



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: 26.07.2024

Weather Forecast of District UDHAMSINGH-NAGAR (Uttarakhand) Issued On: 2024-07-26 (Valid Till 08:30 IST of the next 5 days)

| Parameter | 27/07/2024 | 28/07/2024 | 29/07/2024 | 30/07/2024 | 31/07/2024 |
|-------------------|------------|------------|------------|------------|------------|
| Rainfall(mm) | 8.0 | 8.0 | 10.0 | 35.0 | 15.0 |
| Max Temp(°C) | 36.0 | 36.0 | 35.0 | 35.0 | 35.0 |
| Min Temp(°C) | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 |
| Max RH I (%) | 85 | 90 | 95 | 95 | 95 |
| Min RH II (%) | 50 | 50 | 50 | 50 | 55 |
| Wind speed (km/h) | 8 | 10 | 8 | 12 | 10 |
| Wind direction | 90 | 90 | 90 | 90 | 130 |
| Cloud cover | 8 | 8 | 5 | 6 | 7 |

Weather Summary/Alert:

Last week (19 to 25 July), the region experienced 83.0 mm rainfall with the maximum-minimum temperature ranging 30.5 to 35.5°C and 25.9 to 28.1°C, respectively. The morning and evening relative humidity varied between 79-98% and 65-75%, respectively while the wind blew from east-south-east, east-north-east, south-east and south-south-east at a speed ranging 3.1-5.4 kmph. Most of the days last week were cloudy with few rainy days. The upcoming forecast shows light to moderate rainfall of 8-35 mm from 26-30 July and maximum-minimum temperature are expected to vary as 35.0-36.0°C and 27.0°C, respectively. The wind is expected to blow from east and south-east direction at a speed of 8-12 kmph. Light to moderate rainfall is likely to occur at most places on 23 July and at many from 24-27 July, 2024. Light to moderate rainfall is likely to occur at most places on 27, 29 & 30 July. An orange alert of heavy rainfall has been given for 29 July and yellow alert has been given for thunderstorm/lightning/ intense rainspell for 26, 27, 28, 30 July.

General Advisory:

For regular updates on weather conditions in the region, the farmers can get updates from the app "Meghdoot" and lightning update from the app "Damini" available on Google Play Store (Android users) and App Centre (iOS users). The NDVI shows good agricultural vigour in the isolated regions of the state ranging 0.15-0.40. The extended range forecast shows deficient rainfall, above normal maximum and minimum temperature trend during 26.07.2024 to 01.08.2024.

SMS Advisory:

As per the IMD forecast, light to moderate rainfall has been predicted so the farming activities can be scheduled as per the forecast.

Crop Specific Advisory:

| Crop (Varieties) | Stage | Crop Specific Advisory |
|------------------|-------------------------|--|
| Rice | Transplanting/ Seedling | The transplanting should be completed in this month and gap filling of the plots should be done within 10 days. Also, for already transplanted |

| | | |
|---------------------------|----------------------------|---|
| | | rice the fertilizers and weedicide can be applied under clear weather conditions. The weeding of the rice field should be done at 20 and 40 days interval. In case labour is not available, butachlor 50 E.C. @ 3 litre per hectare/anilophos 30 E.C. @1.5 litre per hectare/ Pretilachlor 50 E.C. @1.5 litre per hectare in 500 litre water can be applied within 3 days of transplanting. All the chemical applications should be carried out keeping the forecast in mind. |
| Sugarcane | Vegetative | In case of water logging, proper drainage should be arranged and sufficient soil should be applied to the roots of sugarcane. When the growth of the crop is good, tie it at a height of 5 feet. |
| <i>Kharif</i> maize | Germination/ Vegetative | Water logging should be avoided. Weeding and hoeing should be done in the last month sown maize crop. The top dressing of urea should be done when crop attains the height of around 2 feet. However, all the farming operations should be done keeping the forecast in mind |
| Black gram/ green gram | Sowing | Seeds treated with bio-controller Trichoderma powder @5 gm/kg should be used along with biofertilizers like Rhizobium and P.S.B. @200 gm / 10 kg seeds. The sowing should be scheduled as per the forecast. |
| Groundnut | Vegetative | In groundnut, weeding should be done at an interval of 15-20 days after sowing. To destroy the weeds chemically, Pendimethalin 30 EC, 3.3 liters or 4 liters of Alachlor 50 EC dissolved in 500 -700 liters of water should be sprinkled after sowing and before the germination of weeds. Any chemical spraying should be done keeping the forecast in mind . |
| Sesame (Gingelly/Til) | Sowing | The proper time for sesame sowing is the second fortnight of the month and the seed rate should be 3-4 kg/ha. To prevent seed borne diseases the seeds should be treated @2.5 g Thiram or Captan per kg of seeds |

Horticulture Specific Advisory:

| Horticulture (Varieties) | Stage | Horticulture Specific Advisory |
|--------------------------|---------------------|--|
| Chilli | Transplanting | Chilli should be transplanted on ridges to avoid damage due to water logging with row to row and plant to plant distance of 50cm. Avoid drainage as excess amount of water for about 24 hours in the field dries up the crop. Transplanting should be scheduled as per the forecast. |
| Tomato | Vegetative/Fruiting | 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 all purpose 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, spraying should be done keeping the weather forecast in mind. |
| Cauliflower | Young plantlets | The weeding and hoeing should be done in the transplanted crop and proper drainage should be maintained in the field. All the farming activities should be done keeping the forecast in mind. |

LiveStock Specific Advisory

| Livestock | LiveStock Specific Advisory |
|-------------|---|
| Cow/Buffalo | July is the month of delivery, so at the time of delivery of the animal, they should be constantly monitored and cleaned thoroughly after calving. 200 ml of any one of the medicines named Utrotane / Harira / Ginetone in the morning and evening for three |

| | |
|------|--|
| | days Till should be given for cleaning the uterus. The cattle shed should be cleaned regularly 2- 3 times during the rainy season. |
| Goat | Small ruminant animals like sheep, goats and newborn calves should be protected from getting wet during rainy days so that they do not get cold/cough/pneumonia. |