



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 : 27-05-2022

Weather Forecast of District UDAMSINGH-NAGAR(Uttarakhand) Issued On : 2022-05-27(Valid Till 08:30 IST of the next 5 days)

Parameter	2022-05-28	2022-05-29	2022-05-30	2022-05-31	2022-06-01
Rainfall(mm)	0.0	1.0	0.0	0.0	0.0
Tmax(°C)	36.0	37.0	37.0	38.0	38.0
Tmin(°C)	22.0	23.0	23.0	23.0	22.0
RH-I(%)	70	70	65	65	65
RH-II(%)	30	30	25	25	25
Wind Speed(kmph)	12.0	12.0	10.0	10.0	10.0
Wind Direction(Degree)	130	130	120	120	120
Cloud Cover(Octa)	4	3	2	0	0

Weather Summary/Alert:

In the last seven days (20 – 26 May, 2022), there was 14.9 mm rain and the sky was Clear to cloudy. The maximum & minimum temperatures ranged between 27.0 to 39.5°C and 20.4 to 26.4°C respectively. Relative humidity ranges from 51 to 77 % at 0712 hrs and 29 to 58 % at 1412 hrs. The wind was mainly from the WNW, WSW, ENE & ESE with a speed of 1.9 to 10.7 km/hour. In the coming five days, very light rain may likely to occur on 28 May otherwise weather will remain clear. Maximum & minimum temperature may range from 36.0 to 38.0 deg C & 22.0 to 23.0 deg C respectively. Wind will blow with a speed of 10.0-12.0 km/hr from the ESE & SE direction. As per ERF, the rainfall will be below normal, maximum & minimum temperature will be normal in the state from 01 to 07 June. Warning: Thunderstorm accompanied with lightning/hail and gusty wind (30-40 KMPH) likely to occur at isolated places on 28 May.

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 & SPI map received from the India Meteorological Department dated indicated that the NDVI ranged between 0.15-0.35 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. To save the stem of fruit tree from high radiation of sun, mixture of copper oxychloride with lime (1kg copper oxychloride, 30 kg Calcium hydroxide or bujha chuna, 1.5 liter linseed oil in 100 liter of water) should be used. Spraying of chemical should be done keeping in view the weather forecast.

SMS Advisory:

In the coming five days, very light rain may likely to occur on 28 May otherwise weather will remain clear.

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
RICE	(1) Paddy nursery is prepared in the month of June. Preparation of nursery for mid duration variety of paddy like - Narendra-359, Pant dhan-18, HKR-147, PR-113 etc should be done up to 10th June. (2) Direct sowing of paddy can be done in the first fortnight of June. For this, choose medium duration varieties of paddy. Keep the seed rate at 60-70 kg/ha and sow the seeds in rows at a distance of 18-22 cm. Apply Pendimethalin 1.0 kg active ingredient per hectare within 2 days of sowing. With this method we can save 20% of water & the cost of transplanting also and crop is ripen 7-10 days before.
MAIZE	The best time for sowing maize is the first fortnight of June. Sow sankul varieties of maize like Tarun, Naveen, Kiran, Navjot, Pratap Makkah-1, Pusa Sankul 3 and 4. Keep seed rate at 18-20 kg/ha and sow at a distance of 60-75 cm. After germination, make the distance from plant to plant 20-25 cm by rarefaction.
PIGEON PEA (RED GRAM/ARHAR)	In the month of June, early varieties of pigeon pea/tur like- UPAM. 120, Pant Arhar 291 can be sown till the mid of the month.
SUGARCANE	On the occurrence of black bug in sugarcane crop, phenthoate 50EC @ 1 liter/ha or 750 ml of monocrotopos 36 SL or 2liter of quinalphos 25 EC in 500liter of water should be sprayed.
BARSEEM	Last harvesting for fodder should be done 15-20 days after the last harvesting. Harvest when the oats are ripe. Thrashing should be done only after 3-4 days of drying in the field.

Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
COWPEA/ LOBIA	After harvesting the mature pods, turn the crop over to the field so that they act as green manure in the field.
BRINJAL	To control the stem and fruit borer in brinjal, spraying of Emamectin benzoate 5SG @ 200g/Ha, Cypermethrin 25EC @200ml/Ha, Lambda cyhalothrin 5CS @ 300ml/Ha should be done and fruit should be used after 5 days of last spraying of chaemicals.
TOMATO	On the occurrence of fruit borer in the Tomato, fruit should be used only after 3 days and 5 days of spraying of Chlorantraniliprole 18.5 SC @ 150ml/Ha and Indoxacarb 14.5 SC @ 500ml/ha respectively.
PUMPKIN	On the occurrence of mottled spot disease or folding of leaves in Cucurbitaceous (pumpkin class vegetables), it is advised that these plants should be separated and destroyed. Sarvangi insecticide should be used on the occurrence of juice sucking insect.

Live Stock Specific Advisory:

Live Stock(Varieties)	Live Stock Specific Advisory
COW	Animals between two and four months of age should be vaccinated against black leg/black quarter (BQ). Give anthelmintic medicine called piperazine to the calves of two months of age.
BUFFALO	Animals between two to four months of age should be vaccinated against black leg/black quarter (BQ). If animal has taken the cyanide affected fodder then water should not be given to them. Amimals should be kept away from grazing the less grown jawar, bajara, fodder in pasture. Small shrival/fade yellow stiff plants should not be used as fodder for animals to save them from cyanide.

Others (Soil / Land Preparation) Specific Advisory:

Others (Soil / Land Preparation) (Varieties)	Others (Soil / Land Preparation) Specific Advisory
SOIL TESTING	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.