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

Date: 06.10.2023

Weather Forecast of District UDHAMSINGH-NAGAR (Uttarakhand) Issued On: 2023-10-06 (Valid Till 08:30 IST of the next 5 days)

Parameter	07/10/2023	08/10/2023	09/10/2023	10/10/2023	11/10/2023
Rainfall (mm)	0.0	0.0	0.0	0.0	2.0
Max Temp (°C)	33.0	33.0	33.0	34.0	34.0
Min Temp (°C)	22.0	22.0	22.0	21.0	20.0
Max RH I (%)	75	75	70	70	70
Min RH II (%)	40	40	40	40	40
Wind speed (km/h)	6	8	6	6	8
Wind direction	70	70	70	70	70
Cloud cover	1	1	2	2	1

Weather Summary/ Alert:

In the last seven days (29 September to 5 October) 0.0 mm rainfall was recorded with maximum and minimum temperatures ranging between 33.0 to 34.6°C and 20.9 to 24.3°C. During the last week weather remained clear. Morning relative humidity at 0712 hrs ranged between 88 to 94% and evening relative humidity at 1412 hrs ranged between 44 to 55%. Wind speed was 0.2 to 0.6 km per hour and wind direction was mostly north-north-east. The upcoming 5 days forecast shows clear weather with 2.0 mm rainfall on 10th October. The maximum and minimum temperatures would vary between 33 to 34 degrees Celsius and 20-22 degrees Celsius. Winds with a speed of 6-9 kmph will mostly blow from the east-north-east direction. The weather is expected to be dry.

General Advisory:

The District-wise weekly average rainfall indicates deficient rainfall in the upcoming week. The NDVI composite indicates good agricultural activity in the district. The farmers are advised to download "Meghdoot App" to get last week's weather, weather forecast and agrometeorological advice and "Damini App" to get lightning information. Meghdoot and Damini apps can be downloaded from Google Play Store (Android users) and App Center (iOS users). This will help them in taking right decisions regarding farming activities.

SMS Advisory:

The prediction shows dry weather in the region so light irrigation should be applied to maintain soil moisture in the crop field.

Crop Specific Advisory:

Crop (Varieties)	Stage	Crop Specific Advisory
Rice	Reproductive/Grain filling	To prevent infestation of common pest of rice i.e brown plant hopper, farmers need to spray Triflumezopyrim 10 SC @235ml/ Fipronil 5 SC @1000 ml/ Buprofezin 25 SC @1 litre/ Thiamethoxam 25 WSG @100gm mixed in 500 litre water per hectare. The spray should be done near the stem. Buprofezin should be used in case of less infestation, Triflumezopyrim in case of heavy infestation and Fipronil 5 SC in case of stem borer+brown plant hopper attack.
Sugarcane	Grand growth phase/Sowing	To prevent prevalent whip smut disease, farmers need to use resistant varieties and treated canes for sowing purpose. The infested whips and their groups should be carefully removed and either burned or buried in the soil. The harvested canes should not be kept in the field to avoid infection. Efficient crop rotation or intercropping with Arhar can reduce the infection intensity. The sowing of autumn sugarcane should be done till 15th October with treated sugarcane seed by Carbendazim 50% WP @0.1% solution for 10 mins. For autumn sowing the lower 2/3rd portion of sugarcane stalk is used.
Maize	Maturity/Harvesting	Avoid bird attacks by appropriate farming measures in mature cobs. The cobs should be harvested when covered with yellow leaves.
Green gram Black gram Soyabean	pod formation/Maturity	The maturing pulse crop should be harvested accordingly and kept for drying.
Pigeon pea/red gram (arhar)	pod formation	Provide light irrigation after pod formation and keep monitoring for pests/diseases. On the presence of yellow mosaic virus transmitted by whitefly, pyriproxyfen 10 E.C. @0.5 litre/hectare mixed in 500-600 liters of water should be applied regularly at an interval of 10-12 days. Farmers should use varieties resistant to yellow mosaic virus.
Groundnut	Pegging/ maturity	On pegging or pod formation sufficient soil moisture should be maintained by irrigating as and when required. The timely sown crop should be dug and stored after drying.
Sesame (Gingelly/Till)	Vegetative	Phyllody is caused by phytoplasm that changes the shape of plants, flowers and leaves to bunch and is spread by plant hopper. This can be prevented by timely sowing of crop, application of Methyl-o-Demeton 25 E.C. @1.0 l/ha at an interval of 10-15 days and burning of the affected plants.
Rapeseed (Lahi) and Mustard	Sowing	The crop should be sown between end September and 1st fortnight of October. The sowing should be done at line to line distance of 45cm and 30 cm from the bunds. The seeds should be treated with Metalaxyl 35 W.S. @4 g/kg seed.

Horticulture Specific Advisory:

Horticulture (Varieties)	Stage	Horticulture Specific Advisory
Cauliflower	Maturity/Vegetative	The early varieties should be harvested and sent to the market for consumption. Regular practices like weeding, hoeing and irrigation application should be monitored.
Radish/Carrot/Beetroot	Sowing/germination	The soil moisture should be maintained in the field and regular weeding and thinning of the crop should be done.

Spinach/Fenugreek	Sowing/germination	This is the best sowing time for leafy vegetable purpose. 3-4 irrigations are must for entire crop season and soil moisture should be maintained during the period.
Citrus	Fruiting	If symptoms of citrus yellow mosaic virus is observed then prune the infected twigs and spray systemic insecticide such as imidacloprid 17.8 SL 1 ml/3 litre water or Thiamethoxam 25% WG @ 1g/3 litre water. Apply first spray of Thiamethoxam during initial appearance of pest and repeat 2 – 3 sprays at 15 – 21 days interval depending on the level of pest intensity.

Live Stock Specific Advisory

Livestock	Live Stock Specific Advisory
Buffalo/Cows	Before breeding, cows/buffaloes should be given vaccines of Vibriosis-L-5, IVR, BVD, parainfluenza etc. jointly or separately.

Poultry Specific Advisory

Poultry	Poultry Specific Advisory
Hens	Deworming doses should be given to the poultry birds on the recommendation of veterinarian because worms in the poultry birds lessen the production capacity of eggs.