



**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: 08.09.2023**

**Weather Forecast of District NAINITAL (Uttarakhand) Issued On: 2023-09-08 (Valid Till 08:30 IST of the next 5 days)**

| Parameter         | 2023-09-09 | 2023-09-10 | 2023-09-11 | 2023-09-12 | 2023-09-13 |
|-------------------|------------|------------|------------|------------|------------|
| Rainfall (mm)     | 8.0        | 10.0       | 10.0       | 8.0        | 8.0        |
| Max Temp (°C)     | 22.0       | 22.0       | 21.0       | 20.0       | 20.0       |
| Min Temp (°C)     | 14.0       | 14.0       | 14.0       | 14.0       | 14.0       |
| Max RH I (%)      | 95         | 95         | 95         | 95         | 95         |
| Min RH II (%)     | 60         | 70         | 75         | 75         | 75         |
| Wind speed (km/h) | 6          | 6          | 6          | 6          | 6          |
| Wind direction    | 70         | 70         | 70         | 110        | 130        |
| Cloud cover       | 5          | 4          | 3          | 3          | 3          |

**Weather Summary/ Alert:**

In the coming five days, drizzle to light rainfall ranging 8-10 mm is likely to occur upto 24 September. Maximum & minimum temperature may range from 20.0 to 22.0 degree Celsius & 14.0 degree Celsius, respectively. Wind will blow with a speed of 6 km/hr from the East-North-East direction. Light to moderate rain/thunderstorm likely to occur at many places in Nainital on 20th September. Similar conditions are likely to occur at a few places in Nainital on 19th, 21st 22nd & 23rd September. Warning: A yellow warning regarding occurrence of lightning/ thunderstorm accompanied by intense shower has been indicated for 19-23

**General Advisory:**

The district wise weekly average rainfall shows large excess in the district i.e. 157 mm while the extended range rainfall report indicates normal rainfall for the region from 15 to 21st September. The realized rainfall from 7 to 13 September indicates 46% excess rainfall in the state which is 76.1 mm against 62.2 mm and the rainfall forecast map indicates normal rainfall conditions for the state. The farmers are advised to download "Meghdoot App" to get last week's weather, weather forecast and agrometeorological advice and "Damini App" to get lightning information. Meghdoot and Damini apps can be downloaded from Google Play Store (Android users) and App Center (iOS users). This will help them in taking right decisions regarding farming activities.

**SMS Advisory:**

The upcoming week shows light rainfall thus all the farming activities should be done keeping the forecast in mind.

## Crop Specific Advisory:

| Crop (Varieties) | Stage                       | Crop Specific Advisory   |
|------------------|-----------------------------|--|
| Rice             | Panicle initiation/maturity | <p>The rice crop in medium hills should be monitored for disease/pest and on occurrence of bacterial blight symptoms such as water-soaked spots on the leaves which gradually increase to become long stripes ultimately light brown. In case of excessive disease, spray 15 grams of streptocycline + 500 grams of copper oxychloride in 1000 liters of water per hectare. The spray should be done at 7-10 days interval. On the occurrence of stem borer above ETL, chlorantraniliprole 20 SC @150ml/ha or flubendiamide 480 SC @75ml/ha or Fipronil 5 SC @ 1.0 lit or 600 g Cartap hydrochloride 50 WP or 2,5 lit of Chlorpyrifos 20 EC in 500-600 lit of water /ha should be sprayed. On occurrence of common pest 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. All the farming activities should be done keeping the forecast in mind. The matured rice varieties should be harvested.</p> |
| Finger millet    | Panicle initiation/maturity | <p>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. All the farming activities should be done keeping the forecast in mind. The matured millet varieties should be harvested</p>   |
| Maize            | Vegetative/maturity         | <p>In higher hills, monitor the crop properly and on cob formation apply light irrigation as per the forecast. Apply Mancozeb or Zineb 75 WP @ 1. 5 -2. 0 kg in 750- 800 litres of water per hectare on occurrence of blight (Yellow or brown coloured egg ship shaped spots). Second spraying should be done at 10-15 days interval. All the farming activities should be done keeping the forecast in mind. The early maize varieties should be harvested.</p>   |
| Green gram       | Vegetative/Maturity         | <p>The crop in the vegetative stage should be monitored regularly. Weeding operation should be taken up in the last month sown crop and light irrigation should be applied as per the forecast and requirement of the crop. 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. All the farming activities should be done keeping the forecast in mind. The mature crop should be harvested and stored for procurement/ consumption.</p>  |
| Black gram       | Vegetative/Maturity         | <p>The crop in the vegetative stage should be monitored regularly. Weeding operation should be taken up in the last month sown crop and light irrigation should be applied as per the forecast and requirement of the crop. 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. All the farming activities should be done keeping the forecast in mind. The mature crop should be harvested for procurement/consumption.</p>  |
| Soyabean         | Flowering/pod               | <p>Monitor the crop regularly and in case of occurrence of stem fly apply</p>  |

|                             |            |  |
|-----------------------------|------------|--|
|                             | formation  | Chlorantraniliprole 18.5 SC @150 ml mixed in 700-800 litre of water. The application is effective for girdle beetle. All the farming activities should be done keeping the forecast in mind.   |
| Pigeon Pea (Red Gram/Arhar) | Vegetative | On occurrence of pods to prevent dryness of the field, light irrigation should be applied to the crop as per the forecast and requirement. 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 Ema mectin benzoate 5 SG @220 mg or Spinosad 45 SC @125-162 ml/ha. All the farming activities should be done keeping the forecast in mind. |

### Horticulture Specific Advisory:

| Horticulture (Varieties) | Stage              | Horticulture Specific Advisory   |
|--------------------------|--------------------|--|
| Cauliflower              | Transplanting      | 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. |
| Radish                   | Sowing/germination | In radish crop on occurrence of dry weather light irrigation should be given just after sowing and second irrigation on appearance of 3-4 leaves   |
| Carrot                   | Sowing/germination | After germination regular weeding should be done and plant to plant distance should be maintained at 6-10 cm.  |
| Sem/Bakla                | Sowing             | Sowing can be taken up in this month. All the farming activities should be done keeping the forecast in mind.  |

### Live Stock Specific Advisory

| Livestock  | Live Stock 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.   |