by weeding and hoeing. If seedlings of cauliflower are ready in the nursery, then plant them in row to row at 45 cm and plant to plant distance 45 cm. |
| CHILLI | Transplanting of Chilly may be done on the ridge with row to row and plant to plant distance of 50cm and proper drainage should be made because excess amount of water for about 24 hours in the field dried up the crop. To control the virus disease by white fly, spray mixture of payriproxifen 4 and Fenpropathrin 15 EC @ 750 ml/hac and do not repeat the same chemical in second spray. |
| MANGO | In fruiting trees, 50 g of nitrogen per year of tree age should be given. According to this maximum 500 g nitrogen for 10 year or after that i.e. 1.1 kg urea/tree should be applied after plucking the fruit. |

Live Stock Specific Advisory:

| Live Stock(Varieties) | Live Stock Specific Advisory |
|-----------------------|--|
| GOAT | Small ruminant animals like sheep, goats and newborn calves should be protected from getting wet during rainy days so that they do not get cold/cough/pneumonia. |
| BUFFALO | July month is highly favourable for cattles' delivery. So, it is recommended that their dwelling place should be clean and hygienic. Just after delivery, tie the navel of new born baby of cattle by cutting it with sharp and clean knife, then apply Gentian violet paint or tincture iodine. After animal's delivery, Gynotone or Utrotone medicine @ 200ml should be given in morning and evening hours for three days to clean the womb. |