



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 : 23-09-2022

Weather Forecast of District UDAMSINGH-NAGAR(Uttarakhand) Issued On : 2022-09-23(Valid Till 08:30 IST of the next 5 days)

Parameter	2022-09-24	2022-09-25	2022-09-26	2022-09-27	2022-09-28
Rainfall(mm)	1.0	15.0	20.0	15.0	10.0
Tmax(°C)	33.0	32.0	31.0	31.0	31.0
Tmin(°C)	23.0	22.0	22.0	22.0	23.0
RH-I(%)	90	95	95	95	90
RH-II(%)	60	60	65	65	60
Wind Speed(kmph)	10.0	14.0	14.0	10.0	6.0
Wind Direction(Degree)	90	90	100	130	110
Cloud Cover(Octa)	7	7	8	6	3

Weather Summary/Alert:

In the last seven days (16 – 22 Sept, 2022), there was 214.4 mm rain and the sky was Cloudy to dense cloudy. The maximum & minimum temperatures ranged between 25.0 to 33.5°C and 22.8 to 25.7°C respectively. Relative humidity ranges from 83 to 95 % at 0712 hrs and 68 to 97 % at 1412 hrs. The wind was mainly from the ENE, ESE & N with a speed of 0.1 to 6.4 km/hour. In the coming five days, light to moderate rain may likely occur. Maximum & minimum temperature may range from 31.0 to 33.0 deg C & 22.0 to 23.0 deg C respectively. Wind will blow with a speed of 6.0-14.0 km/hr from the E, SE & ESE direction. Warning: Heavy to very heavy rainfall with thunderstorm/lightning with intense shower likely to occur at isolated places (up to 25 % area) from 24 to 26 September. As per ERF, rainfall, maximum & minimum temperature will be normal in the state from 28 Sept to 4 October.

General Advisory:

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). NDVI map received from the India Meteorological Department dated indicated that the NDVI ranged between 0.3-0.5 for Udham Singh Nagar i.e. agriculture vigor is moderate to good in the district and crop stress is not observed during that period in the districts. Keeping in view the rainfall forecast farmers should postpone irrigation in crops for now and maintain proper drainage system in the field. As per ERF, rainfall, maximum & minimum temperature will be normal in the state from 28 Sept to 4 October, so farmers can do necessary agricultural operation in their field during that period.

SMS Advisory:

In the coming five days, light to moderate rain may likely occur. Keeping in view the warning of heavy to very heavy rain, farmers are advised to maintain proper drainage system in the field.

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
RICE	On the occurrence of Brown or white hopper in the crop, use Clothianidin 50 WG @ 1000ml/ha and if there is a stem borer with hopper then, Fipronil 5 SC @ 1000ml/ha should be used. Spraying of chemical should be done by keeping in view the weather forecast.
SUGARCANE	Remove the plants suffering from smut or Kanduva and red rot disease and burn them outside the field.
CARROT	In tarai region, sowing of carrots should be done in this month and in plains farmers can sow Asian and European varieties of carrots.

Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
BRINJAL	On the occurrence of white fly in brinjal, destroy the dry leaves and thiamethoxam 25 WG @ 200g/500 lit of water per hectare should be sprayed by keeping in view the weather forecast.
POTATO	Field should be prepared for early variety of Potato. Apply 200-250 Quintal dung manure in the field and seed should be sown @ 20-25 Q/Ha up to the end of this month.
TOMATO	Farmers can sow the tomato seed in the Nursery for winter season. For common and hybrid varieties of Tomato seed rate should be 500g/Ha and 200-250 g/ha respectively.
BROCCOLI	In plain and tarai areas, sowing of cabbage, knol khol and broccoli should be done in this month.

Live Stock Specific Advisory:

Live Stock(Varieties)	Live Stock Specific Advisory
COW	The milk of female calves should be weaned from the mother only after six months, so that their physical development can take place in a good way. Provide proper shelter and healthy food with proper attention to the livestock especially for new born babies.
GOAT	Sheep and goats must be given two vaccines of tetanus toxoid, one at 4 months and the other at 5 months, so that newborn lambs do not get a disease called tetanus.

Poultry Specific Advisory:

Poultry(Varieties)	Poultry Specific Advisory
HEN	Deworming doses should be given to the poultry birds on the recommendation of veterinarian because worms in the poultry birds lessen the production capacity of eggs.