



Gramin Krishi Mausam Sewa
District Level Agromet Advisory Bulletin
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 Udham Singh Nagar, Pantnagar, Uttarakhand



Agromet Advisory Bulletin

Date: 25.06.2024

Weather Forecast of District UDHAMSINGH-NAGAR (Uttarakhand) Issued On: 2024-06-25 (Valid Till 08:30 IST of the next 5 days)

| Parameter | 26/06/2024 | 27/06/2024 | 28/06/2024 | 29/06/2024 | 30/06/2024 |
|-------------------|------------|------------|------------|------------|------------|
| Rainfall(mm) | 8.0 | 8.0 | 15.0 | 15.0 | 15.0 |
| Max Temp(°C) | 38.0 | 37.0 | 35.0 | 33.0 | 32.0 |
| Min Temp(°C) | 26.0 | 25.0 | 24.0 | 24.0 | 24.0 |
| Max RH I (%) | 65 | 70 | 85 | 85 | 85 |
| Min RH II (%) | 25 | 30 | 30 | 45 | 45 |
| Wind speed (km/h) | 10 | 14 | 20 | 18 | 14 |
| Wind direction | 130 | 130 | 110 | 110 | 90 |
| Cloud cover | 3 | 5 | 8 | 8 | 8 |

Weather Summary/Alert:

Last week (18 to 24 June), the region experienced 4.4 mm rainfall with the maximum-minimum temperature ranging 35.5 to 43.5oC and 27.1 to 29.4oC, respectively. The morning and evening relative humidity varied between 56-81% and 30-55%, respectively while the wind blew from west-north-west, south, south-south-west, east-south-east, north and south-south-east at a speed ranging 5.3-9.5 kmph. Partially cloudy conditions was observed during most of the days last week. The upcoming forecast shows light to moderate rainfall of 8-15 mm and maximum-minimum temperature are expected to vary as 32.0-38.0oC and between 24.0-26.0oC, respectively. The wind is expected to blow from east, east-south-east and south-east direction at a speed of 10-20 kmph. Light to moderate rainfall is likely to occur at many places in U.S.Nagar on 25, 26, 27, 28 & 29 June. A yellow warning regarding the occurrence of thunderstorm accompanied with lightning/Strong surface winds and intense spell of rain is likely to occur at isolated places on 25, 26 & 27 June and similar conditions are expected to continue on 28 and 29 June.

General Advisory:

The rainy season has arrived so 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 0.1-0.45. The extended range forecast shows deficient rainfall and above normal maximum and normal minimum temperature trend during 21.06.2024 to 27.06.2024.

SMS Advisory:

As per the IMD forecast, light to moderate rainfall with thunderstorm/lightning and intense rain spell has been predicted so the farming activities should be scheduled accordingly.

Crop Specific Advisory:

| Crop (Varieties) | Stage | Crop Specific Advisory |
|---------------------|---------------------------------------|---|
| Rice | Nursery preparation/ Transplanting | Nursery preparation and transplanting: Treated seeds should be used for nursery preparation. Carbendazim 50% w.p. @2kg/ha should be used. After 12-15 days, 25 urea mixed in 0.5% ZnSO ₄ should be applied to the nurseries and early prepared nurseries should be transplanted. Farming operations should be scheduled as per the rainfall forecast. |
| Groundnut | Sowing | High yielding varieties like Girnar 2 and Mallika should be treated and sown at a line to line distance of 30-45 cm and plant to plant distance of 10-20 cm. The sowing should be done @70-75 kg/ha and light irrigation should be applied just after sowing. The seeds should be treated with 2g Thiaram and 1 g Carbendazim 50% W.P. mixture and with rhizobium culture after 5-6 hrs. The seeds should be dried after treatment and sowing should be done during morning or evening hours. Sowing can be delayed under rainfall prediction. |
| Sugarcane | Vegetative | Little soil should be used to cover the roots (Earthing up) of the sugarcane plants. Farming operations can be delayed under predicted rainfall conditions. |
| Spring maize | Maturity/Harvest | Mature cobs in spring maize should be harvested before rain commences. Farming operations should be scheduled as per the rainfall forecast. |
| <i>Kharif</i> maize | Sowing | Cluster varieties of <i>kharif</i> maize such as Tarun, Naveen, Kiran, Navjot, Pratap Maize-1, Pusa Cluster 3 and 4 can be sown. The seed rate can be maintained at 18-20 kg/ha and sowing can be done at a distance of 60-75 cm. Light irrigation should be applied just after sowing. Sowing can be delayed under predicted rainfall conditions. |

Horticulture Specific Advisory:

| Horticulture (Varieties) | Stage | Horticulture Specific Advisory |
|--------------------------|------------------------|---|
| Pumpkin/Other cucurbits | Fruiting/Harvesting | The harvested produce should be stored well to avoid spoilage due to rains. |
| Tomato | Fruiting/Harvesting | Harvest the mature fruits and store well to avoid spoilage due to rains. Provide polyhouse protection or shade net to protect the fruits. The farming activities should be scheduled as per the rainfall forecast. |
| Okra/Ladyfinger | Fruiting | Harvest the produce for sale purpose. Harvesting time should be scheduled as per the rainfall forecast to avoid spoilage. |
| Chilli | Flowering/fruitletting | Schedule the harvesting and farming operations in the chilli crop as per the rainfall forecast. |
| Ginger/Turmeric | Young plantlets | Mulching operations should be completed in the young plantlets to conserve moisture. The farming operations should be scheduled as per the rainfall forecast. |

LiveStock Specific Advisory

| Livestock | LiveStock Specific Advisory |
|-----------|--|
| Cow | Vaccinate the animals against tetanus, enterotoxemia and Hemorrhagic Septicemia. To avoid the insufficiency of fodder, the farmers should store the fodder for such times. To avoid deficiency of important nutrients, sufficient amount of salt mixture along with the fodder should be provided. |
| Buffalo | Animals between two to four months of age should be vaccinated against black leg/black quarter (BQ). Buffaloes should be kept for wallowing in water |