



Gramin Krishi Mausam Sewa
District Level Agromet Advisory Bulletin
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Agromet Advisory Bulletin

Date: 28.03.2024

Weather Forecast of District NAINITAL (Uttarakhand) Issued On: 2024-03-28(Valid Till 08:30 IST of the next 5 days)

| Parameter | 29/03/2024 | 30/03/2024 | 31/03/2024 | 01/04/2024 | 02/04/2024 |
|--------------------------|------------|------------|------------|------------|------------|
| Rainfall (mm) | 5.0 | 10.0 | 15.0 | 5.0 | 0.0 |
| Max Temp (°C) | 27.0 | 28.0 | 29.0 | 27.0 | 26.0 |
| Min Temp (°C) | 15.0 | 16.0 | 14.0 | 14.0 | 13.0 |
| Max RH I (%) | 75 | 75 | 75 | 75 | 65 |
| Min RH II (%) | 45 | 45 | 45 | 45 | 35 |
| Wind speed (km/h) | 2 | 2 | 2 | 2 | 1 |
| Wind direction | 320 | 140 | 140 | 320 | 320 |
| Cloud cover | 7 | 7 | 8 | 6 | 1 |

Weather Summary/ Alert:

The upcoming days is expected to experience very light to light rainfall of 5-15 mm from 28-31 March with maximum-minimum temperature of 26-29°C and 13-16°C, respectively. The wind is expected to blow from north-west and south-east direction with a speed of 1-2 kmph. Very light to light rain likely to occur at isolated places on 28th, 29th & 31st March and light to moderate rain is likely to occur at few places on 30th March. Dry weather likely to prevail on 01st April 2024. A yellow warning regarding occurrence of thunderstorm with lightning/hailstorm is expected at isolated places on 28th, 29th & 30th March while an orange alert regarding gusty winds (40-50 kmph) are occurrence at isolated places has been given for 29th and 30th March.

General Advisory:

A regular update regarding weather forecast and agrometeorological advisory is available on the “Meghdoot App” while "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 moderate agricultural vigour in the region. The extended range forecast system shows that the predicted trend from 22-28 March would observe large deficit rainfall and normal maximum-minimum temperature trend. Appropriate irrigation measures and chemical application as required at critical stages of crop should be provided. The orchards should not be ploughed at flowering time and irrigation application should be done as required. Insecticide application should be avoided at flowering time as it would harm the pollinators. The sowing should be scheduled as per the IMD forecast.

SMS Advisory:

As per the IMD forecast light to moderate rainfall along with thunderstorm/hailstorm and gusty winds (40-50 kmph) warning has been issued so farming activities should be scheduled accordingly.

Crop Specific Advisory:

| Crop (Varieties) | Stage | Crop Specific Advisory |
|-----------------------|----------------------------|---|
| Lentil/Field pea | physiological maturity | Irrigation should be applied at pod formation stage and recommended insecticide or disease control measures should be followed against pod borer, leaf minor or aphid attack. Harvest mature pods and store well. The irrigation and chemical application should be scheduled as per the forecast. |
| Yellow Mustard (Rada) | physiological maturity | The mature crop should be harvested and dried well before threshing while appropriate irrigation measures should be taken at pod development stage. The harvested pods should be stored well as per the forecast. |
| Wheat | Grain filling and maturity | The irrigation application should be scheduled as per the requirement and appropriate weed management measures should be taken against major competitive weeds. Disease/pest should be controlled and urea application should be done at flowering stage under rainfed conditions. The irrigation and chemical application should be scheduled as per the forecast. |
| Rice | Sowing | Sowing of Chetki Dhan can be done during this month. Sowing can be delayed under the forecasted conditions. |

Horticulture Specific Advisory:

| Horticulture (Varieties) | Stage | Horticulture Specific Advisory |
|--------------------------|-----------------|---|
| French bean | Seedling growth | Germinated seedlings should be irrigated as required. The irrigation application should be scheduled as per the forecast. |
| Carrot/Radish | Sowing | Sowing of european varieties can be done in the hilly areas. Sowing can be delayed. |
| Tomato/capsicum/brinjal | Transplanting | Polyhouse/Polynet preparation of tomato/brinjal/capsicum can be done in the midhills. Sowing can be delayed. |

Live Stock Specific Advisory

| Livestock | Live Stock Specific Advisory |
|-------------|--|
| Buffalo/cow | To prevent Puerperal fever in pregnant animals, 50-60 grams of mineral mixture should be fed to them everyday to boost their immunity as they are prone to sterility and Johne's disease (Paratuberculosis) during this time. In adult animals, deworming medicine must be used 15 days before vaccination against foot and mouth disease. |