



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 : 30-06-2023

Weather Forecast of District UDAMSINGH-NAGAR(Uttarakhand) Issued On : 2023-06-30(Valid Till 08:30 IST of the next 5 days)

Parameter	2023-07-01	2023-07-02	2023-07-03	2023-07-04	2023-07-05
Rainfall(mm)	10.0	2.0	1.0	5.0	20.0
Tmax(°C)	35.0	34.0	36.0	37.0	35.0
Tmin(°C)	23.0	23.0	24.0	23.0	22.0
RH-I(%)	85	85	80	85	90
RH-II(%)	45	45	30	40	55
Wind Speed(kmph)	14	8	8	10	16
Wind Direction(Degree)	110	110	90	90	110
Cloud Cover(Octa)	8	7	4	7	7

Weather Summary/Alert:

In the last seven days (23-29 June), the recorded rainfall was 78.4 mm with maximum and minimum temperature ranged 28.6 to 36.0 degree celsius and 22.9 to 29.3 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 85 %. 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 30.06.2023 to 04.07.2023 between 1-20mm. The maximum and minimum temperature would range between 34-37 degree celsius and 22-24 degree celsius. The wind speed during the period would range between 8-16 kmph and direction would predominantly be east. There is a likely occurrence of light to moderate rain/thunderstorm at most places on all the five days continuing from 30.06.2023

General Advisory:

According to the extended range forecast given from 23/06/2023 to 06/07/2023 showed normal rainfall in Uttarakhand district with the deviation ranging between -2 to -16% while the mixed NDVI composite map obtained from the India Meteorological Department indicated that the NDVI ranged between 0.2-0.3 which symbolizes moderate agricultural power in the district . As the rainy season is arriving 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.. Monsoon is about to arrive in Uttarakhand district, so do not let the animals get wet in the first rain of monsoon so that they do not have skin related disorders.

SMS Advisory:

There is a likely occurrence of light to moderate rain/thunderstorm at most places on all the five days continuing from 30.06.2023 so all the farming operations should be taken up carefully.

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
RICE	Stage: Nursery As the transplanting of rice seedlings is going to start so paddy nursery should be filled with 4-6 cm of water before plucking the seedlings. Plucking of seedlings should be done carefully followed by washing the roots and transplanting of seedlings should be done immediately. • Transplanting of paddy should be done when 4-5 leaves are seen in the seedlings of paddy. This stage comes after 18 days in early maturing varieties and after 20-25 days in medium duration varieties of paddy. • Irrigation should be given in the field before 15 days of puddling. Field should be filled with water before 10-12 hrs of puddling and ploughing should be done at 2-3 times. Field should be leveled. • Transplanting should be done after 10-15hrs of puddling. • 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 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	Kharif maize: stage: sowing Sowing of kharif maize should be completed. All the farming activities should be done keeping the forecast in mind.
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.

Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
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.
GINGER	Stage: Planting Ginger grown in 25-50% shade instead of open environment helps in increasing the usefulness and production of ginger.
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.

Horticulture(Varieties)	Horticulture Specific Advisory
OKRA/ LADYFINGER	Stage: harvesting Farmers as per the weather forecast should harvest the already ripe okra. After rainfall there are chances of occurrence of white fly which spreads mosaic virus so farmers should pay attention to these conditions.

Live Stock Specific Advisory:

Live Stock(Varieties)	Live Stock Specific Advisory
COW	To save the animals from infected disease, vaccination should be done on the recommendation of veterinarian. Don't leave the animal in the monsoonal rain because this may lead the irritation in the skin of animals. Make the necessary arrangements to save the animals during adverse weather. Give deworming to the animals on the recommendation of veterinarian.
BUFFALO	To save the animals from infected disease, vaccination should be done on the recommendation of veterinarian. Don't leave the animal in the monsoonal rain because this may lead the irritation in the skin of animals. Make the necessary arrangements to save the animals during adverse weather. Give deworming to the animals on the recommendation of veterinarian.