



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



Agromet Advisory Bulletin

Date : 24-12-2021

Weather Forecast of UDAMSINGH-NAGAR(Uttarakhand) Issued On : 2021-12-24(Valid Till 08:30 IST of the next 5 days)

| Parameter | 2021-12-25 | 2021-12-26 | 2021-12-27 | 2021-12-28 | 2021-12-29 |
|------------------------|------------|------------|------------|------------|------------|
| Rainfall(mm) | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 |
| Tmax(°C) | 22.0 | 22.0 | 20.0 | 18.0 | 17.0 |
| Tmin(°C) | 5.0 | 6.0 | 8.0 | 8.0 | 6.0 |
| RH-I(%) | 85 | 80 | 85 | 90 | 95 |
| RH-II(%) | 55 | 55 | 60 | 60 | 65 |
| Wind Speed(kmph) | 6.0 | 6.0 | 6.0 | 8.0 | 8.0 |
| Wind Direction(Degree) | 130 | 100 | 100 | 70 | 120 |
| Cloud Cover(Octa) | 1 | 1 | 4 | 4 | 8 |

Weather Summary/Alert:

In the last seven days (17 – 23 December, 2021), there was 0.0 mm rain and the sky was clear to dense cloudy. The maximum & minimum temperatures ranged between 14.0 to 24.0°C and 2.4 to 5.4°C respectively. Relative humidity ranges from 90 to 97 % at 0712 hrs and 29 to 77 % at 1412 hrs. The wind was mainly from the WNW with a speed of 0.8 to 5.4 km/hour. In the coming five days, light rain may likely occur on 28th of December and weather will remain clear in the remaining days. Maximum & minimum temperature may range from 17.0 to 22.0 deg C & 5.0 to 8.0 deg C respectively. Wind will blow with a speed of 6.0-8.0 km/hr from the ENE & SE direction. As per ERF, the rainfall will be above normal, maximum & minimum temperature will be Moderately below normal & normal in the state from 29 December to 4 January.

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). NDVI & SPI map received from the India Meteorological Department dated indicated that the NDVI ranged between 0.2-0.4 for U S Nagar i.e. agriculture vigor is moderate in the district and SPI map indicates mildly wet condition from 25 November to 22 December in the district. To save the animals from cold, proper arrangement of animal shed should be done.

SMS Advisory:

In the coming five days, light rain may occur on 28th of December and weather will remain clear in the remaining days. Spraying of chemicals should be done in by keeping in view the weather forecast.

Crop Specific Advisory:

| Crop(Varieties) | Crop Specific Advisory |
|-----------------|--|
| WHEAT | To control the weed in the wheat, first and second weeding and hoeing should be done after 25-30 days and 45-50 days of sowing respectively. |
| MUSTARD | On the occurrence of aphid in the mustard crop, the solution of 50-100g of Thiamethoxam 25 WG in 600-700 lit of water per hectare should be sprayed. |

Horticulture Specific Advisory:

| Horticulture(Varieties) | Horticulture Specific Advisory |
|-------------------------|--|
| GUAVA | To protect guava from canker disease, after fruiting, spray capper hydroxide at 2 gm per liter. Injury to the fruit can be prevented by using foam net while bagging the fruit after 50 days of berry shaped flowering. |
| LITCHI | On the occurrence of leaf curl mite, prun and burn infested parts then spray chlorfenapyr or propargite @3ml/lit. But for mite, immediate action require. |
| POTATO | To control the late blight disease in potato, any one mixture of cymoxanil + mancozeb or Dimethomorph+ Mancozeb or Fenamidone + mancozeb @ 3.0 g/liter of water should be sprayed. If the intensity of the disease increases, re-spray any one of the above-mentioned fungicides at an interval of 10-15 days but farmers are requested to use a mixed fungicide for spraying only once. After spraying mixed fungicide, if the intensity of the disease subsides, spray Mancozeb @ 2.5 gm/ liter of water as per requirement. |

Live Stock Specific Advisory:

| Live Stock(Varieties) | Live Stock Specific Advisory |
|-----------------------|---|
| COW | With the changing weather, there is a high chance of Niomonina in new born babies of animals. So, it is advised that animal shed should be protected from cold and hot food should be given to the animals. |

| Live Stock(Varieties) | Live Stock Specific Advisory |
|-----------------------|--|
| BUFFALO | Toxocara vitulorum (patera) are found in the food tube of buffalo calf in the age of 1-4month. More than 50% buffalo calf should be died because of delay in treatment. Piperazine should be given to the infected calf on identification of Patera disease. To save the buffalo calf from patera disease, 10-15Cc Neem oil should be given to the calf immediately after 10 days of his birth. Again after 10 days, 10-15 CC Neem oil should be given. Chenopodium album oil can also be given as a fodder to animals to save the calf/animals from patera disease. |