



**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:08.10.2024**

**Weather Forecast of District UDHAMSINGH-NAGAR (Uttarakhand) Issued On: 2024-10-08 (Valid Till 08:30 IST of the next 5 days)**

| Parameter         | 09/10/2024 | 10/10/2024 | 11/10/2024 | 12/10/2024 | 13/10/2024 |
|-------------------|------------|------------|------------|------------|------------|
| Rainfall(mm)      | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        |
| Max Temp(°C)      | 33.0       | 33.0       | 32.0       | 32.0       | 31.0       |
| Min Temp(°C)      | 23.0       | 23.0       | 22.0       | 22.0       | 21.0       |
| Max RH I (%)      | 70         | 70         | 70         | 70         | 70         |
| Min RH II (%)     | 30         | 30         | 30         | 30         | 30         |
| Wind speed (km/h) | 3          | 4          | 3          | 3          | 4          |
| Wind direction    | 140        | 140        | 320        | 320        | 320        |
| Cloud cover       | 2          | 3          | 2          | 3          | 2          |

### Weather Summary/Alert:

Last week (1 to 7 October), the region experienced no rainfall with the maximum-minimum temperature ranging 32.0 to 33.9oC and 21.8 to 23.4oC, respectively. The morning and evening relative humidity varied between 80-95% and 55-67%, respectively while the wind blew from west-north-west, north-west, south-east-south, west and north-west ranging 1.1-2.8 kmph. Most of the days were clear last week. The upcoming forecast shows no rainfall from 08-12 October and maximum-minimum temperature are expected to vary as 31.0-33.0oC and 21.0-23.0oC, respectively. The wind is expected to blow from south-east and north-west at a speed of 3-4 kmph. Dry weather likely to prevail from 08 to 12 October.

### 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 0.40-0.60. The extended range forecast shows large deficient rainfall and normal maximum-minimum temperature trend during 04.10.2024 to 10.10.2024.

### SMS Advisory:

As per the IMD forecast, dry weather is expected so the farming operations and sowing can be done. Apply irrigation as and when required.

### Crop Specific Advisory:

| Crop (Varieties) | Stage                      | Crop Specific Advisory  |
|------------------|----------------------------|---|
| Rice             | Reproductive/Grain filling | To prevent infestation of common pest of rice i.e brown plant hopper, farmers need to spray Triflumezopyrim 10 SC @235ml/ Fipronil 5 SC @1000 ml/ Buprofezin 25 SC @1 litre/ Thiamethoxam 25 WSG @100gm |

|                                    |                           |   |
|------------------------------------|---------------------------|---|
|                                    |                           | mixed in 500 litre water per hectare. The spray should be done near the stem. Buprofezin should be used in case of less infestation, Triflumezopyrim in case of heavy infestation and Fipronil 5 SC in case of stem borer+brown plant hopper attack.  |
| Sugarcane                          | Grand growth phase/Sowing | To prevent prevalent whip smut disease, farmers need to use resistant varieties and treated canes for sowing purpose. The infested whips and their groups should be carefully removed and either burned or buried in the soil. The harvested canes should not be kept in the field to avoid infection. Efficient crop rotation or intercropping with Arhar can reduce the infection intensity.<br>The sowing of autumn sugarcane should be done till 15 <sup>th</sup> October 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. |
| Maize                              | Maturity/Harvesting       | Avoid bird attacks by appropriate farming measures in mature cobs. The cobs should be harvested when covered with yellow leaves.  |
| Black gram/<br>green gram/Soyabean | pod formation/Maturity    | The maturing pulse crop should be harvested accordingly and kept for drying.  |
| Pigeon pea/red gram (arhar)        | pod formation             | Provide light irrigation after pod formation and keep monitoring for pests/diseases. On the presence of yellow mosaic virus transmitted by whitefly, pyriproxyfen 10 E.C. @0.5 litre/hectare mixed in 500-600 liters of water should be applied regularly at an interval of 10-12 days. Farmers should use varieties resistant to yellow mosaic virus.  |
| Groundnut                          | Pegging/ maturity         | On pegging or pod formation sufficient soil moisture should be maintained by irrigating as and when required. The timely sown crop should be dug and stored after drying.   |
| Sesame (Gingelly/Till)             | Vegetative                | Phyllody is caused by phytoplasm that changes the shape of plants, flowers and leaves to bunch and is spread by plant hopper. This can be prevented by timely sowing of crop, application of Methyl-o-Demeton 25 E.C. @1.0 l/ha at an interval of 10-15 days and burning of the affected plants.  |
| Rapeseed (Lahi) and Mustard        | Sowing                    | After rice harvesting, the mustard crop should be sown. The sowing should be done at line to line at a distance of 45cm and 30 cm from the bunds. Treated seeds with Metalaxyl 35 W.S. @4 g/kg should be used for sowing.   |

#### Horticulture Specific Advisory:

| Horticulture (Varieties) | Stage               | Horticulture Specific Advisory   |
|--------------------------|---------------------|--|
| Cauliflower              | Maturity/Vegetative | The early varieties should be harvested and sent to the market for consumption. Regular practices like weeding, hoeing and irrigation application should be monitored.   |
| Radish/Carrot/ Beetroot  | Sowing/germination  | The soil moisture should be maintained in the field and regular weeding and thinning of the crop should be done.   |
| Spinach/Fenugreek        | Sowing/germination  | This is the best sowing time for leafy vegetable purpose. 3-4 irrigations are must for entire crop season and soil moisture should be maintained during the period.  |
| Citrus                   | Fruiting            | If symptoms of citrus yellow mosaic virus is observed then prune the infected twigs and spray systemic insecticide such as imidacloprid 17.8 SL 1 ml/3 litre water or Thiamethoxam 25% WG @ 1g/3 litre water. Apply first spray of Thiamethoxam during initial appearance of pest and repeat 2 – 3 sprays at 15 – 21 days interval depending on the level of pest intensity. |

### LiveStock Specific Advisory

| Livestock    | LiveStock Specific Advisory  |
|--------------|--|
| Cow/ Buffalo | Before breeding, cows/buffaloes should be given vaccines of Vibriosis-L-5, IVR, BVD, parainfluenza etc. jointly or separately. |

### Poultry Specific Advisory

| Poultry | Poultry Specific Advisory   |
|---------|---|
| Hens    | Deworming doses should be given to the poultry birds on the recommendation of veterinarian because worms in the poultry birds lessen the production capacity of eggs. |