



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 : 29-07-2022

Weather Forecast of District UDAMSINGH-NAGAR(Uttarakhand) Issued On : 2022-07-29(Valid Till 08:30 IST of the next 5 days)

Parameter	2022-07-30	2022-07-31	2022-08-01	2022-08-02	2022-08-03
Rainfall(mm)	8.0	15.0	20.0	25.0	40.0
Tmax(°C)	31.0	30.0	31.0	30.0	32.0
Tmin(°C)	26.0	25.0	24.0	25.0	25.0
RH-I(%)	95	95	95	95	95
RH-II(%)	65	65	65	60	60
Wind Speed(kmph)	6.0	6.0	8.0	8.0	8.0
Wind Direction(Degree)	130	270	230	70	100
Cloud Cover(Octa)	8	8	7	8	7

Weather Summary/Alert:

In the last seven days (22 – 28 July, 2022), there was 15.8 mm rain and the sky was Cloudy to dense cloudy. The maximum & minimum temperatures ranged between 27.5 to 35.0°C and 25.4 to 27.9°C respectively. Relative humidity ranges from 66 to 93 % at 0712 hrs and 58 to 92 % at 1412 hrs. The wind was mainly from the ENE & ESE with a speed of 2.9 to 9.9 km/hour. In the coming five days, light to moderate rain may occur. Maximum & minimum temperature may range from 30.0 to 32.0 deg C & 24.0 to 26.0 deg C respectively. Wind will blow with a speed of 6.0-8.0 km/hr from the ESE, W, SW & E direction. Warning: Heavy rainfall likely to occur at isolated places on 1 & 2 August. As per ERF, the rainfall will be below normal and maximum & minimum temperature will be moderately above normal in the state from 7 to 14 August.

General Advisory:

NDVI & SPI map received from the India Meteorological Department dated indicated that the NDVI ranged between 0.2-0.4 for Udham Singh Nagar i.e. agriculture vigor is moderate in the district. SPI map indicates the mildly dry conditions in the district for the past 4 weeks (30 June to 27 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. In case of heavy rainfall, it is advised that proper drainage should be made from the basins of fruit plant.

SMS Advisory:

In the coming five days, light to moderate rain may occur. Maintain proper drainage system in the field . Warning: Heavy rain at isolated places on 1, 2 August.

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
BLACK GRAM	Pulse crops like urd, moong and lobia should be sown in the plain area of tarai-bhawa which is free from water logging till first week of August by keeping in view the weather forecast. Urd varieties like Pant urd-31, Pant urd-40, Pant urd-35, Uttara should be sown in lines at 30 cm distance & at 3-4 cm depth. Seed rate should be kept 12-15 kg/ha. Seed should be treated with fungicide and rhizobium culture before sowing.
RICE	• Within 2-3 days of transpire of water from the surface of paddy field, irrigation upto 5.7 cm should be done. Weeding should be done at 20 and 40 days of transplanting. If availability of human labour is less, 3.0 lit butachlor 50 EC or 1.65 lit anilofos 30 EC or 1.5 lit pretilachlore 50 EC should be sprayed in 500 lit of water within 2-3 days of transplanting. Proper moisture should be available in the field while using the chemicals.
MAIZE	In late case of maize, sowing can be done till first week of August by keeping in view 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
PUMPKIN	On the occurrence of yellow-brown spot in the leaves of cucurbitaceous crops, solution of mancozeb @ 2.5 g/ lit of water should be sprayed by keeping in view the weather forecast.
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.
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.

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	After animal's delivery, Gynotone or Utrotone medicine @ 200ml should be given in morning and evening hours for three days to clean the womb.
COW	After animal's delivery, Gynotone or Utrotone medicine @ 200ml should be given in morning and evening hours for three days to clean the womb.