

UTTAR BANGA KRISHI VISWAVIDYALAYA

Gramin Krishi Mausam Sewa

AMFU: Pundibari

P.O. Pundibari, Cooch Behar, West Bengal - 736165



(Bulletin is only for Terai Zone)

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Weather Forecast for Cooch Behar District FORECAST PERIOD: 17.04.2019 to 21.04.2019

Date: 16.04.2019

Past four days weather condition

Rainfall (mm)				Max. Temperature (Deg C)	Minimum Temperature (Deg C)	Relative Humidity (%)
Friday	Saturday	Sunday	Monday	Friday-Monday	Friday-Monday	Friday-Monday
0.0	0.0	5.2	10.2	30-35	21-22	55-85

Weather forecast for next five days

- Mainly cloudy sky will remain on 18th April and the sky will clear on 17th April and 19th to 21th April.
- Light rainfall will occur on 17th & 18th April.
- Wind north easterly on 17th April, south easterly on 18th April, southerly on 19th April and easterly on 20th & 21th April average speed of 10-15.5 km/hr. is expected.
- Maximum temperature is expected to be around 31-35°C and minimum temperature is expected to be 21-22°C
- Maximum and minimum relative humidity is expected to be 39-70% and 17-44% respectively.

Agro meteorological Advisories

Advisory	
General	Possibility of light rainfall on 17 th and 18 th April

Agriculture and Horticulture

Main Crops	Stage	Pest & Diseases	Advisory
Boro Rice	Tillering to late tillering	Brown spot	In case of spot on leaves spray popiconazole 1 ml/lit of water. Top dressing can be done @ 10-15 kg urea/ bigha
Maize	Seedling to maturity	Leaf Blight	Leaf with whitish irregular spots or streaks to be sprayed with Tebuconazole or Propiconazole @ 1ml/lit of water.
Ginger			Dip the seeds before planting with Carbendazim+ Mancozeb @ 2g/lit of water for 30 minutes. Planting to be done on raised beds.
Legume vegetable	Reproductive	Aphid, white fly	For Aphid control of Lab Lab bean apply Ash in case of lower infestation and in case of heavy infestation Thiomethoxam 0.3 SG @ 1g/3 lit. of water may be applied.
Cucurbits	Fruiting	Fruit Fly Fruit & Vine rot White fly, Mosaic	Collection and destruction of fruit fly infested fruits. Installation of pheromone trap @ 2/Bigha. Apply (Metalaxyl 8% + Mencozeb 64%) @ 2g/lit. of water or Azoxystrobin @ 1ml/lit. of water, if there is appearance of fruit rot or rotting of vines, mainly near soil surface. For white fly apply clothianidin 50 WDG @ 3g/10lit. of water. For mosaic uproot the infected plant and spray systemic insecticide.
Brinjal	Vegetative Fruiting,	fruit and shoot borer Nematode White fly, Jassid,	For the management of fruit and shoot borer one application of coragen @ 4 ml/tank. Cleanliness to be maintained. Apply Thiomethoxam 0.3 SG @ 1g/3lit. of water to manage sucking pests infestation. For nematode problem apply Fipronil 0.3G @ 1.5 Kg/Bigha followed by a light irrigation or Nimitz 480 EC @ 4-8 lit/ha. could be applied against root knot nematode. For white fly and jassid, apply Acetamiprid 20% SP @ 1g/3lit or Thiomethoxam 0.3 SG 1g/3lit of water.
Chilli	vegetative	Aphid, white fly, Thrips Yellow mite,	For Aphid, hoppers, white fly and thrips apply Imidacloprid 17.8 SL @ 1 ml/5lit. of water or thiomethoxam @ 1g/3lit of water. For yellow mite apply propargite 2.5 ml/lt. of water.

Animal Husbandry and Fishery

Name of Animal	Disease	Control measures
Cattle and Buffalo	Non specific Diarrhoea, FMD	The cattle populations are supposed to suffer from non-specific diarrhea during this, mid rainy season due to water borne infections. Any gut acting antibacterial along with remonetric preparation may lead to satisfactory result. FMD may also consider during this hot humid condition. Appropriate Vaccination coverage. Anthelmintics of course for animals in proper doses is also advisable for better production potentials.
Chicken	pox	Care for day old chicks with proper brooding, ventilation and management may arrangement reduce the mortality percent. A course of antibacterial for 3-5 days is recommended for pasting vent condition. Immunization against ND (Ranikhet) recommended as scheduled.

Prof. Subhendu Bandyopadhyay, Nodal Officer, AMFU: Pundibari

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Weather Forecast for Jalpaiguri District

Date: 16.04.2019

FORECAST PERIOD: 17.04.2019 to 21.04.2019

Past four days weather condition

Rainfall (mm)				Max. Temperature (Deg C)	Minimum Temperature (Deg C)	Relative Humidity (%)
Friday	Saturday	Sunday	Monday	Friday-Monday	Friday-Monday	Friday-Monday
0.0	0.0	14.2	7.6	32-35	21-23	45-75

Weather forecast for next five days

- Mainly clear sky will remain on 17th 19th 20th & 21th April, and partly clear sky on 18th April.
- Possibility of light rainfall on 17th & 18th April.
- Wind easterly from 17th to 20th April, and north easterly and on 21th average speed of 8-11 km/hr. is expected.
- Maximum temperature is expected to be around 32-35°C and minimum temperature is expected to be 21-23°C
- Maximum and minimum relative humidity is expected to be 37-61% and 16-40% respectively.

Agrometeorological Advisories

<u>Advisory</u>			
General	Possibility of light rainfall on 17 th and 18 th April		
<u>Agriculture and Horticulture</u>			
Main Crops	Stage	Pest & Diseases	Advisory
Boro Rice	Tillering to late tillering	Brown spot	In case of spot on leaves spray popiconazole 1 ml/lit of water. Top dressing can be done @ 10-15 kg urea/ bigha
Maize	Seedling to maturity	Leaf Blight	Leaf with whitish irregular spots or streaks to be sprayed with Tebuconazole or Propiconazole @ 1ml/lit of water.
Ginger			Dip the seeds before planting with Carbendazim+ Mancozeb @ 2g/lit of water for 30 minutes. Planting to be done on raised beds.
Legume vegetable	Reproductive	Aphid, white fly	For Aphid control of Lab Lab bean apply Ash in case of lower infestation and in case of heavy infestation Thiomethoxam 0.3 SG @ 1g/3 lit.. of water may be applied.
Cucurbits	Fruiting	Fruit Fly Fruit & Vine rot White fly, Mosaic	Collection and destruction of fruit fly infested fruits. Installation of pheromone trap @ 2/Bigha. Apply (Metalaxyl 8% + Mencozeb 64%) @ 2g/lit. of water or Azoxystrobin @ 1ml/lit. of water, if there is appearance of fruit rot or rotting of vines, mainly near soil surface. For white fly apply clothianidin 50 WDG@ 3g/10lit. of water. For mosaic uproot the infected plant and spray systemic insecticide.
Brinjal	Vegetative Fruiting,	fruit and shoot borer Nematode White fly, Jassid,	For the management of fruit and shoot borer one application of coragen @ 4 ml/tank. Cleanliness to be maintained. Apply Thiomethoxam 0.3 SG @ 1g/3lit. of water to manage sucking pests infestation. For nematode problem apply Fipronil 0.3G @ 1.5 Kg/Bigha followed by a light irrigation or Nimitz 480 EC@ 4-8 lit/ha. could be applied against root knot nematode. For white fly and jassid, apply Acetamiprid 20% SP@1g/3lit or Thiomethoxam 0.3 SG 1g/3lit of water.
Chilli	vegetative	Aphid, white fly, Thrips Yellow mite,	For Aphid, hoppers, white fly and thrips apply Imidacloprid 17.8 SL@1ml/5lit. of water or thiomethoxam @ 1g/3lit of water. For yellow mite apply propargite 2.5 ml/lit. of water.
<u>Animal Husbandry and Fishery</u>			
Name of Animal	Disease	Control measures	
Cattle and Buffalo	Non specific Diarrhoea, FMD	The cattle populations are supposed to suffer from non-specific diarrhea during this, mid rainy season due to water borne infections. Any gut acting antibacterial along with remonetric preparation may lead to satisfactory result. FMD may also consider during this hot humid condition. Appropriate Vaccination coverage. Anthelminitics of course for animals in proper doses is also advisable for better production potentials.	
Chicken	pox	Care for day old chicks with proper brooding, ventilation and management may arrangement reduce the mortality percent. A course of antibacterial for 3-5 days is recommended for pasting vent condition. Immunization against ND (Ranikhet) recommended as scheduled.	

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Weather Forecast for North Dinajpur District

Date: 16.04.2019

FORECAST PERIOD: 17.04.2019 to 21.04.2019

Past four days weather condition

Rainfall (mm)				Max. Temperature (Deg C)	Minimum Temperature (Deg C)	Relative Humidity (%)
Friday	Saturday	Sunday	Monday	Friday-Monday	Friday-Monday	Friday-Monday
0.0	--	5.2	0.0	32-33	18-22	71-87

Weather forecast for next five days

- Partly clear sky will remain on 19th April, mainly cloudy sky on 18th April and mainly clear sky on 17th 20th & 21th April.
- Possibility of light rainfall on 17th & 18th April.
- Wind north easterly on 17th April, westerly on 18th & 19th April, southerly on 20th April and easterly on 21th April, average speed of 12-15 km/hr. is expected.
- Maximum temperature is expected to be around 33-35°C and minimum temperature is expected to be 20-22°C
- Maximum and minimum relative humidity is expected to be 37-69% and 14-38% respectively.

Agro meteorological Advisories

Advisory			
General	Possibility of light rainfall on 17 th and 18 th April		
Agriculture and Horticulture			
Main Crops	Stage	Pest & Diseases	Advisory
Boro Rice	Tillering to late tillering	Brown spot	In case of spot on leaves spray popiconazole 1 ml/lit of water. Top dressing can be done @ 10-15 kg urea/ bigha
Maize	Seedling to maturity	Leaf Blight	Leaf with whitish irregular spots or streaks to be sprayed with Tebuconazole or Propiconazole @ 1ml/lit of water.
Ginger			Dip the seeds before planting with Carbendazim+ Mancozeb @ 2g/lit of water for 30 minutes. Planting to be done on raised beds.
Legume vegetable	Reproductive	Aphid, white fly	For Aphid control of Lab Lab bean apply Ash in case of lower infestation and in case of heavy infestation Thiomethoxam 0.3 SG @1g/3 lit.. of water may be applied.
Cucurbits	Fruiting	Fruit Fly Fruit & Vine rot White fly, Mosaic	Collection and destruction of fruit fly infested fruits. Installation of pheromone trap @ 2/Bigha. Apply (Metalaxyl 8% + Mencozeb 64%) @ 2g/lit. of water or Azoxystrobin @1ml/lit. of water, if there is appearance of fruit rot or rotting of vines, mainly near soil surface. For white fly apply clothianidin 50 WDG@ 3g/10lit. of water. For mosaic uproot the infected plant and spray systemic insecticide.
Brinjal	Vegetative Fruiting,	fruit and shoot borer Nematode White fly, Jassid,	For the management of fruit and shoot borer one application of coragen @ 4 ml/tank. Cleanliness to be maintained. Apply Thiomethoxam 0.3 SG @1g/3lit. of water to manage sucking pests infestation. For nematode problem apply Fipronil 0.3G @1.5 Kg/Bigha followed by a light irrigation or Nimitz 480 EC@ 4-8 lit/ha. could be applied against root knot nematode. For white fly and jassid, apply Acetamiprid 20% SP@1g/3lit or Thiomithoxam 0.3 SG 1g/3lit of water.
Chilli	vegetative	Aphid, white fly, Thrips Yellow mite,	For Aphid, hoppers, white fly and thrips apply Imidacloprid 17.8 SL@1ml/5lit. of water or thiomethoxam @1g/3lit of water. For yellow mite apply propergite 2.5 ml/lit. of water.
Animal Husbandry and Fishery			
Name of Animal	Disease	Control measures	
Cattle and Buffalo	Non specific Diarrhoea, FMD	The cattle populations are supposed to suffer from non-specific diarrhea during this, mid rainy season due to water borne infections. Any gut acting antibacterial along with remonetric preparation may lead to satisfactory result. FMD may also consider during this hot humid condition. Appropriate Vaccination coverage. Anthelminitics of course for animals in proper doses is also advisable for better production potentials.	
Chicken	pox	Care for day old chicks with proper brooding, ventilation and management may arrangement reduce the mortality percent. A course of antibacterial for 3-5 days is recommended for pasting vent condition. Immunization against ND (Ranikhet) recommended as scheduled.	

Prof. Subhendu Bandyopadhyay, Nodal Officer, AMFU: Pundibari



UTTAR BANGA KRISHI VISWAVIDYALAYA

Gramin Krishi Mausam Sewa (GKMS)

REGIONAL RESEARCH STATION (HILL ZONE)

KALIMPONG, DARJEELING -734301

WEST BENGAL



Tel: 03552-255606

Date: 16th April, 2019

Agromet Advisory Bulletin for Darjeeling District

Forecast Period: 17th April to 21st April, 2019

(Bulletin is for Hill Zone only)

Significant Past Four Days Weather Condition

Weather Forecast for Next Five Days

Days	Rainfall (mm)	Max. Temp. (°C)	Min. Temp. (°C)	Relative Humidity (%)
12/04/2019	0.0	17-24	10-15	75-95
13/04/2019	22.9			
14/04/2019	8.8			
15/04/2019	10.3			

Rainfall : Possibilities of moderate rainfall on 17th April and light rainfall on 18th 21st April and rest of the day's no rainfall has been forecasted. In coming five days total rainfall of 19.0 mm is expected.

Cloud Cover : Possibilities of mainly clear sky on 17th April, and mainly cloudy sky on 18th April rest of the day's clear sky is expected.

Max. Temp. : Maximum temperature is expected to be around 18.0 to 19.0°C.

Min. Temp. : Minimum temperature is expected to be around 12.0 to 13.0°C.

Max. RH : Maximum relative humidity is expected to be around 34-64%.

Min. RH : Minimum relative humidity is expected to be around 16-40%.

Wind : Wind mainly will blow from south-easterly on 19th 21st April, and rest of the days wind mainly will blow from easterly direction. In coming five days wind mainly will blow with a speed of 8.8-12.0 km/hr is expected.

Weather Based Agrometeorological Advisories

MAJOR CROPS	STAGE	PEST & DISEASES	ADVISORY
General	-	-	In coming five days moderate rainfall on 17 th April and light rainfall on 18 th 21 st April and rest of the day's no rainfall has been forecasted. So, irrigate the crops as per the requirement .
Large cardamom	Vegetative Stage	-	Mulching should be done to conserve soil moisture and control weeds.
Mandarin Orange	Vegetative stage	-	For establishing new orchard, pit preparation should be started. For existing trees, foliar spraying of Zinc sulphate 0.5% and Borax @ 0.25% should be given at least three times at 10-15 days intervals.
Potato	Harvesting Stage	-	Mature potato should be harvested immediately.
Okra	Land preparation and sowing	-	Land should be prepared well before the sowing operation.
Animal Husbandry (Pig)	-	-	Piglets are highly susceptible to pneumonia in winter months. The symptoms are high fever (104-105°F), anorexia, difficulty in breathing etc. For treatment give antibiotics, paracetamol and vitamin after consultation with veterinary doctors.

(Dr. Koushik Roy)
Nodal Officer



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Uttar Banga Krishi Viswavidyalaya
AGRO METEOROLOGICAL FIELD UNIT
Regional Research Station (Old Alluvial Zone)
Majhian, Patiram, Dakshin Dinajpur
PIN 733 133, West Bengal, India



Bulletin No: 05(DD)/April/2019
Issuing Date: 16.04.2019

Agromet Advisory Bulletin for Dakshin Dinajpur District

Forecast Period 17th April to 21st April, 2019

Past four days weather condition

Rainfall (mm)				Max. Temperature (^o C)	Min. Temperature (^o C)	Relative Humidity (%)
12-04-19	13-04-19	14-04-19	15-04-19	12.04.19-15.04.19	12.04.19-15.04.19	12.04.19-15.04.19
0.0	0.0	9.0	0.0	31-35	20-22	55-90

Weather forecast for next five days

- Possibility of mainly clear sky on 17th, 20th & 21st April and partly cloudy sky on 18th & 19th April.
- There seems to be possibility of light rain on 17th & 18th April and no rain on 19th April to 21st April.
- Easterly, Westerly, South-westerly, North-westerly & South-easterly direction with an average speed of 11.0-18.4 Km/hr. is expected.
- Maximum temperature is expected to be around 33.0-36.0^oC and minimum temperature is expected to be 23.0^oC.
- Maximum and minimum relative humidity is expected to be 45-75% and 15-39% respectively.

Weather based Agro-Advisories

Crop	Stage	Pest/ Disease	Advisory
General	--	--	
Boro Rice	Tillering		Spraying of chelated zinc @ 1g/lit. of water and borax (10.5%) @ 2g/lit. water may be done. But as rain may occur spraying should not be done during rain.
Chili	Fruiting	Fruit rot	To control chili fruit rot spray Carbendazim + Mancozeb @ 2.5g/liter of water.
Maize	Growth	Stem Borer & Cob Worm	If stem borer observed in maize field apply chloranthaniliprole 0.4%GR @ 1.5kg/acre at the time of second earthing up. Management of Cob worm in maize spray Neem oil 1% @ 3ml/lit. of water with sticker @ 0.5ml/lit. at evening times.
Mango	Budding		If the mango size is like a marble may be spray hormone GA (Gibra or Powerjib) with humic acid @ 1ml/liter of water.
Turmeric & Ginger			Preparation of land for planting of Ginger & Turmeric in the main field.
Vegetables	Growth	Sucking pest	Management of sucking pest on vegetables crops spray dadeci @ 1.5g/liter of water with sticker @ 0.5ml/liter.
Cattle	--	--	In the summer season Maize, Bajra and Jowar should be sown for use as green fodder.
Fishery	Pond preparation	--	Pond preparation should be done through cultivation of Dhaincha @ 1-1.5kh/bigha for 30-45 days for seasonal & new pond.

Dr. Jyotirmay Karforma, Nodal Officer, AMFU-Majhian



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AGRO METEOROLOGICAL FIELD UNIT
Regional Research Station (Old Alluvial Zone)
Majhian, Patiram, Dakshin Dinajpur
PIN 733 133, West Bengal, India



Bulletin No: 05(MLD)/April/2019
Issuing Date: 16.04.2019

Agromet Advisory Bulletin for Malda District
Forecast Period 17th April to 21st April, 2019

Past four days weather condition

Rainfall (mm)				Max. Temperature (°C)	Min. Temperature (°C)	Relative Humidity (%)
12-04-19	13-04-19	14-04-19	15-04-19	12.04.19-15.04.19	12.04.19-15.04.19	12.04.19-15.04.19
11.7	0.0	19.0	0.0	32-34	21-26	70-85

Weather forecast for next five days

- Possibility of mainly clear sky on 17th, 20th & 21st April and partly cloudy sky on 18th & 19th April.
- There seems to be possibility of light rain on 17th & 18th April and no rain on 19th April to 21st April.
- North-easterly, South-westerly, Westerly, Southerly & North-westerly direction with an average speed of 12.9-18.5 Km/hr. is expected.
- Maximum temperature is expected to be around 33.0-35.0°C and minimum temperature is expected to be 22.0-24.0°C.
- Maximum and minimum relative humidity is expected to be 48-69% and 14-31% respectively.

Weather based Agro-Advisories

Crop	Stage	Pest/ Disease	Advisory
General	--	--	
Boro Rice	Tillering		Spraying of chelated zinc @ 1g/lit. of water and borax (10.5%) @ 2g/lit. water may be done. But as rain may occur spraying should not be done during rain.
Chili	Fruiting	Fruit rot	To control chili fruit rot spray Carbendazim + Mancozeb @ 2.5g/liter of water.
Maize	Growth	Stem Borer & Cob Worm	If stem borer observed apply chlorantaniliprole 0.4%GR @ 1.5kg/acre at the time of second earthing up. Management of Cob worm in maize spray Neem oil 1% @ 3ml/lit. of water with sticker @ 0.5ml/lit. at evening times.
Mango	Budding		If the mango size is like a marbel may be spray hormone GA (Gibra or Powerjib) with humic acid @ 1ml/liter of water.
Turmeric & Ginger			Preparation of land for planting of Ginger & Turmeric in the main field.
Vegetables	Growth	Sucking pest	Management of sucking pest on vegetables crops spray dadeci @ 1.5g/liter of water with sticker @ 0.5ml/liter.
Cattle	--	--	In the summer season Maize, Bajra and Jowar should be sown for use as green fodder.
Fishery	Pond preparation	--	Pond preparation should be done through cultivation of Dhaincha @ 1-1.5kh/bigha for 30-45 days for seasonal & new pond.

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