



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



Agromet Advisory Bulletin

Date: 02.02.2024

Weather Forecast of District NAINITAL (Uttarakhand) Issued On: 2024-02-02(Valid Till 08:30 IST of the next 5 days)

| Parameter | 03/02/2024 | 04/02/2024 | 05/02/2024 | 06/02/2024 | 07/02/2024 |
|--------------------------|------------|------------|------------|------------|------------|
| Rainfall (mm) | 0.0 | 0.0 | 12.0 | 8.0 | 2.0 |
| Max Temp (°C) | 17.0 | 18.0 | 16.0 | 15.0 | 15.0 |
| Min Temp (°C) | 3.0 | 5.0 | 7.0 | 6.0 | 6.0 |
| Max RH I (%) | 65 | 65 | 75 | 75 | 75 |
| Min RH II (%) | 25 | 25 | 35 | 35 | 35 |
| Wind speed (km/h) | 1 | 1 | 2 | 2 | 2 |
| Wind direction | 320 | 320 | 320 | 320 | 230 |
| Cloud cover | 0 | 0 | 8 | 6 | 3 |

Weather Summary/ Alert:

In the upcoming days light to moderate rainfall of 2-12 mm has been predicted from 4 - 6 February. Maximum & minimum temperature may be 15.0-18.0 degree Celsius & 3.0- 7.0 degree Celsius, respectively. Wind is expected to blow with a speed of 1-2 km/hr primarily from the north-west direction. Dry weather is likely to prevail on 3rd and 6th Feb 2024 while light to moderate rain is likely to occur on 4th February, 2024 at many places. Very light to light rain is likely to occur on 5th February, 2024 at few places. The rainfall is expected to be accompanied by thunderstorm with lightning/hailstorm at isolated places n 4 and 5 February, 2024. Ground Frost is likely to occur at few places in Nainital district on 02.02.2024.

General Advisory:

A regular update regarding weather forecast and agrometeorological advisory is available on the "Meghdoot App" and "Damini App" is also available to get lightning information. Meghdoot and Damini apps can be downloaded from Google Play Store (Android users) and App Center (iOS users). The NDVI composite shows good agricultural vigour in the region. The extended range forecast system shows normal rainfall, maximum and minimum temperature trend during 2 to 8 February. A yellow alert regarding ground frost occurrence and thunderstorm/lightning and hailstorm has been given so the farming activities should be scheduled accordingly.

SMS Advisory:

Likely occurrence of light to moderate rainfall accompanied by thunderstorm/hailstorm/lightning and ground frost occurrence so farming operations should be scheduled accordingly.

Crop Specific Advisory:

| Crop (Varieties) | Stage | Crop Specific Advisory |
|---|-----------------------|--|
| Lentil | Vegetative | The crop should be regularly monitored for weeding and hoeing while irrigation should be applied as per requirement. Occurrence of plant rot can be treated with appropriate fungicide application. Any kind of farming operation should be scheduled as per the forecast. |
| Rapeseed (Lahi/Ghariya) and Yellow Mustard (Rada) | Vegetative/ flowering | The crop should be monitored regularly and time to time irrigation should be provided. Diseases should be monitored and control measures should be taken up. Any kind of farming operation should be scheduled as per the forecast. |

| | | |
|--------|------------|---|
| Wheat | Vegetative | Irrigation should be applied as per requirement and urea application should be done after irrigation. Any kind of farming operation should be scheduled as per the forecast. |
| Barley | Vegetative | Irrigation should be applied as per requirement and urea application should be done after irrigation. Any kind of farming operation should be scheduled as per the forecast. |

Horticulture Specific Advisory:

| Horticulture (Varieties) | Stage | Horticulture Specific Advisory |
|--------------------------|------------------------|---|
| Capsicum | Nursery | Seeds should be sown in the prepared nursery and seedlings should be protected from frost and extreme cold conditions by using plastic covers with proper air and water movement. Any kind of farming operation should be scheduled as per the forecast. |
| Vegetable pea | Flowering | The crop should be regularly monitored for weeding and hoeing while irrigation should be applied as per requirement. Occurrence of plant rot can be treated with appropriate fungicide application. Any kind of farming operation should be scheduled as per the forecast. |
| Spinach | Vegetative | Time to time irrigation to avoid chilling injury should be applied and proper measures to protect them against cold conditions should be taken up. Any kind of farming operation should be scheduled as per the forecast. |
| Potato | Physiological maturity | To control the late blight disease in potato, it is advised that solution of Mancozeb@ 2.5g/liter of water should be sprayed. Any kind of farming operation should be scheduled as per the forecast. |
| Apple | | To control the fruit Rot disease in apple and seed bearing fruits, soil should be removed from the surrounding area of the stem so that the sunrays may enter directly in the stem of the affected tree. Affected bark should be removed and chaubatia paste should be applied along with soil covering. Any kind of farming operation should be scheduled as per the forecast. |

Live Stock Specific Advisory

| Livestock | Live Stock Specific Advisory |
|-------------|---|
| Cow/Buffalo | To save the animal from cold, increase the amount of oil and Jaggery (Gur) in the food of animals. Caraway (Ajwain) and gur also be given to the animals. To save the animals from cold, proper arrangement of animal shed should be done. Vaccination should be given to the animals to save them from Rinderpest disease (Sheetla rog).The animal feed should be increased by 10% for extra energy requirement. |
| Hen | Medicine as per the veterinarian should be administered for aflatoxiosis caused due to fungal growth in their feed. |