



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



Agromet Advisory Bulletin

Date: 17.05.2024

Weather Forecast of District NAINITAL (Uttarakhand) Issued On: 2024-05-17(Valid Till 08:30 IST of the next 5 days)

Parameter	18/05/2024	19/05/2024	20/05/2024	21/05/2024	22/05/2024
Rainfall (mm)	0.0	0.0	0.0	0.0	7.0
Max Temp (°C)	27.0	27.0	27.0	28.0	28.0
Min Temp (°C)	16.0	16.0	16.0	16.0	16.0
Max RH I (%)	65	65	65	65	70
Min RH II (%)	30	30	30	30	30
Wind speed (km/h)	8	10	10	10	10
Wind direction	270	270	270	130	130
Cloud cover	1	2	1	1	2

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 16.0°C, respectively. The wind is expected to blow from west and south-west direction at a speed of 8-10 kmph. Light to moderate rainfall is likely to occur at isolated places in Nainital district on 21st May. Dry weather is likely to prevail during the period. A yellow warning regarding occurrence of heat wave condition is likely to occur at a few places in plains of Nainital on 18th, 19th & 20th May while thunderstorm warning accompanied with lightning is likely to occur at isolated places on 21st May.

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 and bare soil condition in the region due to harvest and fresh sowing of most of the crops. The extended range forecast shows large deficient rainfall and normal maximum-minimum temperature trend during 17.05.2024 to 23.05.2024. Dry weather and heat wave condition has been predicted so frequent irrigation should be applied as and when required by the crops.

SMS Advisory:

As per the IMD forecast heat wave and thunderstorm activities have been predicted so frequent irrigation should be applied to the crop and unnecessary sun exposure should be avoided.

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.
Pigeon pea/Red gram/Arhar	Sowing	Short duration varieties should be sown and well treated, high yielding

		varieties should be used.
Maize	Sowing	In mid hilly areas, sowing of crop can be done in the second fortnight of the month.
Barnyard millet	Sowing	Traditional varieties or high yielding varieties should be sown in the higher hills.
Finger millet	Sowing	In higher hills these crops can be sown in the second fortnight. High yielding and well treated seeds should be used.

Horticulture Specific Advisory:

Horticulture (Varieties)	Stage	Horticulture Specific Advisory
Onion	Maturity	If onion crops are ready and leaves are falling on the surface then irrigation should be stopped and digging should be done in the upcoming 15-20 days.
Tomato	Vegetative	To control of viral diseases in tomato crop, remove and destroy the infected plants (when shrunken speckled leaves are visible), To control the juice sucking insect in these crops, sarvangi insecticide should be sprayed. To save the crop from blight disease, it is advised that solution of Mancozeb @ 2.5g/liter or copper oxichloride @ 3g/lit of water should be sprayed.
Chilli	Vegetative	To control of viral diseases in chilli crop, infected plants (contracted piebald leaves) should be removed and destroyed. (when shrunken speckled leaves are visible), To control the juice sucking insect in these crops, sarvangi insecticide should be sprayed. To save the crop from blight disease, it is advised that solution of Mancozeb @ 2.5g/liter or copper oxichloride @ 3g/lit of water should be sprayed.
Capsicum/ brinjal	Vegetative	In one month old transplanted crop, top dressing of urea should be done.
Garlic	Physiological maturity	Irrigation should be stopped in the mature garlic crop and harvesting of bulbs should be done and dried in shade.

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 melathiyani 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	Soil sample should be taken from 10-15 different places in this month from fallow field after harvesting of rabi crops. Soil sample should be taken up to the depth of 20cm.