



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 : 10-08-2021

Weather Forecast of UDAMSINGH-NAGAR(Uttarakhand) Issued On : 2021-08-10(Valid Till 08:30 IST of the next 5 days)

Parameter	2021-08-11	2021-08-12	2021-08-13	2021-08-14	2021-08-15
Rainfall	5.0	12.0	20.0	25.0	20.0
Tmax(°C)	34.0	35.0	35.0	34.0	33.0
Tmin(°C)	24.0	24.0	24.0	25.0	25.0
RH-I(%)	90	90	95	95	90
RH-II(%)	60	65	70	65	65
Wind Speed(kmph)	10.0	12.0	12.0	12.0	12.0
Wind Direction(Degree)	220	230	240	250	250
Cloud Cover(Octa)	5	6	6	5	2

Weather Summary/Alert:

In the last seven days (3 – 9 August, 2021), there was 25.2 mm rain and the sky was cloudy to dense cloudy. The maximum & minimum temperatures ranged between 33.0 to 35.5°C and 25.9 to 26.9°C respectively. Relative humidity ranges from 79 to 86 % at 0712 hrs and 58 to 65 % at 1412 hrs. The winds run mainly from the ESE & ENE with a speed of 3.1 to 11.9 km/hour. Light to moderate rain may likely occur in the coming five days. Maximum & minimum temperature may range from 33.0 to 35.0 deg C & 24.0 to 25.0 deg C respectively. Wind will blow with a speed of 10.0-12.0 km/hr from the WSW direction. As per ERFIS products, rainfall will be below normal and maximum & minimum temperature will be normal from 15 - 21 August in the state.

General Advisory:

In view of the second wave of Corona (Covid-19), the farmers are advised to follow the guidelines given by the Government of India, personal hygiene, use of masks, washing hands at appropriate intervals during agricultural operations. NDVI & SPI map received from the India Meteorological Department dated indicated that the NDVI ranged between 0.20-0.35 for Nainital i.e. agriculture vigor is moderate in the district. SPI map indicates the mildly wet conditions in the district for the past 4 week. Farmers are advised to download "Meghdoot" and "Damini" mobile apps on their smartphones from Google Play Store for free to get timely weather forecasts and district-wise Agromet advisory bulletins and lightning information.

SMS Advisory:

Light to moderate rain may likely occur in the coming five days.

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
RICE	In the paddy field, within 2-3 days after water disappears from the surface, 5-7 cm irrigation should be done before the field cracks. Irrigation should be done keeping in mind the weather forecast. In case of yellow stem borer infestation in paddy, apply Chlorantraniliprole 0.4 G @ 10 kg/ha or Fipronil 0.3 GR @ 25 kg/ha by keeping 2 inches of water in the field within 50 days of transplanting.
MAIZE	In maize, two weeding and hoeing should be done 20 to 25 days after sowing.
SOYABEAN	In soybean, do weeding twice at an interval of 20-25 days from sowing.
SUGARCANE	In the first fortnight of August, tie 5-6 canes of each row together with dry leaves at a height of one and a half to two feet from the ground. Due to excessive rain and strong winds, sugarcane does not fall. If there is no rain for a long time, then apply light irrigation to maintain moisture in the field.

Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
BOTTLE GOURD	If there is an infestation of fruit fly in bottle gourd, it can be reduced by using pheromone traps.
BRINJAL	On the occurrence of whitefly in brinjal, thiamethoxam 25 WDG 200ml/500lit water/ha or pyriproxyfen 5 +fenprothrin 15 EC @ 700ml/500lit water/ha should be sprayed. Spraying of chemicals should be done in clear weather.
MANGO	Drying up the leaves in the Mango tree is mainly due to waterlogging in the field. So, make proper arrangements for drainage. Waterlogging in the initial years of mango establishment is very harmful. When the field becomes Water-free/dry (but having appropriate moisture content) use recommended dose of fertilizers in the tree basin according to the age of plants.
GUAVA	On the infestation of scale insects in guava trees, spray Imidacloprid 17.8 SL 2ml/5 liter of water or Thiamethoxam 25 WDG 2gm/5liter of water. Spraying of chemicals should be done in clear weather.

Live Stock Specific Advisory:

Live Stock(Varieties)	Live Stock Specific Advisory
COW	At the age of one month, give the dose of piperazine @ 1 ml per kg body weight to the newborn calf/calves.