



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



Agromet Advisory Bulletin

Date : 06-09-2024

Weather Forecast of District UDAMSINGH-NAGAR(Uttarakhand) Issued On : 2024-09-06(Valid Till 08:30 IST of the next 5 days)

Parameter	2024-09-07	2024-09-08	2024-09-09	2024-09-10	2024-09-11
Rainfall(mm)	10.0	5.0	3.0	2.0	2.0
Tmax(°C)	31.0	32.0	33.0	34.0	35.0
Tmin(°C)	21.0	21.0	21.0	20.0	20.0
RH-I(%)	80	72	72	78	75
RH-II(%)	35	35	30	30	30
Wind Speed(kmph)	6	6	5	5	4
Wind Direction(Degree)	140	140	50	340	340
Cloud Cover(Octa)	6	8	5	5	5

Weather Summary/Alert:

In the last seven days (August 30-5 September), 14.6 mm of rainfall was recorded and the maximum and minimum temperature ranged between 29.0 to 35.0 °C and 24.9 to 27.4 °C. The sky remained cloudy on most of the days during the last week. The morning relative humidity ranged between 83 to 93% at 0712 hrs and the evening relative humidity ranged between 62 to 95% at 1412 hrs. The wind speed was 1.5 to 4.4 kmph and the wind direction was mostly towards west-north-west, west-south-west and north. The forecast for the upcoming five days shows light rainfall of 2-10 mm with maximum and minimum temperature ranging 31 to 35 degree celsius and 20-21 degree celsius. The wind speed would range 4-6 km per hour from south-east, north-north-west and north-east direction mostly. Light to moderate rain/thunderstorm is likely to occur at isolated places during this period while it may occur at few places on 6 September and at isolated places from 7 to 12 September. A yellow warning regarding occurrence of thunderstorm accompanied with lightening/ intense to very intense rain spell is likely to occur at isolated places on 6 September.

General Advisory:

For regular updates on weather conditions in the region, the farmers can get updates from the app "Meghdoot" and lightning update from the app "Damini" available on Google Play Store (Android users) and App Centre (iOS users). The NDVI shows good agricultural vigour in the isolated regions of the state ranging 0.25-0.50. The extended range forecast shows large deficient rainfall, and normal maximum-minimum temperature trend during 06.09.2024 to 12.09.2024.

SMS Advisory:

As per the IMD forecast light rainfall has been predicted so the farming activities can be scheduled accordingly.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
RICE (Panicle Initiation)	The crop would now observe initiation of panicle formation during which top dressing of urea has to be done along with proper irrigation application and drainage maintenance in the field. Maintain water level of 1-1.5 cm in the field under dry conditions. On occurrence of bacterial blight symptoms such as water-soaked spots on the leaves which gradually increase to become long stripes ultimately light brown. To prevent this disease from spreading in the field, do not keep water logged condition in the field. Along with this, nitrogen application should be stopped for the time being and in case of excessive disease, spray 15 grams of streptomycin + 500 grams of copper oxychloride in 1000 liters of water per hectare. The spray should be done at 7-10 days interval. On the occurrence of stem borer above ETL, chlorantraniliprole 20 SC @150ml/ha or flubendiamide 480 SC @75ml/ha or Fipronil 5 SC @ 1.0 lit or 600 g Cartap hydrochloride 50 WP or 2.5 lit of Chlorpyrifos 20 EC in 500-600 lit of water /ha should be sprayed. On occurrence of common pest i.e. brown plant hopper farmers need to spray 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)	The most prevalent red rot disease symptoms may appear which occurs after monsoon season and continues to persist till harvesting. For this the farmers need to use resistant varieties and keep their fields clean. The infested canes should be plucked from the root and burned to stop further spread. Complete destruction of infected canes and use of treated seeds are the best preventive measures. As per the requirement, the three stalks of two lines should be tied together (scissors tied). In case of white grub infestation Fipronil 40 percent and Imidacloprid 40 percent WG@200g/acre should be applied in the field by dissolving it in 500 liters of water. Prepare for sowing of autumn season sugarcane should be done with treated ratoons.
MAIZE (Vegetative)	As the cobs start filling, irrigation should be applied as per requirement. On occurrence of pest infestation appropriate farming measures should be taken. In case of fall army worm attack in the plain regions, Chlorantraniliprole 18.5 SC @0.4ml/l of water should be applied. 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.
GREEN GRAM (Vegetative)	Weeding operation should be taken up in the last month sown crop and light irrigation should be applied as per the requirement of the crop. On occurrence of yellow mosaic virus which is transferred by white fly, apply pyriproxyfen 10 E.C. @0.5 litre / ha mixed in 500-600 litre of water at 10-12 days interval. The farmers should use resistant varieties against yellow mosaic virus.
BLACK GRAM (Vegetative)	Weeding operation should be taken up in the last month sown crop and light irrigation should be applied as per the requirement of the crop. On occurrence of yellow mosaic virus which is transferred by white fly, apply pyriproxyfen 10 E.C. @0.5 litre / ha mixed in 500-600 litre of water at 10-12 days interval. The farmers should use resistant varieties against yellow mosaic virus.
SOYABEAN (Pod Development)	Weeding operation should be taken up in the last month sown crop and light irrigation should be applied as per the requirement of the crop. On occurrence of yellow mosaic virus which is transferred by white fly, apply pyriproxyfen 10 E.C. @0.5 litre / ha mixed in 500-600 litre of water at 10-12 days interval. The farmers should use resistant varieties against yellow mosaic virus.
GROUNDNUT (Vegetative)	In tikka disease, light brown circular spots are formed on the leaves, around which there are yellow circles on the lower surface. For its treatment, Chlorothenonil @2 kg/ha or Mancozeb 80% @2 kg/ha or Propiconazole 25 EC @500 ml dissolved in 800 to 1000 litres per hectare should be sprayed 2-3 times at an interval of 10-12 days.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
CAULIFLOWER (Transplanting)	The late varieties of cauliflower, cabbage varieties and knol-khol can be transplanted in this month and this should be done when the seedling become

Horticulture (Stage)	Horticulture Specific Advisory
	4-6 weeks old or they attain 4-6 leaf stage. Light irrigation should be applied immediately after transplanting.
RADISH (Sowing)	The european varieties of radish i.e. Pusa himani, Pusa madhushala, Scarlett globe, Scarlett long, asian and european varieties of carrot i.e. Pusa kesar, Pusa meghali, Arka suraj, Pusa vrishti, Pusa rudhira and beetroot varieties i.e. Crimson globe, Early wonder, Detroitte dark red can be sown during this month. In case of dry weather light irrigation should be given just after sowing.
SPINACH (Sowing)	In the plains, the treated spinach seeds can be sown @25-35 kg seed/ha at a line to line and seed to seed distance of 15-20 cm and 5-7 cm, respectively at a depth of 2.5 cm.
CHILLI (Physiological Maturity)	On drying of the upper stipe of chilly crop and if it is turning black, then infected branches should be removed by plucking to save the crop. To save the crop from rotting, spray 0.1% Caerbendazim solution.
PAPAYA	On the occurrence of collar rot disease in papaya, application of Metalaxyl + Mancozeb (Ridomil Gold) @ 2g/lit water has been found very effective. Spray may be repeated at 10 days interval.

Live Stock Specific Advisory:

Live Stock	Live Stock Specific Advisory
COW	The milk of female calves should be weaned from the mother only after six months, so that their physical development can take place in a good way.
BUFFALO	To prevent 'footrot' disease, hooves should be dipped in 10% formalin solution or 5% blue solution for 2-3 minutes in the morning and evening for at least 3 days.
GOAT	In rural areas, 2 shots of tetanus toxide 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.