



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

Date: 14.06.2024

Weather Forecast of District NAINITAL (Uttarakhand) Issued On: 2024-06-14(Valid Till 08:30 IST of the next 5 days)

| Parameter | 15/06/2024 | 16/06/2024 | 17/06/2024 | 18/06/2024 | 19/06/2024 |
|-------------------|------------|------------|------------|------------|------------|
| Rainfall (mm) | 0.0 | 0.0 | 0.0 | 0.0 | 10.0 |
| Max Temp (°C) | 31.0 | 30.0 | 29.0 | 29.0 | 27.0 |
| Min Temp (°C) | 19.0 | 19.0 | 18.0 | 16.0 | 15.0 |
| Max RH I (%) | 65 | 65 | 65 | 65 | 70 |
| Min RH II (%) | 25 | 25 | 25 | 25 | 30 |
| Wind speed (km/h) | 11 | 12 | 12 | 12 | 12 |
| Wind direction | 270 | 270 | 270 | 130 | 130 |
| Cloud cover | 1 | 1 | 1 | 1 | 1 |

Weather Summary/ Alert:

The upcoming week predicts light rainfall of 10 mm and maximum-minimum temperature varying between 27.0-31.0°C and 15.0-19.0°C, respectively. The wind is expected to blow from south-east and west at a speed of 11-12 kmph. Light to moderate rainfall likely to occur at isolated places on 16th & 17th June, 2024. Dry weather is likely to prevail during rest of the period. The district forecast shows an occurrence of heat wave at few places with orange alert on 14 and 15 June while a yellow alert regarding thunderstorm, lightning and strong winds (30-40 kmph) or heat wave occurrence at few places has been given for 16 and 17 June. A yellow alert regarding occurrence of thunderstorm, lightning and strong winds (50-60 kmph) has been given for 18 June.

General Advisory:

Farmers can download the "Meghdoot" and "Damini" app available for regular update of meteorological and lightning data, respectively from Google Play Store (Android users) and App Centre (iOS users). The NDVI shows good agricultural vigour in the region. The extended range forecast shows large deficient rainfall and above normal maximum and normal minimum temperature trend during 14.06.2024 to 20.06.2024. Irrigation should be applied as required and farming activities should be scheduled as per the forecast.

SMS Advisory:

Irrigation should be applied to the crops as required and other farming activities should be scheduled as per the forecast.

Crop Specific Advisory:

| Crop (Varieties) | Stage | Crop Specific Advisory |
|------------------|--------|--|
| Rice | Sowing | Prepare nurseries under irrigated conditions in the valley and low hills. Protect the young seedlings using shade nets. Apply irrigation as and when required. |

| | | |
|-------------------------------|------------------------|---|
| Pigeon pea/Red gram/Arhar | Sowing/Seedling growth | Regular weeding-hoeing and irrigation application should be followed in the crop. Protect the seedlings using shade nets and shelter belts. |
| Maize | Sowing/Germination | Maize sowing should be completed in the lower and middle hilly regions. The weeds can be controlled using Atrazine spray @50 W.P. after 2-3 days of sowing. Protect the young seedlings using shade nets and shelter belts. |
| Finger millet/Barnyard millet | Sowing/Germination | Sowing of traditional or high yielding varieties of mandua, jhangora, kakun and ramdana should be done in the higher hills. Light irrigation should be applied after sowing. The young seedlings should be protected against direct sunlight exposure using shade nets and shelter belts. |
| Soyabean | Sowing/Germination | Sowing of high yielding varieties can be done in the middle and lower hills. Irrigation should be applied just after sowing. Provide shade nets and shelter belts to prevent heat stress. |

Horticulture Specific Advisory:

| Horticulture (Varieties) | Stage | Horticulture Specific Advisory |
|--------------------------|---------------------------------|---|
| Tomato | Harvesting | Farmers should harvest the ripened tomato crop. There are chances of occurrence of disease after rainfall so destroy infected plants (when shriveled pitted leaves are visible) to control viral diseases. Polyhouses or shade nets should be provided to protect the fruits. Farming activities should be scheduled as per the forecast. |
| Frenchbean | Harvesting | Harvest the ripened crop and irrigate as and when required. |
| Potato | Harvesting | The harvested crop should be stored well. |
| Peach/Plum | Fruiting/Physiological maturity | Regular irrigation should be applied to reduce fruit drop and conserve soil moisture to maintain temperatures. |

LiveStock Specific Advisory

| Livestock | LiveStock Specific Advisory |
|-------------|---|
| Cow/Buffalo | Keep the animals under shade. Proper vaccination should be provided. Regular supply of drinking water should be maintained to avoid heat stress. Fans and coolers should be provided in the sheds. Buffaloes should be kept for wallowing to avoid heat stress. |

Others (Soil/Land Preparation)

| Others (Soil/Land Preparation) | Others (Soil/Land Preparation) Specific Advisory |
|--------------------------------|--|
| General Advice | To save fruit drop soil conservation measures like mulching should be done in the basins and irrigation should be applied. Use shelter belts, wind breaks and shade nets in young seedlings and fruiting plants. |