



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: 24.09.2024

Weather Forecast of District UDHAMSINGH-NAGAR (Uttarakhand) Issued On: 2024-09-24 (Valid Till 08:30 IST of the next 5 days)

| Parameter | 25/09/2024 | 26/09/2024 | 27/09/2024 | 28/09/2024 | 29/09/2024 |
|-------------------|------------|------------|------------|------------|------------|
| Rainfall(mm) | 0.0 | 0.0 | 15.0 | 4.0 | 3.0 |
| Max Temp(°C) | 36.0 | 35.0 | 34.0 | 34.0 | 33.0 |
| Min Temp(°C) | 24.0 | 23.0 | 23.0 | 22.0 | 22.0 |
| Max RH I (%) | 75 | 85 | 90 | 75 | 70 |
| Min RH II (%) | 35 | 40 | 45 | 35 | 30 |
| Wind speed (km/h) | 4 | 3 | 4 | 5 | 4 |
| Wind direction | 340 | 20 | 90 | 140 | 140 |
| Cloud cover | 3 | 4 | 8 | 5 | 3 |

Weather Summary/Alert:

Last week (17 to 23 September), the region experienced 0 mm rainfall with the maximum-minimum temperature ranging 29.0 to 34.0°C and 24.3 to 25.5°C, respectively. The morning and evening relative humidity varied between 84-93% and 62-77%, respectively while the wind blew from north, north-east, north-east-north and north-north-east ranging 0.6-5.3 kmph. Most of the days were clear last week. The upcoming forecast shows light to moderate rainfall of 3-15 mm from 24-28 September and maximum-minimum temperature are expected to vary as 33.0-36.0°C and 22.0-24.0°C, respectively. The wind is expected to blow from north-north-west, north-north-east, east and south-east at a speed of 3-5 kmph. Light to moderate rain is likely to occur at few isolated places from 26-28. A yellow warning regarding occurrence of thunderstorm accompanied with lightening/ intense to very intense rain spell has been given for isolated places on 26 & 27 September.

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 0.30-0.60. The extended range forecast shows large deficient rainfall and normal maximum-minimum temperature trend during 20.09.2024 to 26.09.2024.

SMS Advisory:

As per IMD forecast, light to moderate rainfall with yellow warning has been predicted so the farming activities should be scheduled accordingly.

Crop Specific Advisory:

| Crop (Varieties) | Stage | Crop Specific Advisory |
|------------------|--------------------|--|
| Rice | Reproductive phase | The spray against bacterial diseases and pests should be applied as recommended and scheduling should be done as per the forecast. |

| | | |
|---------------------------|---------------------------|--|
| Sugarcane | Grand growth/ Sowing | The red rot infested canes should be removed and burned to stop further spread. Complete destruction of infected canes and use of treated seeds are the best preventive measures. In case of white grub infestation Fipronil 40 percent and Imidacloprid 40 percent WG@200g/acre should be applied in the field by dissolving it in 500 liters of water. The application should be scheduled as per the forecast. The sowing of autumn sugarcane should be done with treated sugarcane seed by Carbendazim 50% WP @0.1% solution for 10 mins. For autumn sowing the lower 2/3rd portion of sugarcane stalk is used. The sowing should be done keeping the forecast in mind. |
| Maize | Vegetative/Cob filling | In case of fall army worm attack, Chlorantraniliprole 18.5 SC @0.4ml/l of water should be applied while application of Mancozeb or Zineb 75 WP @ 1.5 -2.0 kg in 750- 800 litres of water per hectare should be done on occurrence of blight (Yellow or brown coloured egg ship shaped spots). Second spraying should be done at 10-15 days interval. The early maize varieties should be harvested on maturity and all the farming activities should be done keeping the forecast in mind. |
| Black gram/ green gram | Vegetative | On occurrence of yellow mosaic virus which is transferred by white fly, apply pyriproxyfen 10 E.C. @0.5 litre / ha mixed in 500-600 litre of water at 10-12 days interval. The farmers should use resistant varieties against yellow mosaic virus and chemical application should be done keeping the forecast in mind. |
| Soyabean | Pod development | Sufficient soil moisture should be maintained on flower/pod formation. On occurrence of yellow mosaic virus which is transferred by white fly, apply pyriproxyfen 10 E.C. @0.5 litre / ha mixed in 500-600 litre of water at 10-12 days interval. The farmers should use resistant varieties against yellow mosaic virus and chemical application should be done keeping the forecast in mind. |
| Groundnut | Vegetative/Pegging | For treatment of Tikka disease, Chlorothalonil @2 kg/ha or Mancozeb 80% @2 kg/ha or Propiconazole 25 EC @500 ml dissolved in 800 to 1000 litres per hectare should be sprayed 2-3 times at an interval of 10-12 days. On pegging or pod formation sufficient soil moisture should be maintained by irrigating as and when required. All the farming activities should be done keeping the forecast in mind. |

Horticulture Specific Advisory:

| Horticulture (Varieties) | Stage | Horticulture Specific Advisory |
|-----------------------------|-----------------|--|
| Cauliflower | Seedling growth | Four to six weeks after transplanting, light hoeing should be done and soil should be applied to the roots. Active Ingredient fluchlorolin @1.0 kg/ha should be applied for chemical weed control one day before planting. All the applications should be done keeping the forecast in mind. |
| Radish | Germination | In radish crop the irrigation should be applied keeping the forecast in mind. |
| Carrot | Germination | After germination regular weeding should be done and plant to plant distance should be maintained at 6-10 cm. The farming activities should be taken up keeping the forecast in mind. |
| Beetroot | Germination | The irrigation should be applied keeping the forecast in mind. |
| Spinach | Germination | The irrigation should be applied keeping the forecast in mind. |

LiveStock Specific Advisory

| Livestock | LiveStock Specific Advisory |
|-----------|-----------------------------|
| | |

| | |
|------------|---|
| Cow | After 15 days calves should be fed with calcium, magnesium, phosphorus, zinc, iron, iodine and copper elements should be consumed in the form of salt mixture or mineral drops. |
| Buffalo | To prevent 'footrot' disease, hooves should be dipped in 10% formalin solution or 5% blue solution for 2-3 minutes in the morning and evening for at least 3 days. |
| Goat/Sheep | In rural areas, 2 shots of tetanus toxoid should be administered to sheep and goats at one month and the other at 5 months, so that newborn lambs do not get tetanus disease. |