



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

Date: 21.05.2024

Weather Forecast of District NAINITAL (Uttarakhand) Issued On: 2024-05-21(Valid Till 08:30 IST of the next 5 days)

Parameter	22/05/2024	23/05/2024	24/05/2024	25/05/2024	26/05/2024
Rainfall (mm)	7.0	0.0	0.0	0.0	0.0
Max Temp (°C)	27.0	27.0	28.0	28.0	28.0
Min Temp (°C)	14.0	14.0	15.0	15.0	16.0
Max RH I (%)	70	65	65	65	65
Min RH II (%)	30	30	30	30	30
Wind speed (km/h)	10	10	8	8	8
Wind direction	130	130	130	130	130
Cloud cover	1	1	1	1	1

Weather Summary/ Alert:

The upcoming week predicts very light rainfall of 7 mm on 21 May and maximum-minimum temperature varying between 27.0-28.0°C and 14.0-16.0°C, respectively. The wind is expected to blow from south-east direction at a speed of 8-10 kmph. Dry weather would prevail during the upcoming week.

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 moderate agricultural vigour in the region. The extended range forecast shows large deficient rainfall and normal maximum-minimum temperature trend during 17.05.2024 to 23.05.2024. Dry weather has been predicted so frequent irrigation and application of 1% boron, 1% KNO₃, ascorbic or salicylic acid to control heat shock in crops.

SMS Advisory:

As per IMD, dry weather has been predicted so the farming operations should be scheduled to avoid heat shocks in crop plants.

Crop Specific Advisory:

Crop (Varieties)	Stage	Crop Specific Advisory
Rice	Sowing	In medium higher hills under irrigated conditions nursery should be prepared and treated seeds of high yielding varieties should be used. Regular weeding-hoeing and irrigation application should be done in Chetki Dhan. Water should be maintained in the nurseries to avoid seedling damage.
Pigeon pea/Red gram/Arhar	Sowing/Germination	The crop should be irrigated as and when required and regular weeding-hoeing should be done. 1% KNO ₃ spray for moisture stress or application of ascorbic/salicylic acid to avoid heat shock in plant.
Maize	Sowing	Maize sowing can be continued and irrigation should be applied as

		and when required. Mulching should be done to conserve moisture.
Barnyard millet	Sowing	Traditional varieties or high yielding varieties should be sown in the higher hills. Light irrigation should be applied after sowing.
Finger millet	Sowing	In higher hills these crops can be sown in the second fortnight. High yielding and well treated seeds should be used. Light irrigation should be applied after sowing.

Horticulture Specific Advisory:

Horticulture (Varieties)	Stage	Horticulture Specific Advisory
Capsicum/ brinjal	Vegetative	In one month old transplanted crop, top dressing of urea should be done. Mulching should be done to conserve moisture.
Pumpkin/Other cucurbits	Vegetative/fruiting	In case of leaves giving a mottled appearance, the plants should be separated and sarvangi should be used for sucking pests. Regular irrigation should be applied as required. 1% KNO ₃ spray for moisture stress or application of ascorbic/salicylic acid to avoid heat shock in plant.
Mango	Fruiting	Higher temperatures may cause fruit drop and effect the fruit growth so regular spraying of water and 1% boron should be done to avoid heat shock. Regular irrigation and mulch practice should be followed to conserve moisture.
Litchi	Fruiting	Less water and humidity cause fruit splitting thus regular spraying of water and 1% boron should be done to avoid heat shock. Regular irrigation and mulch practice should be followed to conserve moisture.
Peach/Plum	Fruiting	Higher temperatures may cause fruit drop and effect the fruit growth so regular spraying of water and 1% boron should be done to avoid heat shock. Regular irrigation and mulch practice should be followed to conserve moisture.

LiveStock Specific Advisory

Livestock	LiveStock Specific Advisory
Cow	Temperature of animal shed should be maintained using cooling devices such as fan, cooler or latest cooling device to maintain the productivity of foreign cows and save them from diseases. Foreign cows are unable to tolerate excessive heat, due to which their ability to consume food decreases which affect their production. Therefore, to maintain the production of foreign cows and to prevent diseases, temperature of animal shed should be maintained using cooling equipment like fan, cooler or latest cooling devices.
Buffalo	In the summer season, time to time spraying of melathiyam or other insecticide should be done in the drains near the animal shed. Due attention should be given to arrangements for provision of water to animals. The drinking troughs should be kept clean and animals should be provided water at least four times during the day. If symptoms of mastitis are seen in dairy cattle, treat it immediately

Others (Soil/Land Preparation)

Others (Soil/Land Preparation)	Others (Soil/Land Preparation) Specific Advisory
General Advice	Intercultural operations should be done in cucurbits. Irrigation should be applied to the crops during evening hours. Mulch should be used to conserve moisture.