



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



Agromet Advisory Bulletin

Date: 18.06.2024

Weather Forecast of District NAINITAL (Uttarakhand) Issued On: 2024-06-18(Valid Till 08:30 IST of the next 5 days)

Parameter	19/06/2024	20/06/2024	21/06/2024	22/06/2024	23/06/2024
Rainfall (mm)	4.0	20.0	1.0	0.0	1.0
Max Temp (°C)	31.0	28.0	27.0	27.0	26.0
Min Temp (°C)	17.0	16.0	16.0	15.0	15.0
Max RH I (%)	75	75	65	65	70
Min RH II (%)	25	30	30	25	30
Wind speed (km/h)	14	10	8	10	8
Wind direction	110	110	110	270	270
Cloud cover	1	3	1	1	3

Weather Summary/ Alert:

The upcoming week predicts light to moderate rainfall of 1-20 mm and maximum-minimum temperature varying between 26.0-31.0°C and 15.0-17.0°C, respectively. The wind is expected to blow from east-south-east and west at a speed of 8-14 kmph. Light to moderate rainfall is likely to occur at a few places on 19th June and at isolated places in Nainital district on 20th June. Very light to light rainfall likely to occur at isolated places in Nainital district on 18th June while dry weather is likely to prevail during rest of the period. An orange alert regarding occurrence of heat wave to severe heat wave condition is likely to occur at a few places on 18th June and similar conditions might continue at isolated places on 19th June. A yellow alert regarding occurrence of thunderstorm accompanied with lightning/ squall (50-60 kmph) has been given for isolated places on 19th & at isolated places in Nainital district on 18th & 20th 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 and when required and wind breaks/shelter belts should be used to protect the crop against heat waves.

SMS Advisory:

As per the forecast by IMD, light to moderate rainfall with thunderstorm/lightning and heat wave condition is expected so farming activities should be scheduled accordingly.

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. Schedule the farming operations as per the forecast.
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. Schedule the farming operations as per the forecast.
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. Schedule the farming operations as per the forecast.
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. Schedule the farming operations as per the forecast.
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. Schedule the farming operations as per the forecast.

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. Farming activities should be scheduled as per the forecast.
Potato	Harvesting	The harvested crop should be stored well. Farming activities should be scheduled as per the forecast.
Peach/Plum	Fruiting/Physiological maturity	Regular irrigation should be applied to reduce fruit drop and conserve soil moisture to maintain temperatures. Farming activities should be scheduled as per the forecast.

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.