



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 : 04-07-2023

Weather Forecast of UDAMSINGH-NAGAR(Uttarakhand) Issued On : 2023-07-04(Valid Till 08:30 IST of the next 5 days)

Parameter	2023-07-05	2023-07-06	2023-07-07	2023-07-08	2023-07-09
Rainfall(mm)	25.0	20.0	15.0	20.0	25.0
Tmax(°C)	34.0	32.0	33.0	34.0	35.0
Tmin(°C)	26.0	26.0	27.0	27.0	27.0
RH-I(%)	85	80	80	80	80
RH-II(%)	45	55	50	50	45
Wind Speed(kmph)	12	12	14	16	10
Wind Direction(Degree)	90	90	100	110	90
Cloud cover(octa)	4	5	8	6	8

Weather Summary/Alert:

In the last seven days (27 June - 3 July), the recorded rainfall was 146.4 mm with maximum and minimum temperature ranging between 30.0 to 36.0 degree celsius and 24.4 to 27.4 degree celsius. The sky remained cloudy on most of the days with morning relative humidity at 0712 hrs ranging 70 to 98 % and evening relative humidity at 1412 hrs ranging 51 to 84 %. The wind speed was 2.4 to 7.1 with wind direction mostly north and north-north-east. The upcoming five days forecast shows light to moderate rainfall varying from 04.07.2023 to 08.07.2023 between 15-25mm. The maximum and minimum temperature would range between 32-35 degree celsius and 26-27 degree celsius. The wind speed during the period would range between 10-16 kmph and direction would predominantly be east and east-south-east. Warning: A yellow warning regarding a likely occurrence of light to moderate rain/thunderstorm accompanied with lightning and intense/very intense spell has been given for 05.07.2023 to 08.07.2023.

General Advisory:

It is rainy season so farmers are advised to download "Meghdoot App" to get last week's weather, weather forecast and agrometeorological advice and "Damini App" to get power information. Meghdoot and Damini apps can be downloaded from Google Play Store (Android users) and App Center (iOS users). This will help them in taking right decisions for the suitable farming activities. Also don't let the animals get wet in rain as it can invite skin related diseases.

SMS Advisory:

Light to moderate rainfall along with thunderstorm and lightning has been predicted from 5 to 8 July, 2023 so farmers require to be alert.

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
RICE	Stage: Transplanting Transplanting of medium duration variety of paddy should be done in the first week of July and early maturing variety should be completed till third week of July. During transplanting the line to line distance should be maintained at 20

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	cm and plant to plant distance at 10 cm or both the distance should be maintained at 15 cm. 2-3 seedlings should be planted at one hill. The seedling should be placed at 2-3 cm depth.
MAIZE	Ensure sowing of maize till the first fortnight of July and sow it on the ridges. Seed treatment should be done before sowing.
SOYABEAN	Stage : sowing In Tarai and Bhavar, the best time for sowing of soybean is from the last week of June to the first week of July. Use improved varieties of soybeans PS1024, PS1042, PS-1092, PS 1241, PS 1347, PS 1225, PS 19 etc. Keep seed rate at 75kg/ha. Treat the seed with Rhizobium culture.
GROUNDNUT	Stage: sowing Use of fertilizers is necessary for good yield of groundnut, but it should be used on soil testing basis. However if testing has not been done then use Nitrogen 20 kg, Phosphorus 40 kg and Potash 45 kg/ha and 200 kg (half the quantity) Gypsum and 4 kg Borax. This quantity should be put in the furrows at the time of sowing at a depth of about 2-3 cm from the seed.
SUGARCANE	Keeping in view the onset of monsoon, it is advised that proper drainage should be maintained in the field and apply little amount of soil on the surface of the root of sugarcane.

Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
OKRA/ LADYFINGER	Use 10-12Kg Okra seed during rainy season after treating it with fungicide with line to line and plant to plant distance 60 and 30 cm respectively
PUMPKIN	Stage : harvesting On the occurrence of yellow spot of irregular shape on cucurbitaceous crops, leaves should be examined by turning and if there is a growth of light gray fungus in the lower portion of leaves then it should be controlled by spraying the solution of Mancozeb @ 2.5 g/ lit. Spraying of chemical should be done keeping in view the weather forecast.
TURMERIC	Stage: Planting After weeding and fertilizing, it is necessary to add soil around the plant so that the rhizomes can grow well and be protected against sunlight. The problem of weeds does not come in well laid mulch. Irrigation should be given as per requirement during the rainy season. Proper drainage should be provided in the field.
GINGER	Stage: Planting Ginger grown in 25-50% shade instead of open environment helps in increasing the usefulness and production of ginger. Proper drainage should be provided in the field.
CHILLI	Stage: Harvesting To save the chilly from Thrips, Lambda cyhalothrin 5EC @300ml/Ha or Fipronil 5SC @ 1Liter/Ha should be sprayed and chilly is used after 7 days of spraying of chemicals. Spraying of chemicals should be done by keeping in view the weather forecast.
TOMATO	Stage : Harvesting Farmers should harvest the ripened tomato crop. There are chances of occurrence of disease after rainfall so destroy infected plants (when shriveled pitted leaves are visible) to control viral diseases and spray allpurpose insecticides to control sap-sucking insects. Spray Mancozeb 2.5g/l or Copper oxychloride 3.0g/l of water to prevent outbreak of blight. Farmer brothers, keep in mind that spraying should be done keeping the weather forecast in mind.

Live Stock Specific Advisory:

Live Stock(Varieties)	Live Stock Specific Advisory
COW	Get animals vaccinated to protect them from infectious diseases. At the beginning of the monsoon, a sudden strong Protect animals from heavy rains because it causes skin irritation like disorders. Outbreak of worms increases in these seasons and to avoid this use of anthelmintic Do it with the help of the nearest veterinarian. Looking at the weather forecast, there is a possibility of rain stagnation in the cattle shed. Do not allow water to collect and keep proper drainage system.
BUFFALO	Get animals vaccinated to protect them from infectious diseases. At the beginning of the monsoon, a sudden strong Protect animals from heavy rains because it causes skin irritation like disorders. Outbreak of worms increases in these seasons and to avoid this use of anthelmintic Do it with the help of the nearest veterinarian. Looking at the

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