



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 : 29-04-2022

Weather Forecast of District UDAMSINGH-NAGAR(Uttarakhand) Issued On : 2022-04-29(Valid Till 08:30 IST of the next 5 days)

Parameter	2022-04-30	2022-05-01	2022-05-02	2022-05-03	2022-05-04
Rainfall(mm)	0.0	0.0	1.0	1.0	5.0
Tmax(°C)	40.0	39.0	38.0	37.0	36.0
Tmin(°C)	23.0	23.0	22.0	23.0	22.0
RH-I(%)	50	50	55	60	75
RH-II(%)	30	30	30	35	35
Wind Speed(kmph)	10.0	12.0	12.0	14.0	14.0
Wind Direction(Degree)	120	120	130	130	130
Cloud Cover(Octa)	0	2	3	1	3

Weather Summary/Alert:

In the last seven days (22 – 28 April, 2022), there was 0.0 mm rain and the sky was Clear to cloudy. The maximum & minimum temperatures ranged between 35.5 to 40.0°C and 15.9 to 22.6°C respectively. Relative humidity ranges from 33 to 67 % at 0712 hrs and 11 to 25 % at 1412 hrs. The wind was mainly from the ESE & WNW with a speed of 2.6 to 6.3 km/hour. In the coming five days, very light rain on 1 & 2 May and light rain on 3 May may likely occur. Maximum & minimum temperature may range from 36.0 to 40.0 deg C & 22.0 to 23.0 deg C respectively. Wind will blow with a speed of 10.0-14.0 km/hr from the ESE & SE direction. As per ERF, the rainfall will be below normal and maximum & minimum temperature will be normal in the state from 4 to 10 May.

General Advisory:

NDVI & SPI map received from the India Meteorological Department dated indicated that the NDVI ranged between 0.2-0.45 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. 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). Spraying of chemical should be in done by keeping in view the weather forecast.

SMS Advisory:

very light rain on 1 & 2 May and light rain on 3 May may likely occur. Thunderstorm accompanied with hail/lightning & squall (60-70 KMPH) on 3 May likely to occur at isolated places.

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
DAINCHA	If irrigation facility is available then sowing of dhaincha and sanai should be done after harvesting of wheat and other rabi crops for green manure. Variety of sanai like Narendra sanai-1 and dhaincha variety like pant dhaincha-1, hisar dhaincha-1 etc should be selected. Seed rate for sanai should be 80-90 kg/ha and for dhaincha 60-80 kg/ha.
OKRA/ LADYFINGER	If the veins of leaves of okra crop are turning yellow, then destroy the plants and Sarvangi insecticide should be sprayed to control the juice sucking insects.

Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
COWPEA/ LOBIA	To control the root and stem rot diseases in cowpea (lobia), make a solution of carbendazim @ 1g/lit of water and irrigate the roots.
FRENCH BEAN	To control the root and stem rot diseases in french bean, make a solution of carbendazim @ 1g/lit of water and irrigate the roots.
PUMPKIN	If irregularly shaped yellow spots are seen on the leaves of the cucurbitaceous (pumpkin class vegetables) crop, inspect the leaves by turning them upside down. If mild grayish mildew growth is visible on the lower surface, then to control, spray Mancozeb at the rate of 2.5 g/lit.
MANGO	To control fruit fly in mango orchard, pheromone trap made up of wood should be placed on tree (10 trap/ha) and pheromone trap should be changed in 2 months.

Live Stock Specific Advisory:

Live Stock(Varieties)	Live Stock Specific Advisory
BUFFALO	In the summer season, time to time spraying of melathiyani or other insecticide should be done in the drains near the animal shed. Due attention should be given to arrangements for provision of water to animals. The drinking troughs should be kept clean and animals should be provided water at least four times during the day. If symptoms of mastitis are seen in dairy cattle, treat it immediately.
COW	Due attention should be given to arrangements for provision of water to animals. The drinking troughs should be kept clean and animals should be provided water at least four times during the day. If symptoms of mastitis are seen in dairy cattle, treat it immediately.

Others (Soil / Land Preparation) Specific Advisory:

Others (Soil / Land Preparation) (Varieties)	Others (Soil / Land Preparation) Specific Advisory
GENERAL ADVICE	In the month of May, close the bund of the field and leave it after plowing. Summer plowing destroys the larvae of pests and diseases & seeds of weeds, etc. The rain water from the bund will remain in the field and the soil will not flow out with the flow of water. Soil sample should be taken from 10-15 different places in this month from fallow field after harvesting of rabi crops. Soil sample should be taken up to the depth of 20 cm.