



Gramin Krishi Mausam Sewa (GKMS)
REGIONAL RESEARCH STATION (HILL ZONE)
UTTAR BANGA KRISHI VISWAVIDYALAYA
KALIMPONG DISTRICT-734301
WEST BENGAL



Date: 12th February, 2020

Agromet Advisory Bulletin for Darjeeling District

(Advisory bulletin for hill zone)

Forecast Period: 13th February to 17th February, 2020

Significant past four days` weather conditions

Rainfall (mm)				Max. Temperature (°C)	Min. Temperature (°C)	Relative Humidity (%)
08-02-21	09-02-21	10-02-21	11-02-21	08-02-21 to 11-02-21	08-02-21 to 11-02-21	08-02-21 to 11-02-21
0.0	0.0	0.0	0.0	19-21	07	80-90

Weather forecast for next five days

- Rainfall** : Possibilities of very light rainfall on 13th, 15th & 16th of February, light rainfall on 14th & 17th of February have been forecasted. In coming five days` total rainfall of **13.0 mm** is expected.
- Cloud cover** : Possibilities of clear sky during 13th of February to 17th of February are expected.
- Max. Temp.** : Maximum temperature is expected to be around 13.0°C to 14.0°C.
- Min. Temp.** : Minimum temperature is expected to be around 6.0°C to 7.0°C.
- Max. RH.** : Maximum relative humidity is expected to be around 57-60 %.
- Min. RH.** : Minimum relative humidity is expected to be around 34-36 %.
- Wind** : Winds will mainly blow from South Westerly direction on 13th, 14th, 16th & 17th of February and from North Westerly direction on 15th of February with expected speed of **7.7-8.4 km hr⁻¹**.

Weekly rainfall Forecast:

According to Extended Range Forecast (ERF) generated by IMD, for West Bengal & Sikkim subdivision from 14th of February to 20th of February, 2021; the actual weekly rainfall forecast is **0.48 mm** and Normal is **0.71 mm**, and % **DEP** is **-33.40**. Region is likely to receive rainfall **below normal** during subsequent one-week *i.e* during 14th of February to 20th of February, 2021.

Weather Based Agrometeorological Advisories

Major Crops	Stage	Pest & Diseases	Advisory
General			As per NOAA/VIRS/BLENDED NDVI composite ending on week no.05 (29.01.2021 to 04.02.2021) over agricultural region of Darjeeling district, the agricultural vigor is moderate and as per the SPI for the period 14 th January, 2021 to 10 th February, 2021 the region is mildly dry. In upcoming five days total rainfall of 13.0 mm is predicted, irrigation should be provided as per the need of the crops. Use MEGHDOOT app for Weather & Agro Advisory Bulletin.
Large Cardamom	Vegetative		To maintain optimum soil moisture irrigation should be given. Apply cow manure @ 2-3 kg per clumps.
Mandarin Orange	Harvesting.	-	Manuring of the plants should be done @ 40 kg FYM per plant and mulching should be provided. Harvesting of fruits should be completed.
Garden Pea	Vegetative	-	Mulching should be done to conserve moisture and control weeds in the field. Harvesting of mature pods should be started.
Cole Crop (Cauliflower, Cabbage, etc)	Vegetative	-	Check for infestation of Plutella Diamond back moth in young plants. If the plant is young then hand picking is advised otherwise neem-based insecticides may be sprayed. In cole crop infested by cut worm, mechanically destroy the larvae. If infestation is high then apply Chloropyriphos (1.5%) dust @ 25 kg/ha. Light irrigation followed by mulching should be done to conserve moisture and weeds in the field.
Potato	Vegetative	-	Take up the first hoeing on 45 th days after planting without disturbing the stolons. Spray Deltamethrin 2.8 EC @ 1.5ml/ litre of water against cut worm infestation. Earthing should be done when the plants are 15 to 22 cm hill height. Weeding may be done.
Mustard	Vegetative	Alternaria Blight	Appearance of black spot on leaves is caused due Alternaria blight disease. Later the spots will form concentric zonation. Incidence of this disease occurs during the month of January to April. Spray Trichoderma viride at 45 to 75 days after sowing @ 2 gram per litre of water or spray copper oxychloride 0.25 percent at the onset of disease occurrence.

(Mr. Anwesh Rai)
Agrometeorologist

(Dr. Koushik Roy)
Nodal Officer

Toll free call : 18001801717

e-mail : agrometkpg@yahoo.co.in, amfukalimpong@hotmail.com

Copy to All India Radio (Kurseong), Himalayadarpan, SunakhariSamachar



Gramin Krishi Mausam Sewa (GKMS)
REGIONAL RESEARCH STATION (HILL ZONE)
UTTAR BANGA KRISHI VISWAVIDYALAYA
KALIMPONG DISTRICT-734301
WEST BENGAL



Date: 12th February, 2020

Agromet Advisory Bulletin for Kalimpong District

(Advisory bulletin for hill zone)

Forecast Period: 13th February to 17th February, 2020

Significant past four days' weather conditions

Rainfall (mm)				Max. Temperature(°C)	Min. Temperature(°C)	Relative Humidity (%)
08-02-21	09-02-21	10-02-21	11-02-21	08-02-21 to 11-02-21	08-02-21 to 11-02-21	08-02-21 to 11-02-21
0.0	0.0	0.0	0.0	--	--	--

Weather forecast for next five days

- Rainfall** : Possibilities of very light rainfall during 13th of February to 16th of February and light rainfall on 17th of February have been forecasted. In coming five days` total rainfall of **9.0 mm** is expected.
- Cloud cover** : Possibilities of clear sky during 13th of February to 17th of February are expected.
- Max. Temp.** : Maximum temperature is expected to be around 19.0°C to 20.0°C.
- Min. Temp.** : Minimum temperature is expected to be around 7.0°C to 8.0°C.
- Max. RH.** : Maximum relative humidity is expected to be 54-60 %.
- Min. RH.** : Minimum relative humidity is expected to be around 31-37 %.
- Wind** : Winds will mainly blow from Easterly direction on 13th & 17th of February, from Northerly direction on 14th of February and from South Easterly direction on 15th & 16th of February with expected speed of **7.4-8.1 km hr⁻¹**.

Weekly rainfall Forecast:

According to Extended Range Forecast (ERF) generated by IMD, for West Bengal & Sikkim subdivision from 14th of February to 20th of February, 2021; the actual weekly rainfall forecast is **0.48 mm** and Normal is **0.71 mm**, and % **DEP** is **-33.40**. Region is likely to receive rainfall **below normal** during subsequent one-week *i.e* during 14th of February to 20th of February, 2021.

Weather Based Agrometeorological Advisories

Major Crops	Stage	Pest & Disease	Advisory
General			As per NOAA/VIRS/BLENDED NDVI composite ending on week no.05 (29.01.2021 to 04.02.2021) over agricultural region of Kalimpong district, the agricultural vigor is moderate and as per the SPI for the period 14 th January, 2021 to 10 th February, 2021 the region is mildly dry. In upcoming five days total rainfall of 9.0 mm is predicted, irrigation should be provided as per the need of the crops. Use MEGHDOOT app for Weather & Agro Advisory Bulletin.
Large Cardamom	Vegetative		To maintain optimum soil moisture irrigation should be given. Apply cow manure @ 2-3 kg per clumps.
Mandarin Orange	Harvesting.	-	Manuring of the plants should be done @ 40 kg FYM per plant and mulching should be provided. Harvesting of fruits should be completed.
Garden Pea	Vegetative	-	Mulching should be done to conserve moisture and control weeds in the field. Harvesting of mature pods should be started.
Cole Crop (Cauliflower, Cabbage, etc)	Vegetative	-	Check for infestation of Plutella Diamond back moth in young plants. If the plant is young then hand picking is advised otherwise neem-based insecticides may be sprayed. In cole crop infested by cut worm, mechanically destroy the larvae. If infestation is high then apply Chloropyriphos (1.5%) dust @ 25 kg/ha. Light irrigation followed by mulching should be done to conserve moisture and weeds in the field.
Potato	Vegetative	-	Take up the first hoeing on 45 th days after planting without disturbing the stolons. Spray Deltamethrin 2.8 EC @ 1.5ml/ litre of water against cut worm infestation. Earthing should be done when the plants are 15 to 22 cm hill height. Weeding may be done.
Mustard	Vegetative	Alternaria Blight	Appearance of black spot on leaves is caused due Alternaria blight disease. Later the spots will form concentric zonation. Incidence of this disease occurs during the month of January to April. Spray Trichoderma viride at 45 to 75 days after sowing @ 2 gram per litre of water or spray copper oxychloride 0.25 percent at the onset of disease occurrence.

(Mr. Anwesh Rai)
Agrometeorologist

(Dr. Koushik Roy)
Nodal Officer

Toll free call : 18001801717

e-mail : amfukalimpong@hotmail.com Copy to All India Radio (Kurseong), Himalayadarpan, SunakhariSamachar



Phone: |

Uttar Banga Krishi Viswavidyalaya

AGRO METEOROLOGICAL FIELD UNIT**Regional Research Station (Old Alluvial Zone)**

Fax: 03522 253637

Majhian, Patiram, Dakshin Dinajpur

Agromet Advisory Bulletin for Dakshin Dinajpur District

Forecast Period-to 13th February to 17th February, 2021

Past fourdays weather condition

Rainfall (mm)				Max. Temperature (°C)	Min. Temperature (°C)	Relative Humidity (%)
08.02.21	09.02.21	10.02.21	11.02.21	08.02.21-11.02.21	08.02.21-11.02.21	08.02.21-11.02.21
0.0	0.0	0.0	0.0	22.0-28.0	10.0-12.0	40-87.0

Weather forecast for the next five days

- Possibility of cloudy sky on 13th February and clear sky during rest of days.
- **There seems to be a possibility of no rainfall during next 5 days.**
- Wind direction North-Westerly during 13th February to 17th February with a speed of 6.0-08.0 Km/hr. is expected.
- Maximum temperature is expected to be around 25.0-28.0 °C and minimum temperature is expected to be 14.0-16.0 °C.
- Maximum and minimum relative humidity is expected to be 47-53% and 21-22% respectively.

Weekly rainfall Forecast:

- ❖ According to Extended Range Forecast (ERF) generated by IMD, or West Bengal & Sikkim subdivision from 17th February to 23rd February 2021; the weekly actual rainfall forecast is 0.12 mm, Normal is 0.59mm, and %DEP is: -80.20

Weather based Agro-Advisories

Crop	Stage	Pest/Disease	Advisory
General	--	--	<p>According to Standardized Precipitation Index (SPI) map cumulative 4 weeks for the period from 14th January to 10th February 2021, Dakshin Dinajpur experience to mildly wet to mildly dry condition.</p> <p>Agricultural vigour was good in Dakshin Dinajpur district according to the Normalized Difference Vegetation Index (NDVI) map ending on week no 5 (29th January to 4th February, 2021).</p> <p>Use MEGHDOT apps for Weather update and Agro Advisory Bulletin.</p> <p>Download "DAMINI" mobile application to get Lighting alert of your location.</p>
Boro Rice	Seedling transplanta n	Brown Spot	<p>Seedling transplantation: If the rice seedlings are 30 days old then its ready for transplantation. Line sowing or transplanting is better than broadcasting method because it gives higher yield and provide better interculture operation environment. Prepare the main filed before transplantation. Brown Spot: Spraying the seedlings with hexaconazole @ 1.5 ml/lit of water before transplanting, in case of brown colored spots on leaves.</p>
Wheat		Loose smut:	<p>Loose smut: U till spikelet formation the symptoms can not be seen properly. Control: Spray Carbendazim 50% WP @ 2-2.5 gram/lit of water.</p>
Maize		Fall Armyworm	<p>Fall Armyworm: Infestation of the Fall Armyworm may arise. Spray Emamectin Benzoate 7 gram/ 15 litre of water or Emamectin Benzoate+ Novaluron 5-6 litre/ 15 litre of water during evening time to control during initial infestation.</p>

			<p>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.</p> <p>Weeding: To control Weeds in maize field spray Atrazine 50% 2.5 gram/lit of water.</p>
Mustard		Irrigation, Powdery Mildew, Aphid	<p>As there is no chances of rainfall so one irrigation is needed at 50-60 days old plants. To meet the deficiency of Sulfar apply 200 gram sulfur per bigha. Powdery Mildew: Spray Sulfex 2 gram/lit. Aphid: Spray Imidacloprid 18.7 S.L 0.8 ml/lit of water or Thiamethoxam 0.5 gram/lit of water.</p>
Potato		Late Blight	<p>Late Blight: Due to dense 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.</p>
Chicken		Bird Flu	<p>Bird Flu: Bird flu can be seen in different places so stay alert. If you identify any symptom, then quickly consult with local administrator. Use gloves and mask while working in poultry farm. In this time boil the chicken properly before eating , chances of infection will be less, avoid Poach in this time.</p>

Salil Saha, Agrometeorologist, AMFU-Majhian, Uttar Banga Krishi Viswavidyalaya. Ph: 8240113968