



**Gramin Krishi Mausam Sewa**  
District Level Agromet Advisory Bulletin  
Uttar Banga Krishi Viswavidyalaya  
Distt. Cooch Behar, West Bengal



## Agromet Advisory Bulletin

Date : 09-02-2021

Weather Forecast of DINAJPUR-UTTAR(West Bengal) Issued On : 2021-02-09(Valid Till 08:30 IST of the next 5 days)

Parameter	2021-02-10	2021-02-11	2021-02-12	2021-02-13	2021-02-14
Rainfall	0.0	0.0	0.0	0.0	0.0
Tmax(°C)	24.0	25.0	26.0	26.0	27.0
Tmin(°C)	10.0	11.0	12.0	13.0	13.0
RH-I(%)	52	48	50	57	58
RH-II(%)	26	24	23	48	50
Wind Speed(kmph)	8.2	7.5	7.5	7.5	7.8
Wind Direction(Degree)	180	117	72	150	180
Cloud Cover(Octa)	1	1	0	0	0

### Weather Summary/Alert:

• Partly clear sky on 10th and 11th February, Clear sky from 12th February to 14th February is expected. • No rainfall from 10th February to 14th February is expected. • Wind Easterly from 10th February to 14th February, the average speed of 7-8 km/hr. is expected. • The maximum temperature is expected to be around 24°C-27°C and minimum temperature is expected to be 10°C -13°C. • The maximum and minimum relative humidity are expected to be 48-58 % and 24-50 % respectively.

### General Advisory:

\*\* Clear to partly clear sky from 10th February to 14th February, 2021 is expected. No rainfall is expected. Apply irrigation according to requirement. Start chemical spraying of pesticide as per needed. Complete the sowing and transplanting of Rabi or Winter crops and vegetables. Minimum humidity will remain the same. \*Maximum will increase little and minimum temperature will increase gradually. As per the previous week, NDVI from 29th January to 4th February data the agricultural vigour is in moderate (0.2-0.4). As per SPI (Standardised Precipitation Index) from 7th January to 3rd February 2020 value, the district is moderately wet to moderately dry condition. Weekly rainfall Forecast- According to Extended Range Forecast (ERF) generated by IMD, for Sub Himalayan West Bengal & Sikkim subdivision from 14th to 20th February, 2021; the actual weekly rainfall forecast is 0.48 mm and Normal is 0.71 mm, and %DEP is -33.40 (expectation below Normal rainfall). Use MEGHDHOOT mobile application for more advice about weather and agriculture, and use DAMINI mobile application for timely updates about lightning from google play store free of cost.

### SMS Advisory:

Boro rice- Apply nitrogen fertilizer 30 days after transplanting of boro seedlings as top dressing.

### Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
RICE	Seedling transplantation: If the rice seedlings are 30 days old then its ready for transplantation. Line sowing or transplanting is better then broadcasting method because it gives higher yield and provide better interculture operation environment. Prepare the main filed before transplantation.
WHEAT	Loose smut: Until spikelet formation the symptoms can not be seen properly. Control: Spray Carbendazim 50% WP @ 2-2.5 gram/lit of water.
MAIZE	Fall Armyworm: Infestation of the Fall Armyworm may arise. Spray Emamectin Benzoate 7 gram/ 15 litre of water or Emamectin Benzoate+ Novaluron 5-6 ml/ 15 litre of water during evening time to control during initial infestation. Weeding can be done at 20-21 days old plants. A hand weeding can be beneficial at this time. To protect the crop from chilling injury, apply Potash in the appropriate amount. Apply Nitrogen @ 3 kg/bigha at Knee high stage. Weeding: To control Weeds in maize field spray Atrazine 50% 2.5 gram/lit of water.
TOMATO	White fly- Kindly do not use same pesticide regularly, because the insects develop resistance against that single pesticide. So use the written pesticide alternately for better result. Control: Spray Imidacloprid (18.7% S.L) 0.8 ml/lit of water or Acidamiprid 1 ml/lit of water or Diafenthiuron 12.5 gram/ 15 lit of water. Flower drop: Due to water stress, deficiency of boron or due to hormonal disbalance flower drop occur. Control: Apply timely and required amount of irrigation. Spray Boron 20% 2 gram/lit during early flowering and 15 days later. Late Blight: Be aware of late blight. If occur spray Azoxystrobin + Tebuconazole 1.5 ml/lit of water.
TOBACCO	Tobacco caterpillar: The small caterpillars after coming out from eggs eats Chlorophyll from the bottom side of the leaves and shows burned dry spots in leaves. Big and old caterpillars cut the stems of the small plants and cut the leaves of the old plants. During day time it hids in shed of leaves ann in the cracks of soils. In per square meter if 6 caterpillar is found then control is necessary. Control: 1) In the field if we keep stubbles then caterpillars took shelters inside the stubbles then it is easy to collect and burn caterpillars. 2) Spray 1.5 gram B.T or 3 mili azadirachtin 1% per litre of water. 3) If needed 12 kg Chlorpyrifos 1.5% dust or 12 kg Fenvelarate 0.4 dust can be broadcasted. Tobacco Mosaic Virus: The infested leaves show characteristic mottling with light and green patches and seedlings are stunted. Control: Workers should disinfect their hands with soap and running water before weeding or handling seedlings. Disease seedlings should be removed and destroyed. Workers should not chew or smoke while at work in nursery.

### Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
POTATO	Late Blight: Due to dence fog, high humidity, increased temperature and wet weather is favourable for infestation of late blight. Symptom: Brown coloured water soaked irregular spots can be seen on infested stems and leaves specially on the tip and edges. This disease initially starts from lower side of the leaves. The written insecticide can be sprayed with water in 15 lit tank in disease free 4-6 week old plants. Control: 1) Mancozeb 75% W.P. @37.5 gram Or 2) Copper Oxy chloride 50% W.P @60 gram Or 3) Copper Hydroxide 77% W.P @37.5 gram Or 4) Propineb 70% W.P @45 gram Or 5) Cymoxanil 8% + Mancozeb 64% W.P @45% gram. Application process: The nozzle of the sprayer must be faced downward to reach to the stems and leaves. For spraying 7 tank of water( 100-105 lit) @15 lit tank is required per Bigha.