



**Gramin Krishi Mausam Sewa**  
**Agromet Advisory Bulletin for NAINITAL District**  
**Govind Ballabh Pant University of Agriculture & Technology**  
 Udham Singh Nagar, Pantnagar, Uttarakhand



## **Agromet Advisory Bulletin**

Date : 2025-10-03

Weather Forecast of District NAINITAL (Uttarakhand) Issued On : 2025-10-03 (Valid Till 08:30 IST of the next 5 days)

| Parameter              | 2025-10-04 | 2025-10-05 | 2025-10-06  | 2025-10-07   | 2025-10-08  |
|------------------------|------------|------------|---|--|---|
| Rainfall(mm)           | 3.0        | 2.0        | 5.0   | 15.0   | 8.0   |
| Tmax(°C)               | 25.0       | 25.0       | 24.0  | 24.0   | 21.0  |
| Tmin(°C)               | 14.0       | 15.0       | 14.0  | 14.0   | 14.0  |
| RH-I(%)                | 88         | 90         | 88  | 96   | 92  |
| RH-II(%)               | 56         | 54         | 58  | 72   | 65  |
| Wind Speed(kmph)       | 5          | 6          | 5   | 5  | 8   |
| Wind Direction(Degree) | 320        | 130        | 140   | 270  | 280   |
| Cloud Cover(Octa)      | 2          | 1          | 3   | 8  | 4   |
| Warning                | No Warning | No Warning | Thunderstorms & Lightning, Squall etc; Strong Surface Winds | Thunderstorms & Lightning, Squall etc; Hailstorm; Strong Surface Winds | Heavy Rain; Thunderstorms & Lightning, Squall etc; Strong Surface Winds |

### Forecast Summary:

During the upcoming days the region is expected to experience light rainfall of 2-15 mm with maximum-minimum temperature of 21-25°C and 14-15°C, respectively. The wind is expected to blow from north-west, south-east, west and west-north direction with a speed of 5-8 kmph. On 5 October thunderstorms are expected accompanied with lightning / gusty wind (40-50 Kmph) / intense to very intense rain spell at isolated places. On 6 and 7 October heavy rain/ thunderstorms accompanied with lightning / hail/ gusty wind (40-50 Kmph)/ intense to very intense rain spell of rain is expected at isolated places. Yellow alert regarding these events have been given for 5,6 and 7 October while no warning has been issued for 3 and 4 October.

### Weather Warnings (Valid Till 08:30 IST of the next day)

Heavy rainfall with thunderstorms, gusty winds, squall and lightning has been given for 5, 6 and 7 October.

### Likely impacts of weather warnings on Agriculture and associated Agromet advisories

Lodging in rice and finger millet, spoilage of mature cobs of maize. No irrigation should be applied to rice and finger millet while the maize cobs should be harvested and stored well to avoid spoilage.

### General Advisory:

The farmers and other related community can download the "Mausam" app for regular weather information and rainfall alerts. Other apps like "Meghdoot" and "Damini" are also available for regular update of meteorological and lightning data, respectively. All the apps can be easily downloaded from Google Play Store (Android users) and App Centre (iOS users). The extended range forecast shows large excess rainfall, below normal maximum and normal minimum temperature trend during 03.10.2025 to 09.10.2025

### SMS Advisory:

As per IMD, heavy rainfall has been predicted on few days with strong winds thus, it is important to avoid irrigating the rice and finger millet crop as it could lead to lodging in the crop.

### Crop Specific Advisory:

| Crop (Stage)                                  | Crop Specific Advisory   |
|---|--|
| RICE (Booting)                                | During ripening phase common pest is 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. The spray should be done under clear weather conditions and avoid irrigating the crop. The matured early varieties should be harvested and dried under shed to avoid spoilage. |
| FINGER MILLET (Booting)                       | In late maturing varieties of millets, keep monitoring the crop as the stem borer harms the crop. For its prevention, Fipronil 5 S. C. @1 liter or Cartap Hydrochloride 50W. P. Spray 600 grams or Chlorpyrifos 20 E. C. @2. 5 liters dissolved in 500-600 liters of water should be sprayed on the affected region. The spray should be done under clear weather conditions and avoid irrigating the crop. The matured millet varieties should be harvested and dried under shed to avoid spoilage.   |
| MAIZE (Maturity and Harvesting)               | The mature cobs should be protected from the spoilage due to birds by taking appropriate farming measures and the mature cobs should be harvested when covered with yellow leaves.   |
| SOYABEAN (Maturity and Harvesting)            | The maturing pulse crop should be harvested accordingly and kept for drying under shed to avoid spoilage.  |
| PIGEON PEA (RED GRAM/ARHAR) (Pod Development) | On appearance of pod borer, apply pheromone @5-6 traps/ha in the field at the time of flowering. If 5-6 moths per trap were seen continuously for two-three days, then use one of the following drugs i.e. N.P.V. @500 borer equivalent B. T. @1 kg/ha. Nimboli 5% + 1% soap solution and Indoxacarb 14. 5 E.C. @353 -400 ml or Emamectin benzoate 5 SG @220 mg or Spinosad 45 SC @125-162 ml/ha.  |
| RAPSEED (Sowing)                              | After harvesting rice in the valleys and lower hill regions and after harvesting pulses and millets in the medium and higher hills the toria and yellow mustard crop should be sown. The sowing should be done at line to line distance of 45cm and 30 cm from the bunds. The seeds should be treated with Metalaxyl 35 W.S. @4 g/kg seed. Light irrigation should be applied after sowing.  |
| MUSTARD (Sowing)                              | After harvesting rice in the valleys and lower hill regions and after harvesting pulses and millets in the medium and higher hills the toria and yellow mustard crop should be sown. The sowing should be done at line to line distance of 45cm and 30 cm from the bunds. The seeds should be treated with Metalaxyl 35 W.S. @4 g/kg seed. Light irrigation should be applied after sowing.  |

### Horticulture Specific Advisory:

| Horticulture (Stage)          | Horticulture Specific Advisory  |
|-------------------------------|---|
| CAULIFLOWER (Seedling Growth) | The early varieties should be harvested and sent to the market for consumption. Top-dressing of urea should be done in the mid-varieties and regular practices like weeding, hoeing and irrigation application should be monitored. |

| Horticulture (Stage)           | Horticulture Specific Advisory   |
|--------------------------------|--|
| RADISH (Germination)           | The soil moisture should be maintained in the field and regular weeding and thinning of the crop should be done.   |
| CARROT (Germination)           | The soil moisture should be maintained in the field and regular weeding and thinning of the crop should be done.   |
| Faba bean/ Broad bean (Sowing) | The crop requires 2-3 irrigation which should be given as and when required. One irrigation should be given immediately after sowing.  |
| LEMON (Fruit formation)        | 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. |
| APPLE (Fruit formation)        | Destroy the infected and sick leaves while the fallen healthy leaves can be collected and kept in pit for compost purpose.   |
| PEACH (Fruit formation)        | Destroy the infected and sick leaves while the fallen healthy leaves can be collected and kept in pit for compost purpose.   |
| PEAR (Fruit formation)         | Destroy the infected and sick leaves while the fallen healthy leaves can be collected and kept in pit for compost purpose.   |
| PLUM (Fruit formation)         | Destroy the infected and sick leaves while the fallen healthy leaves can be collected and kept in pit for compost purpose.   |

#### Live Stock Specific Advisory:

| Live Stock | Live Stock Specific Advisory  |
|------------|---|
| BUFFALO    | Vaccination of FMD (Foot and Mouth Disease) should be given to the animals. Green fodder should be given in less quantity to the animals. It is advised that green fodder can be given to the animals by mixing it in dry fodder. |
| GOAT       | 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.   |
| 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.   |

#### Poultry Specific Advisory:

| Poultry | Poultry Specific Advisory   |
|---------|---|
| HEN     | 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. |

#### Likely impacts of weather warnings (General)

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| Lodging in rice and finger millet and spoilage of harvested produce. |
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#### Impact based advisories (General)

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| The rice and finger millet crop should not be irrigated as strong winds are expected and harvested produce should be dried well under shade. |
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Farmers are advised to download Unified “Mausam” and “Meghdoot” android application on mobile for Weather forecast and weather based Agromet Advisories and “Damini” android application for forecast of Thunderstorm and lightening.

**Mausam MobileApp link:** <https://play.google.com/store/apps/details/>

**Meghdoot MobileApp link: <https://play.google.com/store/apps/details>**

**Damini MobileApp link : <https://play.google.com/store/apps/details>**

