



Gramin Krishi Mausam Sewa
District Level Agromet Advisory Bulletin
Govind Ballabh Pant University of Agriculture & Technology



Udham Singh Nagar, Pantnagar, Uttarakhand

Agromet Advisory Bulletin

Date : 10-05-2022

Weather Forecast of District UDAMSINGH-NAGAR(Uttarakhand) Issued On : 2022-05-10(Valid Till 08:30 IST of the next 5 days)

| Parameter | 2022-05-11 | 2022-05-12 | 2022-05-13 | 2022-05-14 | 2022-05-15 |
|------------------------|------------|------------|------------|------------|------------|
| Rainfall(mm) | 8.0 | 2.0 | 0.0 | 0.0 | 0.0 |
| Tmax(°C) | 35.0 | 36.0 | 37.0 | 38.0 | 38.0 |
| Tmin(°C) | 23.0 | 22.0 | 21.0 | 21.0 | 20.0 |
| RH-I(%) | 80 | 80 | 75 | 70 | 70 |
| RH-II(%) | 45 | 45 | 40 | 35 | 35 |
| Wind Speed(kmph) | 12.0 | 12.0 | 10.0 | 10.0 | 10.0 |
| Wind Direction(Degree) | 120 | 120 | 130 | 130 | 130 |
| Cloud Cover(Octa) | 3 | 2 | 1 | 0 | 0 |

Weather Summary/Alert:

In the last seven days (3 – 9 May, 2022), there was 8.4 mm rain and the sky was Clear to cloudy. The maximum & minimum temperatures ranged between 34.0 to 35.5°C and 19.3 to 24.4°C respectively. Relative humidity ranges from 56 to 79 % at 0712 hrs and 39 to 49 % at 1412 hrs. The wind was mainly from the ESE, ENE & WNW with a speed of 1.9 to 8.7 km/hour. In the coming five days, very light to light rain on 10 & 11 May likely to occur and weather will remain clear on remaining days. Maximum & minimum temperature may range from 35.0 to 38.0 deg C & 20.0 to 23.0 deg C respectively. Wind will blow with a speed of 10.0-12.0 km/hr from the ESE direction. As per ERF, the rainfall will be below normal and maximum & minimum temperature will be above normal & normal respectively in the state from 15 to 21 May.

General Advisory:

Farmers are advised to download the “Meghdoot App” to get past week weather, weather forecast, and agromet advisory and "Damini App" to get lightning information. Meghdoot and Damini Apps can be downloaded from the google play store (Android users) and App Center (IOS users). In the month of May, close the bund of the field and leave it after plowing. Summer plowing destroys the larvae of pests and diseases & seeds of weeds, etc. The rain water from the bund will remain in the field and the soil will not flow out with the flow of water.

SMS Advisory:

In the coming five days, very light to light rain on 10 & 11 May likely to occur and weather will remain clear on remaining days. Spray chemicals keeping in mind the weather forecast.

Crop Specific Advisory:

| Crop(Varieties) | Crop Specific Advisory |
|------------------------|--|
| DAINCHA | If irrigation facility is available then sowing of dhaincha and sanai should be done after harvesting of wheat and other rabi crops for green manure. Variety of sanai like Narendra sanai-1 and dhaincha variety like pant dhaincha-1, hisar dhaincha-1 etc should be selected. Seed rate for sanai should be 80-90 kg/ha and for dhaincha 60-80 kg/ha. |
| BLACK GRAM | Harvest the mature pods of black gram. |
| SUGARCANE | On the occurrence of black bug in sugarcane crop, phenthoate 50EC @ 1 liter/ha or 750 ml of monocrotopos 36 SL or 2liter of quinalphos 25 EC in 500liter of water should be sprayed. |
| GARLIC | Stop the irrigation in the garlic crop. Collect the matured tuber and keep them in the shed. Make the small bundle of these tuber and store in dry place with good ventilation. |

Horticulture Specific Advisory:

| Horticulture(Varieties) | Horticulture Specific Advisory |
|--------------------------------|---|
| ONION | The farmers who have planted onions around January 15-20, their tubers are ready. Stop irrigation in the crop. |
| PUMPKIN | On the occurrence of mottled spot disease or folding of leaves in Cucurbitaceous (pumpkin class vegetables), it is advised that these plants should be separated and destroyed. Sarvangi insecticide should be used on the occurrence of juice sucking insect. |
| TOMATO | 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 | 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. |

Live Stock Specific Advisory:

| Live Stock(Varieties) | Live Stock 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) Specific Advisory:

| Others (Soil / Land Preparation) (Varieties) | Others (Soil / Land Preparation) Specific Advisory |
|---|---|
| | |

| Others (Soil / Land Preparation) (Varieties) | 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 20 cm. |