



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

Date: 26.09.2023

Weather Forecast of District NAINITAL (Uttarakhand) Issued On: 2023-09-26 (Valid Till 08:30 IST of the next 5 days)

Parameter	2023-09-27	2023-09-28	2023-09-29	2023-09-30	2023-10-01
Rainfall (mm)	0.0	0.0	0.0	1.0	1.0
Max Temp (°C)	24.0	23.0	23.0	23.0	22.0
Min Temp (°C)	12.0	12.0	12.0	12.0	12.0
Max RH I (%)	95	90	90	90	85
Min RH II (%)	65	55	50	50	35
Wind speed (km/h)	6	6	6	6	6
Wind direction	130	110	70	70	70
Cloud cover	2	1	1	2	4

Weather Summary/ Alert:

In the coming five days, light drizzle of 1 mm is likely to occur on 29 and 30 September. Maximum & minimum temperature may range from 22.0 to 24.0 degree Celsius & 12.0 degree Celsius, respectively. Wind is expected to blow with a speed of 6 km/hr from the East-North-East direction. Light to moderate rain/thunderstorm is likely to occur at a isolated places.

General Advisory:

The forecast for the week (22-28 September) indicates largely deficient rainfall. The weekly average range rainfall shows normal rainfall i.e.51.9 mm. The NDVI range indicates moderate agricultural activity in the region. 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 indicates dry weather with light drizzle during the upcoming week so the agricultural activities can be done well in time.

Crop Specific Advisory:

Crop (Varieties)	Stage	Crop Specific Advisory
Rice	Reproductive stage	On occurrence of common pest i.e. brown plant hopper, farmers need to

	/maturity	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. The matured early varieties should be harvested. The application should be done under clear weather conditions.
Finger millet	Reproductive stage /maturity	In late maturing varieties of millets, keep monitoring the crop as the stem borer harms the crop. For its prevention, Fipronil 5 S. C. @1 liter or Cartap Hydrochloride 50W. P. Spray 600 grams or Chlorpyrifos 20 E. C. @2. 5 liters dissolved in 500-600 liters of water should be sprayed on the affected region. The chemical application should be done keeping the forecast in mind. The application should be done under clear weather conditions. The matured millet varieties should be harvested.
Maize	Vegetative/maturity	Apply Mancozeb or Zineb 75 WP @ 1. 5 -2. 0 kg in 750- 800 litres of water per hectare on occurrence of blight (Yellow or brown coloured egg ship shaped spots). Second spraying should be done at 10-15 days interval. The chemical application should be done keeping the forecast in mind. The early maize varieties should be harvested.
Green gram Black gram	Maturity/Harvesting	The mature crop should be harvested and stored for procurement/ consumption.
Soyabean	Flowering/pod formation	Monitor the crop regularly and in case of occurrence of stem fly apply Chlorantraniliprole 18.5 SC @150 ml mixed in 700-800 litre of water. The application is effective for girdle beetle. The chemical application should be done keeping the forecast in mind.
Pigeon Pea (Red Gram/Arhar)	Vegetative	On occurrence of pods to prevent dryness of the field, light irrigation should be applied to the crop as per the forecast and requirement. On appearance of pod borer, apply pheromone @5-6 traps/ha in the field at the time of flowering. If 5-6 moths per trap were seen continuously for two-three days, then use one of the following drugs i.e. N.P.V. @500 borer equivalent B. T. @1 kg/ha. Nimboli 5% + 1% soap solution and Indoxacarb 14. 5 E.C. @353 -400 ml or Ema mectin benzoate 5 SG @220 mg or Spinosad 45 SC @125-162 ml/ha. The chemical application should be done keeping the forecast in mind.
Rapeseed (Lahi/Ghariya) and Yellow Mustard (Rada)	Sowing	After harvesting rice in the valleys and low while after harvesting pulses and millets in the medium and higher hills the toria and yellow mustard crop should be sown between end September and 1 st 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	Seedling	Four to six weeks after transplanting, light hoeing should be done and soil should be applied to the roots. Active Ingredient fluchlorolin @1.0 kg/ha should be applied for chemical weed control one day before planting. The chemical application should be done keeping the forecast in mind
Radish/Carrot	Sowing/germination	The soil moisture should be maintained in the field and regular weeding and thinning of the crop should be done

Sem/Bakla	Sowing	Sowing can be taken up in this month. All the farming activities should be done keeping the forecast in mind.
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
Cow	After 15 days calves should be fed with calcium, magnesium, phosphorus, zinc, iron, iodine and copper elements should be consumed in the form of salt mixture or mineral drops.
Goat/Sheep	In rural areas, 2 shots of tetanus toxoid should be administered to sheep and goats at one month and the other at 5 months, so that newborn lambs do not get tetanus disease.

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.